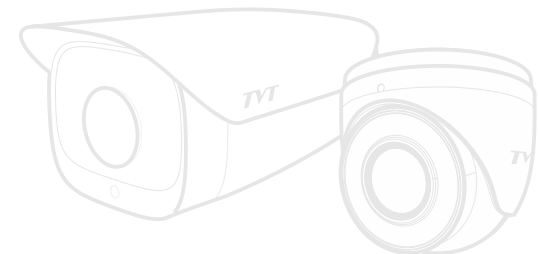
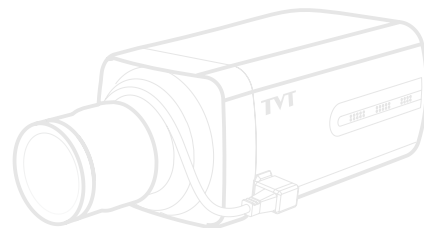
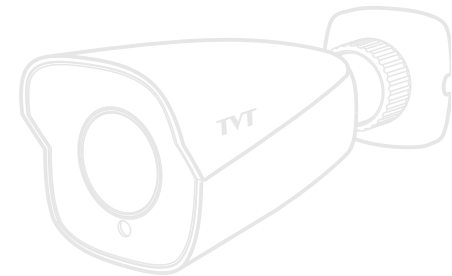


TVT

PRODUCT SELECTION





Company Profile

Shenzhen TVT Digital Technology Co., Ltd is a fast-growing CCTV equipment manufacturer, established in 2004. In the past years, we accumulated rich knowledge of know-how in video compression, hardware design and software development. The company was officially listed on Small and Medium Enterprise Board (SME Board) in China Shenzhen Stock Exchange on Dec 28, 2016 (002835.SZ).

TVT has been growing up as a total solution developer and manufacturer, offering unique products including full range DVR and HD Analog camera, IP camera and hybrid DVR/NVR and software solutions such as CMS, cell phone applications, and browser applications.

To keep the advantage in innovation and quality, TVT keeps reinvesting more than 12% of its sales turnover into R&D each year. We have 300 talented engineers, more than 60% of which with more than 3 years in TVT. We keep hearing the voice from our customers, and make customer's requirement true step by step by professional demand management and R&D planning management. So we are able to deliver customer the world's latest technology several months earlier than most of competitors with reasonable price and reliable quality.

TVT is committed to enhance the security and safety of people's life and assets. Till now, customers in more than 120 countries have been benefited by distributing, installing or using TVT's reliable CCTV products.



R&D Center

It's located in Shenzhen Bay Eco-technology Park and put into use in October, 2017.

Industrial Park

TVT has industrial park of its own property with 65,000 m² building area. It is located in Dongjiang High-Tech Industrial Park, Zhongkai High-Tech District, Huizhou, China. It is a comprehensive park integrating research and development, producing and service.



350+ R & D Engineers
 78+ Patents
 120+ Countries have been Benefited



Manufacturing Center

TVT Shi'yan Manufacturing Center
 17,000+ m² Manufacturing Space
 6 Specialized SMT Producing Line

It is located in Huilongda Industrial Park, Bao'an District, Shenzhen, China.

Product Portfolio



CAMERA

IP Camera



HD Analog Camera

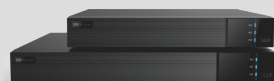


Speed Dome/Module

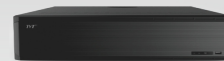


DVR&NVR

DVR



NVR



Solution

NVMS



Client



Server



Platform NVR



Platform server



▶ IPC Core Technology

- **Image Adjustment**

Color Reproduction/Noisy Control/Details Enhancement
Professional Laboratory, Independent Team

- **3A Algorithm**

TVT Patent (Auto Focus/Auto WB/Auto Exposure) Focus Speed
Leading the Industry

- **H.264/265 Compression**

Low Bitrate/Fluent Video/Virtual I Frame 1080P 30fps with bitrate
at 600kbps based on H.265

- **Starlight**

Starlight Software Algorithm WB/Noisy/Ghost, Auto Day/Night
Switch under low light

- **Cyber Security**

File Encryption, Firmware Upgrading Encryption HTTPS, 802.1X, IP
Filter, APR, API Transmission Encryption No Super account,
Backdoor on the Web Digest Authorization, RTSP/ONVIF
Authentication

- **System Design**

Mechanism/Optical/Electronic/Image/Lighting/Heating Design

- **High Precision Assembling and Production**

Special High Precision Facility Design Team
Auto Focus Adjustment/Auto Inspection/Auto Fix

- **Analytics/AI**

Line Crossing/Intrusion/Object Removal/Scene Change People
Counting/LPR
Facial Recognition/Scene Recognition

- **Cloud**

Cloud Connection
Cloud Upgrading

- **Mobile APP**

Multiple Devices Management with Video/Audio
Push Notification, 3D PTZ, Fisheye De-warping

CONTENTS



01	02	03
 CAMERA 09-36	 RECORD 42-58	 PLATFORM 60-68
1.Network camera 2.SPEED DOME 3.ANALOG CAMERA 4.ACCESSORIES	1.N9000 2.NVR 3.DVR	1.NVMS DEVICE 2.NVMS SOFTWARE 3.MOBILE APP



CAMERA



H.265+

Integrate scene recognition, smart noise reduction algorithm, macroblock-based bitrate control and so on. In most monitoring scene, it can reduce 40% bitrate compared with standard H.264/H.265, for example 600Kbs for 1080P real-time. It is compatible with our NVRs and 3rd-Party platform.



Ultra Starlight

1/2 inch target surface combined with large aperture starlight lens, the sensitivity is 5 times that of normal cameras, the picture is clear, true color and sharp even under extreme light condition.



Fisheye

6MP professional fisheye with different view styles, support NVR and NVMS.



Motorized

We have motorized camera for 2MP and 5MP with different typical housing.



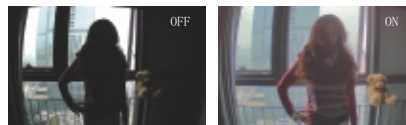
30X

30X, 20X and 16X optical zoom optional.



True WDR

3 frame ultra wide dynamic range technology, it can automatically adjust exposure rate and dynamic range can be up to 140dB.



TVS 6000V

TVS 6000V Lightning, Surge 2000V Protection.



Cable Switch

M line default with camera signal switch at cable side, S line with option.



VCA

IPC line S2, E2 and M2 support abnormal detection, cross line, area invasion, item care, people counting, people detection and crowd density. More options are being developed.



P2P

Remote view through web client and APP can be easily realized by scanning QR code.



-40°C~60°C

Most outdoor IPCs run well under -40°C~60°C, can be applicable to various scene. TVT PTZ camera with internal heater can work under extreme low temperature.



COC

Via DVR, it can set the camera menu, Also can control PTZ and motorized camera.



Ip67

TVT outdoor cameras meet IP66 standard and the new housing models meet IP67 standard.



NIR

850nm IR sensitivity has been improved from 19.4% to 38.4%;940nm IR sensitivity has improved 9.1% to 20%, can be clearer picture and longer distance under same IR condition.



Face Detection

Middle and high range IPC, can support face detection and recognition.



4 in 1

Support AHD, TVI, CVI and 960H video output.



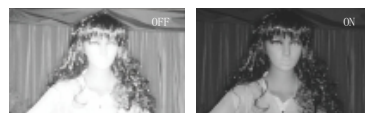
IK10

TVT vandal-proof dome with fixed, VF and motorized lens can meet IK10 standard. Pancake style is also optional.



Smart IR

Support smart IR. It can automatically adjust IR lighting intensity so as to avoid overexposure of object, especially human face.



Video Encoder

Support switching analogue camera (include TVI and AHD) to IPC from D1 to 4MP. Support SD card, alarm in/out, VCA. It's good for old system maintenance as well as system expansion. For instance, old D1 PTZ and some special housing camera which is not easy to get from IP range.



ONVIF

Support latest ONVIF 16.12, Profile S(live stream); Profile G (playback). Soon it can also support Profile Q(Access control), Profile T(H.265).



MIC

TVT pancake and plastic dome embedded with professional MIC are much easier for cable installation.







1.3~8MP

Full range IPC from 1.3MP to 8MP. 12MP is being developed. not easy to get from IP range.

2MP H.264/H.265+ IP Camera S Series




Series	2MP H.264 IP Camera		2MP H.265+ IP Camera				
Model	TD-9421S1	TD-9524S1	TD-9421S2	TD-9421S2A	TD-9422S2	TD-9524S2	TD-9524S2A
Photo							
Image Sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Min.Illumination	Color: 0.032lux@F1.2,AGC ON B/W:0 lux with IR	Color: 0.032lux@F1.2,AGC ON B/W:0 lux with IR	Color: 0.01lux@F1.2,AGC ON B/W:0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W:0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W:0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W:0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W:0lux with IR
Lens	Fixed 2.8mm,3.6mm Optional	Fixed 2.8mm,3.6mm Optional	Fixed 2.8mm,3.6mm Optional	Fixed 2.8mm,3.6mm Optional	Manual Varifocal 2.8-12mm Fixed 2.8mm,3.6mm,6mm Optional	Fixed 2.8mm,3.6mm Optional	Fixed 2.8mm,3.6mm Optional
Iris	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Day/Night	√	√	√	√	√	√	√
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Video Compression	H.264/MJPEG	H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution	1920×1080	1920×1080	1920×1080	1920×1080	1920×1080	1920×1080	1920×1080
Frame Rate:	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)
Audio Compression	-	-	-	-	-	-	-
ROI	√	√	√	√	√	√	√
Network	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive
CVBS Output	-	-	-	-	-	-	-
Audio	-	-	-	-	-	-	-
Storage Card	-	-	-	-	-	-	-
RS485	-	-	-	-	-	-	-
Alarm	-	-	-	-	-	-	-
Interface Protocol	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
Motion Detection	√	√	√	√	√	√	√
Aisle Mode	-	-	-	-	-	-	-
PoE	√	√	√	√	√	√	√
IR Distance	10-20m	10-20m	10-20m	20-30m	20-30m	10-20m	20-30m
Water-proof Standrad	IP66	IP66	IP66	IP67	IP66	IP66	IP67
Power Supply	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE
Power Consumption	<2W	<2W	<2W	<2W	<3W	<2W	<2W
IR Consumption ON	<4W	<4W	<4W	<4.5W	<6W	<4W	<4.5W
Operating Environment	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity
Dimensions(mm)	Ø70.2×157	φ108×91	Ø70.2×157	Ø74.5×167.5	Ø87×219	φ108×91	φ94.6×82.8

2MP H.265+ Starlight IP Camera S Series

Series	2MP H.265+ IP Camera						
Model	TD-9525S2	TD-9322S2H	TD-9421S2H	TD-9422S2H	TD-9521S2H	TD-9524S2H	TD-9525S2H
Photo							
Image Sensor	1/2.7" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Min.Illumination	Color: 0.01lux@F1.2,AGC ON B/W:0lux with IR	Color: 0.002lux@F1.2,AGC ON B/W:0.0002lux , F1.2,AGC ON,No IR	Color: 0.002lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.002lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.002lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.002lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.002lux@F1.2,AGC ON B/W: 0lux with IR
Lens	Manual Varifocal 2.8-12mm Fixed	C/CS	Fixed 2.8mm,3.6mm,6mm Optional	Manual Varifocal 2.8-12mm Motorized Varifocal 2.8-12mm Fixed 2.8mm,3.6mm,6mm Optional	Fixed 2.8mm,3.6mm Optional	Fixed 2.8mm,3.6mm Optional	Manual Varifocal 2.8-12mm Motorized Varifocal 2.8-12mm
Iris	√	DC-IRIS	Fixed	Fixed	Fixed	Fixed	Fixed
Day/Night	Digital WDR	√	√	√	√	√	√
Wide Dynamic Range	H.265+/H.265/H.264+/H.264/MJPEG	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Video Compression	1920×1080	H.265/H.264+/H.264/MJPEG	H.265/H.264+/H.264/MJPEG	H.265/H.264+/H.264/MJPEG	H.265/H.264+/H.264/MJPEG	H.265/H.264+/H.264/MJPEG	H.265/H.264+/H.264/MJPEG
Max. Image Resolution	1920×1080	1920×1080	1920×1080	1920×1080	1920×1080	1920×1080	1920×1080
Frame Rate:	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)	50Hz: 25fps(1080P,720P,D1,CIF) 60Hz: 30fps(1080P,720P,D1,CIF)
Audio Compression	-	G711A/U	-	-	-	-	-
ROI		√	√	√	√	√	√
Network	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive
CVBS Output	-	-	-	-	-	-	-
Audio	-	-	-	-	-	-	-
Storage Card	-	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB
RS485	-	-	-	-	-	-	-
Alarm	-	-	-	-	-	-	-
Interface Protocol	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
Motion Detection	√	√	√	√	√	√	√
Aisle Mode	-	-	-	-	-	-	-
PoE	√	√	√	√	√	√	√
IR Distance	20-30m	-	20-30m	30-50m	20-30m	20-30m	30-50m
Water-proof Standrad	IP66	-	IP67	IP67	IP67	IP67	IP67
Power Supply	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE
Power Consumption	<3W	<2W	<3W	<3W	<3W	<3W	<3W
IR Consumption ON	<6W	<4W	<6W	<7W	<6W	<6W	<7W
Operating Environment	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity
Disimensions(mm)	Ø130×115	68.4×70×148.7 (W×D×H)	Ø74.5 × 167.5	Ø80.5 × 217.7	Ø119 × 87.8	Ø94.6 × 82.8	Ø111.5 × 99.6






5MP H.265+ IP Camera S Series



Series	5MP H.265+ IP Camera					
Model	TD-9451S2	TD-9451S2A	TD-9452S2	TD-9551S2	TD-9554S2	TD-9554S2A
Photo						
Image Sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Min.Illumination	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR
Lens	Fixed 2.8mm,3.6mm Optional	Fixed 2.8mm,3.6mm Optional	Manual Varifocal 3.3-12mm Motorized Varifocal 3.3-12mm Fixed 2.8mm,3.6mm,6mm Optional	Fixed 2.8mm,3.6mm Optional	Fixed 2.8mm,3.6mm Optional	Fixed 2.8mm,3.6mm Optional
Iris	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Day/Night	√	√	√	√	√	√
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution	2592×1944	2592×1944	2592×1944	2592×1944	2592×1944	2592×1944
Frame Rate:	50Hz: 20fps@5MP,25fps@(4MP,1080P,720P,D1,CIF) 60Hz: 20fps@5MP,30fps@(4MP,1080P,720P,D1,CIF)	50Hz: 20fps@5MP,25fps@(4MP,1080P,720P,D1,CIF) 60Hz: 20fps@5MP,30fps@(4MP,1080P,720P,D1,CIF)	50Hz: 20fps@5MP,25fps@(4MP,1080P,720P,D1,CIF) 60Hz: 20fps@5MP,30fps@(4MP,1080P,720P,D1,CIF)	50Hz: 20fps@5MP,25fps@(4MP,1080P,720P,D1,CIF) 60Hz: 20fps@5MP,30fps@(4MP,1080P,720P,D1,CIF)	50Hz: 20fps@5MP,25fps@(4MP,1080P,720P,D1,CIF) 60Hz: 20fps@5MP,30fps@(4MP,1080P,720P,D1,CIF)	50Hz: 20fps@5MP,25fps@(4MP,1080P,720P,D1,CIF) 60Hz: 20fps@5MP,30fps@(4MP,1080P,720P,D1,CIF)
Audio Compression	-	-	-	-	-	-
ROI	√	√	√	√	√	√
Network	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive
CVBS Output	-	-	-	-	-	-
Audio	-	-	-	-	-	-
Storage Card	-	-	-	-	-	-
RS485	-	-	-	-	-	-
Alarm	-	-	-	-	-	-
Interface Protocol	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
Motion Detection	√	√	√	√	√	√
Aisle Mode	√	√	√	√	√	√
Smart Analysis	√	√	√	√	√	√
PoE	√	√	√	√	√	√
IR Distance	10-20m	20-30m	20-30m	10-20m	10-20m	20-30m
Water-proof Standrad	IP66	IP67	IP66	IP66	IP66	IP67
Power Supply	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE
Power Consumption	<3W	<3W	<3W	<3W	<3W	<3W
IR Consumption ON	<5W	<6W	<6W	<5W	<5W	<5W
Operating Environment	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity
Dimensions(mm)	Ø70.2×157	Ø74.5×167.5	Ø87×219	Ø116×91	Ø108×91	Ø94.6×82.8




5MP H.265+ IP Camera S Series

IPC

Series	5MP H.265+ IP Camera				
Model	TD-9555S2	TD-9451S3	TD-9452S3	TD-9554S3	TD-9555S3
Photo					
Image Sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Min.Illumination	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR
Lens	Motorized Varifocal 3.3-12mm	Fixed 2.8mm,3.6mm Optional	Manual Varifocal 3.3-12mm Motorized Varifocal 3.3-12mm Fixed 2.8mm,3.6mm,6mm Optional	Fixed 2.8mm,3.6mm Optional	Manual Varifocal 3.3-12mm Motorized Varifocal 3.3-12mm
Iris	Fixed	Fixed	Fixed	Fixed	Fixed
Day/Night	√	√	√	√	√
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution	2592×1944	2592×1944	2592×1944	2592×1944	2592×1944
Frame Rate:	50Hz: 20fps@5MP,25fps@(4MP,1080P,720P,D1,CIF) 60Hz: 20fps@5MP,30fps@(4MP,1080P,720P,D1,CIF)	50Hz: 20fps@5MP,25fps@(4MP,1080P,720P,D1,CIF) 60Hz: 20fps@5MP,30fps@(4MP,1080P,720P,D1,CIF)	50Hz: 20fps@5MP,25fps@(4MP,1080P,720P,D1,CIF) 60Hz: 20fps@5MP,30fps@(4MP,1080P,720P,D1,CIF)	50Hz: 20fps@5MP,25fps@(4MP,1080P,720P,D1,CIF) 60Hz: 20fps@5MP,30fps@(4MP,1080P,720P,D1,CIF)	50Hz: 20fps@5MP,25fps@(4MP,1080P,720P,D1,CIF) 60Hz: 20fps@5MP,30fps@(4MP,1080P,720P,D1,CIF)
Audio Compression	-	-	-	-	-
ROI	√	√	√	√	√
Network	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive
CVBS Output	-	-	-	-	-
Audio	-	-	-	-	-
Storage Card	-	-	-	-	-
RS485	-	-	-	-	-
Alarm	-	-	-	-	-
Interface Protocol	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
Motion Detection	√	√	√	√	√
Aisle Mode	√	√	√	√	√
Smart Analysis	√	√	√	√	√
PoE	√	√	√	√	√
IR Distance	20-30m	20-30m	30-50m	20-30m	30-50m
Water-proof Standrad	IP66	IP67	IP67	IP67	IP67
Power Supply	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE
Power Consumption	<3W	<3W	<3W	<3W	<3W
IR Consumption ON	<6W	<6W	<6W	<5W	<5W
Operating Environment	-30℃~+60℃,-95% humidity	-30℃~+60℃,-95% humidity	-30℃~+60℃,-95% humidity	-30℃~+60℃,-95% humidity	-30℃~+60℃,-95% humidity
Dimensions(mm)	Ø130×115	Ø74.5×167.5	Ø80.5×217.7	Ø94.6×82.8	Ø111.5×99.6

8MP H.265+ IP Camera S Series







Series	8MP H.265+ IP Camera				
Model	TD-9481S2	TD-9482S2	TD-9581S2	TD-9584S2	TD-9585S2
Photo					
Image Sensor	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS
Min.Illumination	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR	Color: 0.01lux@F1.2,AGC ON B/W: 0lux with IR
Lens	Fixed 2.8mm,3.6mm Optional	Motorized Varifocal 3.3-12mm Fixed 2.8mm,3.6mm Optional	Fixed 2.8mm,3.6mm Optional	Fixed 2.8mm,3.6mm Optional	Motorized Varifocal 3.3-12mm
Iris	Fixed	Fixed	Fixed	Fixed	Fixed
Day/Night	√	√	√	√	√
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution	3840×2160	3840×2160	3840×2160	3840×2160	3840×2160
Frame Rate:	50Hz: 20fps@4K,25fps@(2K,1080P,720P,D1,CIF) 60Hz: 20fps@4K,30fps@(2K,1080P,720P,D1,CIF)	50Hz: 20fps@4K,25fps@(2K,1080P,720P,D1,CIF) 60Hz: 20fps@4K,30fps@(2K,1080P,720P,D1,CIF)	50Hz: 20fps@4K,25fps@(2K,1080P,720P,D1,CIF) 60Hz: 20fps@4K,30fps@(2K,1080P,720P,D1,CIF)	50Hz: 20fps@4K,25fps@(2K,1080P,720P,D1,CIF) 60Hz: 20fps@4K,30fps@(2K,1080P,720P,D1,CIF)	50Hz: 20fps@4K,25fps@(2K,1080P,720P,D1,CIF) 60Hz: 20fps@4K,30fps@(2K,1080P,720P,D1,CIF)
Audio Compression	-	-	-	-	-
ROI	√	√	√	√	√
Network	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive
CVBS Output	-	-	-	-	-
Audio	-	-	-	-	-
Storage Card	-	-	-	-	-
RS485	-	-	-	-	-
Alarm	-	-	-	-	-
Interface Protocol	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
Motion Detection	√	√	√	√	√
Aisle Mode	√	√	√	√	√
Smart Analysis	√	√	√	√	√
PoE	√	√	√	√	√
IR Distance	10-20m	20-30m	10-20m	10-20m	20-30m
Water-proof Standard	IP66	IP66	IP66	IP67	IP67
Power Supply	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE
Power Consumption	<3W	<3W	<3W	<3W	<3W
IR Consumption ON	<7W	<8W	<7W	<7W	<8W
Operating Environment	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity
Dimensions(mm)	Ø70.2×157	Ø87×219	Ø116×91	Φ94.6 × 82.8	Φ111.5 × 99.6

2MP H.265+ IP Camera E Series

Series	2MP H.265+ IP Camera				
Model	TD-9421E2A	TD-9422E2A	TD-9423E2A	TD-9521E2A	TD-9523E2A
Photo					
Image Sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Min.Illumination	Colour : 0.009lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.009lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.009lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.009lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.009lux@F1.2,AGC ON B/W : 0 Lux with IR
Lens	Fixed 2.8mm,3.6mm Optional	Manual Varifocal 2.8-12mm Fixed 2.8mm,3.6mm (Optional)	Manual Varifocal 2.8-12mm Motorized Varifocal 2.8-12mm Optional	Fixed 2.8mm,3.6mm Optional	Manual Varifocal 2.8-12mm Motorized Varifocal 2.8-12mm Optional
Iris	Fixed	Fixed	Motorized Varifocal with DC-IRIS Manual Varifocal with Fixed IRIS	Fixed	Motorized Varifocal with DC-IRIS Manual Varifocal with Fixed IRIS
Day/Night	√	√	√	√	√
Wide Dynamic Range	True WDR	True WDR	True WDR	True WDR	True WDR
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution	1920×1080	1920×1080	1920×1080	1920×1080	1920×1080
Frame Rate:	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)
Audio Compression	G711A/U	G711A/U	G711A/U	G711A/U	G711A/U
ROI	√	√	√	√	√
Network	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive
CVBS Output	√	√	√	√	√
Audio	1-ch audio in(Line in)	1-ch audio in(Line in)	1-ch audio in(Line in),1-ch audio out	1-ch audio in(Line in),1-ch build-in MIC in	1-ch audio in(Line in),1-ch build-in MIC in,1-ch audio out
Storage Card	-	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB
RS485	-	-	√	-	√
Alarm	-	-	1 input ,1 output	-	1 input ,1 output
Interface Protocol	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
Motion Detection	√	√	√	√	√
Aisle Mode	√	√	√	√	√
Smart Analysis	√	√	√	√	√
PoE	√	√	√	√	√
IR Distance	20-30m	30-50m	50-70m	20-30m	30-50m
Water-proof Standrad	IP67	IP67	IP67	IP67	IP67
Power Supply	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE
Power Consumption	<3W	<3W	<3W	<3W	<3W
IR Consumption ON	<5W	<6W	<15W	<5W	<12W
Operating Environment	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity
Dismsions(mm)	74.5×74.5×167.5	80.5×80.5×217.7	100.3×88.9×279.5	φ119×87.8	φ141×100.2

2MP H.265+ IP Camera E Series






Series	2MP H.265+ IP Camera			
Model	TD-9524E2A	TD-9525E2A	TD-9527E2	TD-9522E2
Photo				
Image Sensor	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Min.Illumination	Colour : 0.009lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.009lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.009lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.009lux@F1.2,AGC ON B/W : 0 Lux with IR
Lens	Fixed 2.8mm,3.6mm,6mm Optional	Motorized Varfocal 2.8-12mm	Fixed 2.8mm,3.6mm Optional	Manual Varifocal 2.8-12mm Fixed 2.8mm,3.6mm Optional
Iris	Fixed	Fixed	Fixed	Fixed
Day/Night	√	√	√	√
Wide Dynamic Range	True WDR	True WDR	True WDR	True WDR
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution	1920×1080	1920×1080	1920×1080	1920×1080
Frame Rate:	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)
Audio Compression	G711A/U	G711A/U	G711A/U	G711A/U
ROI	√	√	√	√
Network	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive
CVBS Output	√	√	√	√
Audio	1-ch audio in(Line in) 1-ch build-in MIC in	1-ch audio in(Line in) 1-ch build-in MIC in	1-ch audio in(Line in) 1-ch build-in MIC in	1-ch audio in(Line in) 1-ch build-in MIC in 1-ch audio out
Storage Card	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB
RS485	-	-	-	√
Alarm	-	-	-	1 input 1 output
Interface Protocol	ONVIF	ONVIF	ONVIF	ONVIF
Motion Detection	√	√	√	√
Aisle Mode	√	√	√	√
Smart Analysis	√	√	√	√
PoE	√	√	√	√
IR Distance	20-30m	30-50m	10m	20-30m
Water-proof Standrad	IP67	IP67	IP66	-
Power Supply	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE
Power Consumption	<3W	<3W	<3W	<3W
IR Consumption ON	<5W	<9W	<5W	<5W
Operating Environment	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-10°C~+40°C,<95% humidity
Dismensions(mm)	φ94.6×82.8	φ111.5×99.6	φ110×58	φ122×110

5MP H.265+ IP Camera E Series

Series	5MP H.265+ IP Camera				
Model	TD-9352E2	TD-9451E2A	TD-9452E2A	TD-9453E2A	TD-9551E2A
Photo					
Image Sensor	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS
Min.Illumination	Colour : 0.013lux@F1.2, AGC ON B/W : 0.003 Lux, F1.2, AGC ON, No IR	Colour : 0.013lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.013lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.013lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.013lux@F1.2,AGC ON B/W : 0 Lux with IR
Lens	C/CS	Fixed 2.8mm,3.6mm Optional	Manual Varifocal 2.8-12mm Motorized Varifocal 2.8-12mm Fixed 2.8mm Optional	Motorized Varifocal 2.8-12mm	Fixed 2.8mm,3.6mm Optional
Iris	DC-IRIS	Fixed	Fixed IRIS	DC-IRIS	Fixed
Day/Night	√	√	√	√	√
Wide Dynamic Range	True WDR	True WDR	True WDR	True WDR	True WDR
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution	2592×1944	2592×1944	2592×1944	2592×1944	2592×1944
Frame Rate:	50Hz: 25fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480×240) 60Hz: 30fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480×240)	50Hz: 25fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480×240) 60Hz: 30fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480×240)	50Hz: 25fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480×240) 60Hz: 30fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480×240)	50Hz: 25fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480×240) 60Hz: 30fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480×240)	50Hz: 25fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480×240) 60Hz: 30fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480×240)
Audio Compression	G711A/U	G711A/U	G711A/U	G711A/U	G711A/U
ROI	√	√	√	√	√
Network	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive
CVBS Output	√	√	√	√	√
Audio	1-ch audio in(Line in) 1-ch audio out	1-ch audio in(Line in)	1-ch audio in(Line in)	1-ch audio in(Line in) 1-ch audio out	1-ch audio in(Line in) 1-ch build-in MIC in
Storage Card	MicroSD up to 128GB	-	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB
RS485	√	-	-	√	-
Alarm	1 input 1 output	-	-	1 input 1 output	-
Interface Protocol	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
Motion Detection	√	√	√	√	√
Aisle Mode	√	√	√	√	√
Smart Analysis	√	√	√	√	√
PoE	√	√	√	√	√
IR Distance	-	20-30m	30-50m	70-100m (50-70m)	20-30m
Water-proof Standrad	-	IP67	IP67	IP67	IP67
Power Supply	AC24V/DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE
Power Consumption	<3W	<3W	<3W	<3W	<3W
IR Consumption ON	-	<5W	<6W	<15W	<5W
Operating Environment	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity
Dismsions(mm)	68.4×70×148.7	74.5×74.5×167.5	80.5×80.5×217.7	100.3×88.9×279.5	φ119×87.8

5MP H.265+ IP Camera E Series





Series	5MP H.265+ IP Camera				
Model	TD-9553E2A	TD-9554E2A	TD-9555E2A	TD-9557E2	TD-9552E2
Photo					
Image Sensor	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS
Min.Illumination	Colour : 0.013lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.013lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.013lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.013lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.013lux@F1.2,AGC ON B/W : 0 Lux with IR
Lens	Manual Varifocal 2.8-12mm Motorized Varfocal 2.8-12mm Optional	Fixed 2.8mm,3.6mm,6mm Optional	Motorized Varfocal 2.8-12mm	Fixed 2.8mm	Manual Varifocal 2.8-12mm Fixed 3.6mm Optional
Iris	Motorized Varifocal with DC-IRIS Manual Varifocal with Fixed IRIS	Fixed	Fixed	Fixed	Fixed
Day/Night	√	√	√	√	√
Wide Dynamic Range	True WDR	True WDR	True WDR	True WDR	True WDR
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution	2592×1944	2592×1944	2592×1944	2592×1944	2592×1944
Frame Rate:	50Hz: 25fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480 ×240) 60Hz: 30fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480 ×240)	50Hz: 25fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480 ×240) 60Hz: 30fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480 ×240)	50Hz: 25fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480 ×240) 60Hz: 30fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480 ×240)	50Hz: 25fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480 ×240) 60Hz: 30fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480 ×240)	50Hz: 25fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480 ×240) 60Hz: 30fps(5MP,4MP,2K,3MP,1080P,720P,D1,CIF,480 ×240)
Audio Compression	G711A/U	G711A/U	G711A/U	G711A/U	G711A/U
ROI	√	√	√	√	√
Network	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive
CVBS Output	√	√	√	√	√
Audio	1-ch audio in(Line in) 1-ch build-in MIC in 1-ch audio out	1-ch audio in(Line in) 1-ch build-in MIC in	1-ch audio in(Line in) 1-ch build-in MIC in	1-ch audio in(Line in) 1-ch build-in MIC in	1-ch audio in(Line in) 1-ch build-in MIC in 1-ch audio out
Storage Card	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB
RS485	√	-	-	-	√
Alarm	1 input 1 output	-	-	-	-
Interface Protocol	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
Motion Detection	√	√	√	√	√
Aisle Mode	√	√	√	√	√
Smart Analysis	√	√	√	√	√
PoE	√	√	√	√	√
IR Distance	30-50m	20-30m	30-50m	10m	20-30m
Water-proof Standrad	IP67	IP67	IP67	IP66	-
Power Supply	DC12V/PoE/AC24V	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE
Power Consumption	<3W	<3W	<3W	<3W	<3W
IR Consumption ON	<12W	<5W	<9W	<5W	<5W
Operating Environment	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-10°C~+40°C,<95% humidity
Dismensions(mm)	φ141×100.2	φ94.6×82.8	φ111.5×99.6	φ110×58	φ122×110

8MP H.265+ IP Camera E Series

Series	8MP H.265+ IP Camera						
Model	TD-9382E2	TD-9482E2	TD-9483E2	TD-9581E2	TD-9583E2	TD-9584E2	TD-9585E2
Photo							
Image Sensor	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS
Min.Illumination	Colour : 0.024lux@F1.2,AGC ON B/W : 0.001 Lux, F1.2, AGC ON, No IR	Colour : 0.024lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.024lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.024lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.024lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.024lux@F1.2,AGC ON B/W : 0 Lux with IR	Colour : 0.024lux@F1.2,AGC ON B/W : 0 Lux with IR
Lens	C/CS	Fixed 2.8mm,3.6mm Optional	Motorized Varifocal 3.3-12mm	Fixed 2.8mm,3.6mm Optional	Motorized Varifocal 3.3-12mm	Fixed 2.8mm,3.6mm Optional	Motorized Varifocal 3.3-12mm
Iris	DC-IRIS	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Day/Night	√	√	√	√	√	√	√
Wide Dynamic Range	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR	True WDR
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution	3840×2160	3840×2160	3840×2160	3840×2160	3840×2160	3840×2160	3840×2160
Frame Rate:	50Hz: 25fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240) 60Hz: 30fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240)	50Hz: 25fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240) 60Hz: 30fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240)	50Hz: 25fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240) 60Hz: 30fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240)	50Hz: 25fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240) 60Hz: 30fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240)	50Hz: 25fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240) 60Hz: 30fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240)	50Hz: 25fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240) 60Hz: 30fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240)	50Hz: 25fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240) 60Hz: 30fps(8MP,2K,3MP,1080P,720P,D1,CIF, 480×240)
Audio Compression	G711A/U	G711A/U	G711A/U	G711A/U	G711A/U	G711A/U	G711A/U
ROI	√	√	√	√	√	√	√
Network	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive
CVBS Output	√	√	√	√	√	√	√
Audio	1-ch audio in(Line in) 1-ch audio out	1-ch audio in(Line in)	1-ch audio in(Line in) 1-ch audio out	1-ch audio in(Line in) 1-ch build-in MIC in	1-ch audio in(Line in) 1-ch build-in MIC in 1-ch audio out	1-ch audio in(Line in) 1-ch build-in MIC in	1-ch audio in(Line in) 1-ch build-in MIC in
Storage Card	MicroSD up to 128GB	-	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB
RS485	√	-	√	-	√	-	-
Alarm	1 input 1 output	-	1 input 1 output	-	1 input 1 output	-	-
Interface Protocol	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
Motion Detection	√	√	√	√	√	√	√
Aisle Mode	√	√	√	√	√	√	√
Smart Analysis	√	√	√	√	√	√	√
PoE	√	√	√	√	√	√	√
IR Distance	-	20-30m	30-50m	10-20m	20-30m	20-30m	30-50m
Water-proof Standrad	-	IP66	IP66	IP66	IP66	IP67	IP67
Power Supply	DC12V/PoE/AC24V	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE
Power Consumption	<3.5W	<3.5W	<3.5W	<3.5W	<3.5W	<3.5W	<3.5W
IR Consumption ON	-	<8W	<8W	<8W	<6W	<6W	<8W
Operating Environment	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity
Dismsions(mm)	68.4×70×148.7	φ87×219	φ109×284	φ116×91	φ150×110	φ94.6×82.8	φ111.5×99.6

2MP Face Detection IP Camera



Series	2MP Face Detection IP Camera					
Model	TD-9422A1	TD-9423A1	TD-9521A1	TD-9522A1	TD-9523A1	TD-9525A1
Photo						
Image Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Min.Illumination	Colour : 0 Lux with IR	Colour : 0 Lux with IR	Colour : 0.0028lux@F1.2,AGC ON	Colour : 0.0028lux@F1.2,AGC ON	Colour : 0.0028lux@F1.2,AGC ON	Colour : 0 Lux with IR
Lens	Fixed 8mm,12mm (Optional)	Motorized Varfocal 7-22mm	Fixed 6mm,8mm,12mm Optional	Fixed 6mm,8mm,12mm Optional	Motorized Varfocal 7-22mm	Motorized Varfocal 2.8-12mm
Iris	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Day/Night	√	√	√	√	√	√
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution	1920×1080	1920×1080	1920×1080	1920×1080	1920×1080	1920×1080
Frame Rate:	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)	50Hz: 25fps(1080P,720P,D1,CIF,480×240) 60Hz: 30fps(1080P,720P,D1,CIF,480×240)
Audio Compression	G711A/U	G711A/U	G711A/U	G711A/U	G711A/U	G711A/U
ROI	√	√	√	√	√	√
Network	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive	RJ45×1,10M/100M self-adaptive
CVBS Output	√	√	√	√	√	√
Audio	1-ch audio in(Line in)	1-ch audio in(Line in),1-ch audio out	1-ch audio in(Line in),1-ch build-in MIC in	1-ch audio in(Line in),1-ch build-in MIC in	1-ch audio in(Line in), 1-ch build-in MIC in, 1-ch audio out	1-ch audio in(Line in),1-ch build-in MIC in
Storage Card	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB
RS485	-	√	-	-	√	√
Alarm	-	1 input,1 output	-	-	1 input ,1 output	1 input ,1 output
Interface Protocol	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF	ONVIF
Motion Detection	√	√	√	√	√	√
Aisle Mode	√	√	√	√	√	√
Smart Analysis	√	√	√	√	√	√
PoE	√	√	√	√	√	√
IR Distance	20-30m	30-50m	-	-	-	20-30m
Water-proof Standrad	IP67	IP67	IP67	-	IP67	IP67
Power Supply	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE	DC12V/PoE
Power Consumption	<3W	<3W	<3W	<3W	<3W	<3W
IR Consumption ON	<6W	<15W	<5W	<5W	<12W	<12W
Operating Environment	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity	-10°C~+40°C,<95% humidity	-30°C~+60°C,<95% humidity	-30°C~+60°C,<95% humidity
Dismsions(mm)	80.5×80.5×217.7	100.3×88.9×279.5	φ119×87.8	φ122×110	φ141×100.2	φ111.5×99.6

Special Camera&Server



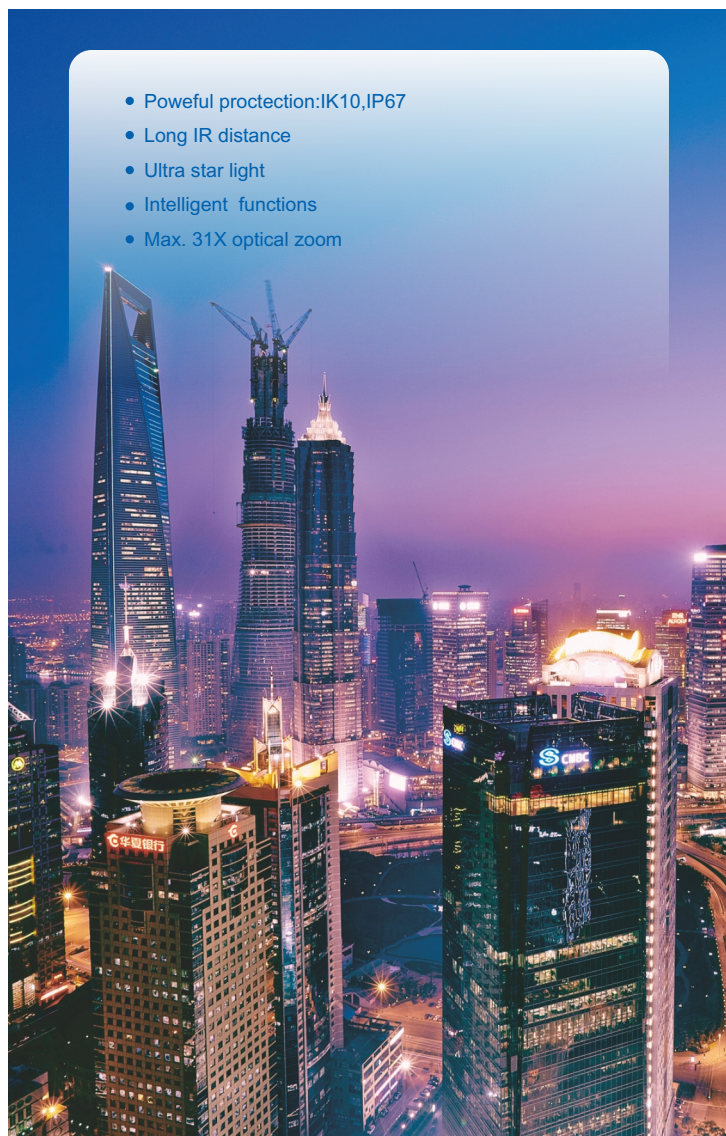
Series	6MP H.265+ fisheye Camera
Model	TD-9568E2
Photo	
Image Sensor	1/2.9" CMOS
Min. Illumination	Colour : 0.05lux@F1.2, AGC ON ; B/W : 0 Lux with IR
Lens	Fixed 1.07mm
Iris	Fixed
Day/Night	√
Wide Dynamic Range	Digital WDR
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution	2160×2160
Frame Rate	<p>① Fisheye+panorama+3 PTZ 50Hz: 25fps@(2160 × 2160/1920×1920/1440×1440), 25fps@(1920 × 1080), 25fps@(960× 540)*3 60Hz: 30fps@(2160 × 2160/1920×1920/1440×1440), 30fps@(1920 × 1080), 30fps@(960× 540)*3</p> <p>② Fisheye+ 4 PTZ 50Hz: 25fps@(2160 × 2160/1920×1920/1440×1440), 25fps@(960× 540)*4 60Hz: 30fps@(2160 × 2160/1920×1920/1440×1440), 30fps@(960× 540)*4</p>
Audio Compression	G711A/U
ROI	√
Network	RJ45×1, 10M/100M self-adaptive
CVBS Output	√
Audio	1-ch audio in(Line in), 1-ch build-in MIC in, 1-ch audio out
Storage Card	MicroSD up to 128GB
RS485	√
Alarm	1 input, 1 output
Interface Protocol	ONVIF
Motion Detection	√
Aisle Mode	-
Smart Analysis	√
PoE	√
IR Distance	20-30m
Water-proof Standrad	IP67
Power Supply	DC12V/PoE
Power Consumption	<3W
IR Consumption ON	≤12W
Operating Environment	-30℃→60℃, <95% humidity
Dimensions(mm)	φ130×39

Series	2MP pinhole Camera
Model	TD-9821E2
Photo	
Image Sensor	1 / 3 "CMOS
Image Size	1920 × 1080
Electronic Shutter	1 / 25 s ~ 1 / 100000 s
Iris	Fixed iris
Min. Illumination	Color: 0.1 Lux@F1.2; B / W: 0.01 Lux@F1.2
Lens	4.3 mm HD pinhole lens
Angle Adjustment	Adjusted by its support
Video Compression	H.265 / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile
Resolution	1080P (1920×1080), 720P (1280×720), D1
Multi-stream Frame Rates	1080P (1 ~ 30fps) / 720P (1 ~ 30fps) / D1 (1 ~ 30fps)
Bit Rate	32 Kbps ~ 16 Mbps
Resolution	1080P (1920×1080), 720P (1280×720), D1
Encode Mode	VBR / CBR
Quality	Five levels under VBR; Freely adjustable under CBR
Image Settings	ROI, Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, etc. adjustable through client software or web browser
ROI	√
Network	Rj45
Audio	One built-in microphone
Video Output	1Vp-p Composite Output (75Ω/BNC)
Storage Card	MicroSD up to 128GB
Remote Monitoring	IE browsing, CMS remote control
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol	TCP / IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP
Interface Protocol	ONVIF, GB-T/28181-2011
Image Snapping	JPEG encoding; image quality adjustable
Power Supply	DC12V
Power Consumption	≤2W
Operating Environment	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)	30 × 30 × 29.5




Series	4 MP HD Video Server
Model	TD-1401E
Photo	
HD Analog Video Input	1CH, BNC interface (level : 1.0Vp-p, impedance : 75Ω), PAL / NTSC selfadaptive, 4MP AHD / CVBS video access; 2MP TVI/AHD/CVBS video access
Audio Input	1 CH : 3.5 mm interface, share with MIC IN interface
Video Compression	H.264, H.265, MJPEG
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile
Bit Rate Type	VBR / CBR
Quality	Five levels under VBR; Freely adjustable under CBR
Bit Rate	32Kbps ~ 16Mbps
Resolution	4MP (2560×1440), 3MP (2304×1296) / (2048×1536), 1080P (1920×1080), 960P (1280×960), 720P (1280×720), D1, CIF, 480×240
Multi-streams	4MP (1-30fps) / 3MP (1-30fps) / 1920×1080 (1-30fps) / 960P (1-30fps) / 720P (1-30fps) / 720P (1-30fps) / D1 (1-30fps) / CIF (1-30fps) / D1 (1-30fps) / 480×240 (1-30fps) / CIF (1-30fps)
Audio Compression	G711A / U
Image Settings	ROI, Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, etc. adjustable through client software or web browser
ROI	√
Network	Rj45
Audio	MIC IN × 1, SPK OUT × 1
Storage Card	MicroSD up to 128GB
Rs485	√
Alarm Input	1 CH alarm input
Alarm Output	1 CH alarm output
Local Output	1 CH BNC output
Remote Monitoring	IE browsing, CMS remote control
Online Connection	Support simultaneous monitoring for up to 6 users; Support multi-stream real time transmission
Network Protocol	TCP / IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP
Interface Protocol	ONVIF, GB-T / 28181-2011
Image Snap	JPEG encoding, image quality adjustable
Smart Analysis	Exception detection, intrusion detection, line crossing detection
Ingress Protection	TVS6000V lightning protection, surge protection
Power Supply	PoE / DC12V
Power Output	Max 12V@0.5A
Power Consumption	< 4W
Operating Environment	-20℃ ~ 55℃, 10% ~ 90% (relative humidity)
Dimensions (mm)	140 × 74.3 × 29 (W × D × H)

M Series

Speed Dome







- Powerful protection:IK10,IP67
- Long IR distance
- Ultra star light
- Intelligent functions
- Max. 31X optical zoom

Series	Outdoor IR PTZ Camera		
Model	TD-8853IM(PE/WP/31M/VL50)	TD-9632M2(AR15/B30IM)	TD-9632M2(AR15/B20IM2)
Photo			
Image sensor	1/1.8" 5MP CMOS	1/2.8" 3MP CMOS	1/2.8" 3MP CMOS
Lens	31X(6.5-202mm)	30X(4.5-135mm)	20X(5.5-110mm)
FOV(H.)	57°(W)->2°(T)	59°(W)->2.3°(T)	51°(W)->1.8°(T)
Min Illumination	0.01LUX/F1.6 COLOR 0LUX /F1.6 IR ON	0.01LUX/F1.6 COLOR 0LUX /F1.6 IR ON	0.01LUX/F1.6 COLOR 0LUX /F1.6 IR ON
WDR	120dB	120dB	120dB
Max IR.Distance	500m (Zoom Illuminator)	300m	300m
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max Resolution	5M(2592x1944)	3M(2048x1536)	3M(2048x1536)
Frame Rate	30fps@1944p	30fps@1536p	30fps@1536p
Multi-streaming	3 streams	3 streams	3 streams
Pan	0-360° endless	0-360° endless	0-360° endless
Tilt	0-95° (auto flip)	0-93° (auto flip)	0-93° (auto flip)
Preset Speed	Pan 180°/s,Tilt 180°/s	Pan 150°/s,Tilt 150°/s	Pan 150°/s,Tilt 150°/s
Smart IR	Yes	Yes	Yes
Intelligent Video	Tripwire,Intrusion, Abandoned/Missing	Tripwire,Intrusion, Abandoned/Missing	Tripwire,Intrusion, Abandoned/Missing
Compatibility	ONVIF	ONVIF	ONVIF
Audio In/Out	1/1	1/1	1/1
Memory Slot	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB
Alarm In/Out	7/2	7/1	7/1
CVBS	1Vp-p ,BNC	1Vp-p ,BNC	1Vp-p ,BNC
Rs485	Peleco P/D	Peleco P/D	Peleco P/D
Ingress Protection	Ip67	Ip66	Ip66
Working temperature	-40,+60°C	-40,+60°C	-40,+60°C
Power	AC24V4A/POE++(802.bt),50W(Max 90W)	AC24V3A,30W(Max 60W)	AC24V3A,30W(Max 60W)

Speed Dome



Series	Outdoor IR PTZ Camera		Outdoor PTZ Camera	
Model	TD-8623IM(30M/AR15)	TD-8623IM(20M/AR15)	TD-9630M2(B30IM)	TD-8620IM(20M)
Photo				
Image sensor	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS
Lens	30X(4.5-135mm)	20X(5.5-110mm)	30X(4.5-135mm)	20X(5.5-110mm)
FOV(H.)	60°(W)->2.3°(T)	60°(W)->2.3°(T)	60°(W)->2.3°(T)	52°(W)->2.3°(T)
Min Illumination	0.006LUX/F1.6 COLOR 0LUX /F1.6 IR ON	0.006LUX/F1.6 COLOR 0LUX /F1.6 IR ON	0.006LUX/F1.6 COLOR 0LUX /F1.6 IR ON	0.006LUX/F1.6 COLOR 0LUX /F1.6 IR ON
WDR	120dB	120dB	120dB	120dB
Max IR.Distance	300m (Zoom Illuminator)	300m	/	/
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max Resolution	2M(1920X1080)	2M(1920X1080)	3M(2048x1536)	2M(1920X1080)
Frame Rate	30fps@1080p	30fps@1080p	30fps@1080p	30fps@1080p
Multi-streaming	3 streams	3 streams	3 streams	3 streams
Pan	0-360° endless	0-360° endless	0-360° endless	0-360° endless
Tilt	0-93° (auto flip)	0-93° (auto flip)	0-93° (auto flip)	0-93° (auto flip)
Preset Speed	Pan 150°/s,Tilt 180°/s	Pan 150°/s,Tilt 180°/s	Pan 150°/s,Tilt 180°/s	Pan 150°/s,Tilt 180°/s
Smart IR	Yes	Yes	Yes	Yes
Intelligent Video	Tripwire,Instrusion, Abandoned/MISSING	Tripwire,Instrusion, Abandoned/MISSING	Tripwire,Instrusion, Abandoned/MISSING	Tripwire,Instrusion, Abandoned/MISSING
Compatibility	ONVIF	ONVIF	ONVIF	ONVIF
Audio In/Out	1/1	1/1	1/1	1/1
Memory Slot	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB
Alarm In/Out	7/1	7/1	7/1	7/1
CVBS	1Vp-p ,BNC	1Vp-p ,BNC	1Vp-p ,BNC	1Vp-p ,BNC
Rs485	Peleco P/D	Peleco P/D	Peleco P/D	Peleco P/D
Ingress Protection	Ip66	Ip66	Ip66	Ip66
Working temperature	-40,+60°C	-40,+60°C	-40,+60°C	-40,+60°C
Power	AC24V3A,30W(Max 60W)	AC24V3A,30W(Max 60W)	AC24V3A,30W	AC24V3A,30W



E Series



- Budget-friendly
- H.265/H.264/HD Analog(TVI/AHD)
- 5 Inch size
- Intelligent functions
- Max. 30X optical zoom





Speed Dome



Series	Outdoor IR PTZ Camera	
Model	TD-9632E2(AR7/B30IM)	TD-9632E2(AR7/B20IM2)
Photo		
Image sensor	1/2.8" 3MP CMOS	1/2.8" 3MP CMOS
Lens	30X(4.5-135mm)	20X(5.5-110mm)
FOV(H.)	59°(W)->2.3°(T)	51°(W)->1.8°(T)
Min Illumination	0.01LUX/F1.6 COLOR 0LUX /F1.6 IR ON	0.01LUX/F1.6 COLOR 0LUX /F1.6 IR ON
WDR	120dB	120dB
Max IR Distance	100m	100m
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max Resolution	3M(2048X1536)	3M(2048X1536)
Frame Rate	30fps@1536p	30fps@1536p
Multi-streaming	3 streams	3 streams
Pan	0-360° endless	0-360° endless
Tilt	0-93° (auto flip)	0-93° (auto flip)
Preset Speed	Pan 150°/s,Tilt 180°/s	Pan 150°/s,Tilt 180°/s
Smart IR	Yes	Yes
Intelligent Video	Tripwire,Intrusion, Abandoned/Missing	Tripwire,Intrusion, Abandoned/Missing
Compatibility	ONVIF	ONVIF
Audio In/Out	1/1	1/1
Memory Slot	MicroSD up to 128GB	MicroSD up to 128GB
Alarm In/Out	1/1	1/1
CVBS	/	/
Rs485	/	/
Ingress Protection	Ip66	Ip66
Working temperature	-30,+60°C	-30,+60°C
Power	15W(Max 30W IR ON)	15W(Max 30W IR ON)

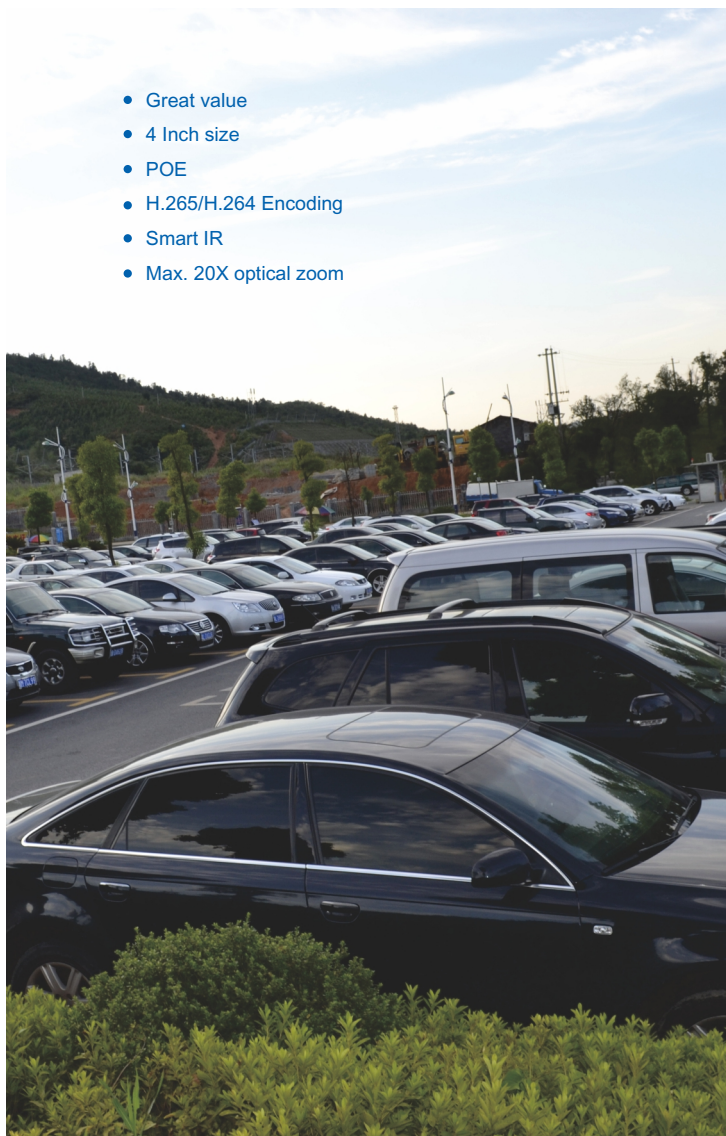
Speed Dome



Series	Outdoor IR PTZ Camera			
Model	TD-8523IE(30M/AR15)	TD-8523IE(20M/AR15)	TD-9632AE2(AR7/B20AIM)	TD-8523AE(20M/AR7)
Photo				
Image sensor	1/2.8" 2MP CMOS	1/2.8" 2MP CMOS	1/2.8" 3MP CMOS	1/2.8" 2MP CMOS
Lens	30X(4.5-135mm)	20X(5.5-110mm)	20X(5.5-110mm)	20X(5.5-110mm)
FOV(H.)	60°(W)->2.3°(T)	51°(W)->1.8°(T)	51°(W)->1.8°(T)	51°(W)->1.8°(T)
Min Illumination	0.006LUX/F1.6 COLOR 0LUX /F1.6 IR ON	0.006LUX/F1.6 COLOR 0LUX /F1.6 IR ON	0.03LUX/F1.6 COLOR 0LUX /F1.6 IR ON	0.02LUX/F1.6 COLOR 0LUX /F1.6 IR ON
WDR	120dB	120dB	112dB	120dB
Max IR.Distance	150m	150m	100m	150m
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	/
Max Resolution	2M(1920X1080)	2M(1920X1080)	2M(1920X1080)	2M(1920X1080)
Frame Rate	30fps@1080p	30fps@1080p	30fps@1080p	30fps@1080p
Multi-streaming	3 streams	3 streams	3 streams	Analog
Pan	0-360° endless	0-360° endless	0-360° endless	0-360° endless
Tilt	0-93° (auto flip)	0-93° (auto flip)	0-93° (auto flip)	0-93° (auto flip)
Preset Speed	Pan 150°/s,Tilt 180°/s	Pan 150°/s,Tilt 180°/s	Pan 150°/s,Tilt 180°/s	Pan 150°/s,Tilt 180°/s
Smart IR	Yes	Yes	/	Yes
Intelligent Video	Tripwire,Intrusion, Abandoned/Missing	Tripwire,Intrusion, Abandoned/Missing	Tripwire,Intrusion, Abandoned/Missing	/
Compatibility	ONVIF	ONVIF	ONVIF	COV/ISCA
Audio In/Out	1/1	1/1	1/1	/
Memory Slot	MicroSD up to 128GB	MicroSD up to 128GB	MicroSD up to 128GB	/
Alarm In/Out	1/1	1/1	1/1	1/1
CVBS	/	/	1Vp-p,BNC	1Vp-p,BNC
Rs485	/	/	/	/
Ingress Protection	Ip66	Ip66	Ip66	Ip66
Working temperature	-30,+60°C	-30,+60°C	-30,+60°C	-30,+60°C
Power	15W(Max 30W IR ON)	15W(Max 30W IR ON)	15W(Max 30W IR ON)	14W(Max 21W IR ON)



S Series

- Great value
- 4 Inch size
- POE
- H.265/H.264 Encoding
- Smart IR
- Max. 20X optical zoom



Speed Dome



Series	Outdoor IR PTZ Camera	
Model	TD-8423IS(PE/20M/AR10)	TD-8423IS(PE/18S/AR8)
Photo		
Image sensor	1/2.8" 2MP CMOS	1/2.9" 2MP CMOS
Lens	20X(5.5-110mm)	18X(5.5-88mm)
FOV(H.)	52°(W)->1.8°(T)	50°(W)->2.9°(T)
Min Illumination	0.006LUX/F1.6 COLOR 0LUX /F1.6 IR ON	0.06LUX/F1.5 COLOR 0LUX /F1.6 IR ON
WDR	120dB	90dB
Max IR.Distance	150m	150m
Video Compression	H.265/264	H.265/264
Max Resolution	2M(1920x1080)	2M(1920x1080)
Frame Rate	30fps@1944p	30fps@1944p
Multi-streaming	3 streams	3 streams
Pan	0-360° endless	0-360° endless
Tilt	0-95° (auto flip)	0-95° (auto flip)
Preset Speed	Pan 80°/s,Tilt 80°/s	Pan 80°/s,Tilt 80°/s
Smart IR	Yes	Yes
Intelligent Video	Tripwire,Instrusion, Abandoned/Missing	Tripwire,Instrusion, Abandoned/Missing
Compatibility	ONVIF	ONVIF
Audio In/Out	/	/
Memory Slot	MicroSD up to 128GB	MicroSD up to 128GB
Alarm In/Out	/	/
CVBS	/	/
Rs485	/	/
Ingress Protection	Ip66	Ip66
Working temperature	-30,+55°C	-30,+55°C
Power	DC12V1.5A/POE(802.af)	DC12V1.5A/POE(802.af)

1080P 4 in 1 Hybrid Camera-S Series

HD Analog Camera



Defog



HLC



BLC






EIS



AGC



Defect Correction

Series	1080P TVI&AHD Hybrid Camera			
Model	TD-7420AS1 (D/IR1)	TD-7421AS1 (D/IR1)	TD-7520AS1 (D/IR1)	TD-7524AS1 (D/IR1)
Photo				
Resolution	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Image Sensor	1 / 3.6" CMOS	1 / 3.6" CMOS	1 / 3.6" CMOS	1 / 3.6" CMOS
Min.Illumination	0 Lux (IR ON)	0 Lux (IR ON)	0 Lux (IR ON)	0 Lux (IR ON)
Lens	3.6 mm @M12(2.8 mm optional)	3.6 mm @M12(2.8 mm optional)	3.6 mm @M12(2.8 mm optional)	3.6 mm @M12(2.8 mm optional)
Lens Adjustment	Fixed Lens	Fixed Lens	Fixed Lens	Fixed Lens
Day/Night	√	√	√	√
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR
S/N Ratio	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)
Frame rate	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)
White Balance	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual
Function Control	OSD	OSD	OSD	OSD
IR distance	10 ~ 20m	10 ~ 20m	10 ~ 20m	10 ~ 20m
Water-proof Standrad	IP66	IP66	IP64	IP66
Power Supply	DC 12V (±10%)	DC 12V	DC 12V (±10%)	DC 12V
Power Consumption	<0.8W	<1W	<0.8W	<1W
IR Consumption ON	<3W	<3.7W	<3.7W	<3.7W
Operating Environment	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)	Ø65×147	70×70×156 (W×D×H)	Ø108×87	Ø108×87





1080P 4 in 1 Hybrid Camera-E Series

HD Analog Camera



Series	2MP AHD/TVI Camera				
Model	TD-7421AE2L (D/IR1)	TD-7421AE2L (D/IR1)	TD-7422AE2L(D/SW/IR2)	TD-7423AE2L(D/FZ/SW/IR3)	TD-7520AE2L(D/IR1)
Photo					
Resolution	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Image Sensor	1 / 2.9" CMOS	1 / 2.9" CMOS	1 / 2.9" CMOS	1 / 2.9" CMOS	1 / 2.9" CMOS
Min.Illumination	0 Lux (IR ON)	0 Lux (IR ON)	0 Lux (IR ON)	0 Lux (IR ON)	0 Lux (IR ON)
Lens	3.6 mm @M12(2.8 mm optional)	3.6 mm @M12(2.8 mm optional)	3.6 mm @M12(2.8 mm optional)	2.8-12mm@D14	3.6 mm @M12(2.8 mm optional)
Lens Adjustment	Fixed Lens	Fixed Lens	Fixed Lens	Manual Varifocal	Fixed Lens
Day/Night	√	√	√	√	√
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
S/N Ratio	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)
Frame rate	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)
White Balance	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual
Function Control	OSD	OSD	OSD	OSD	OSD
IR distance	10 ~ 20m	10 ~ 20m	20 ~ 30m	30 ~ 50m	10 ~ 20m
Water-proof Standrad	IP66	IP66	IP66	IP66	IP66
Power Supply	DC 12V	DC 12V	DC 12V	DC 12V	DC 12V
Power Consumption	<1W	<1W	<1W	<1W	<1W
IR Consumption ON	<3.7W	<3.7W	<4W	<4.9W	<3.7W
Operating Environment	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)	70×70×156 (W×D×H)	70×70×156 (W×D×H)	∅ 87 x 219	∅108×270	∅108×87

HD Analog Camera

Series	2MP AHD/TVI Camera			
Model	TD-7521AE2L(D/SW/IR1)	TD-7523AE2L(D/FZ/SW/IR2)	TD-7524AE2L(D/IR1)	TD-7525AE2L(D/FZ/SW/AR2)
Photo				
Resolution	1080P(1920 x 1080)	1080P(2048 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Image Sensor	1 / 2.9"CMOS	1 / 2.9"CMOS	1 / 2.9"CMOS	1 / 2.9"CMOS
Min.Illumination	0 Lux (IR ON)	0 Lux (IR ON)	0 Lux (IR ON)	0 Lux (IR ON)
Lens	3.6mm@M12(2.8mm optional)	2.8~12mm@D14	3.6 mm @M12(2.8 mm optional)	2.8~12mm@D14
Lens Adjustment	Fixed Lens	Manual Varifocal	Fixed Lens	Manual Varifocal
Day/Night	√	√	√	√
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR
S/N Ratio	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)
Frame rate	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)
White Balance	ATW, AWB--SET, Manual	ATW, AWB--SET, Manual	ATW, AWB--SET, Manual	ATW, AWB--SET, Manual
Function Control	OSD	OSD	OSD	OSD
IR distance	10 ~ 20m	20 ~ 30m	10 ~ 20m	20 ~ 30m
Water-proof Standrad	IP66	IP66	IP66	IP66
Power Supply	DC 12V	DC 12V	DC 12V	DC 12V
Power Consumption	<1W	<1W	<1W	<1W
IR Consumption ON	<3W	<5W	<3.7W	<5W
Operating Environment	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)	Ø116×91	Ø150×110	Ø108×87	Ø130×109

1080P 4 in 1 Hybrid Camera-M Series

HD Analog Camera



Defog



HLC



BLC








EIS



AGC



Defect Correction

Series	1080P AHD&TVI Hybrid Camera				
Model	TD-7322AM2(D)	TD-7421AM2(D/IR1)	TD-7422AM2 (D/IR2)	TD-7423AM2 (D/AZ/IR3)	TD-7521AM2(D/IR1)
Photo					
Resolution	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Image Sensor	1 / 2.8 "CMOS	1 / 2.8 "CMOS	1 / 2.8 "CMOS	1 / 2.8 "CMOS	1 / 2.8 "CMOS
Min.Illumination	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR
Lens	DC Drive	3.6 mm @M12 (2.8 mm optional)	3.6 mm @M12(2.8 mm/6mm optional)	2.8~10mm@D14	3.6 mm @M12(2.8 mm optional)
Lens Adjustment	C/CS	Fixed Lens	Fixed Lens	Motorized Varifocal	Fixed Lens
Day/Night	√	√	√	√	√
Wide Dynamic Range	Physical WDR	Physical WDR	Physical WDR	Physical WDR	Physical WDR
S/N Ratio	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)
Frame rate	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)
White Balance	ATW, AWB--SET, Manual	ATW, AWB--SET, Manual	ATW, AWB--SET, Manual	ATW, AWB--SET, Manual	ATW, AWB--SET, Manual
Function Control	OSD	OSD	OSD	OSD	OSD
IR distance	/	10 ~ 20m	20 ~ 30m	30 ~ 50m	10 ~ 20m
Water-proof Standrad	Ip54	IP66	IP66	IP66	IP66
Power Supply	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)
Power Consumption	<1W	<1W	<1W	<1W	<1W
IR Consumption ON	<4W	<4W	<4W	<5W	<4W
Operating Environment	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)	70×140×60 (W×D×H)	70×156×70 (W×D×H)	∅87 x 219	∅109×284	∅116×91

1080P 4 in 1 Hybrid Camera-M Series

HD Analog Camera



Defog



HLC



BLC









EIS



AGC



Defect Correction

Series	1080P AHD&TVI Hybrid Camera			
Model	TD-7523AM2(D/AZ/IR2)	TD-7524AM2(D/IR1)	TD-7525AM2(D/AZ/IR2)	TD-7527AM2(D/IR2)
Photo	 		 	
Resolution	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Image Sensor	1 / 2.8 "CMOS	1 / 2.8 "CMOS	1 / 2.8 "CMOS	1 / 2.8 "CMOS
Min.Illumination	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR
Lens	2.8-12mm@D14	3.6 mm @M12(2.8mm optional)	2.8-12mm@D14	3.6 mm @M12(2.8mm optional)
Lens Adjustment	Motorized Varifocal	Fixed Lens	Motorized Varifocal	Motorized Varifocal
Day/Night	√	√	√	√
Wide Dynamic Range	Physical WDR	Physical WDR	Physical WDR	Physical WDR
S/N Ratio	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)
Frame rate	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)
White Balance	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual
Function Control	OSD	OSD	OSD	OSD
IR distance	20 ~ 30m	10 ~ 20m	20 ~ 30m	10 ~ 20m
Water-proof Standrad	IP66	IP66	IP66	IP66
Power Supply	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)
Power Consumption	<1W	<1W	<1W	<1W
IR Consumption ON	<5W	<4W	<5W	<4W
Operating Environment	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)	Ø150×114	Ø108×87	Ø130×109	Ø110×58

2M 4 in 1 Hybrid Camera-M Series

HD Analog Camera



Defog



HLC



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Defect Correction

Series	2M AHD&TVI Camera			
Model	TD-7421AM2L(D/IR1)	TD-7422AM2L (D/IR2)	TD-7423AM2L (D/AZ/IR3)	TD-7521AM2L(D/SW/IR1)
Photo				
Resolution	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Image Sensor	1 / 2.8 "CMOS	1 / 2.8 "CMOS	1 / 2.8 "CMOS	1 / 2.8 "CMOS
Min.Illumination	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR
Lens	3.6 mm @M12 (2.8 mm optional)	3.6 mm @M12(2.8 mm/6mm optional)	2.8~10mm@D14	2.8~12mm@D14
Lens Adjustment	Fixed Lens	Fixed Lens	Motorized Varifocal	Motorized Varifocal
Day/Night	√	√	√	√
Wide Dynamic Range	Physical WDR	Physical WDR	Physical WDR	Physical WDR
S/N Ratio	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)
Frame rate	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)
White Balance	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual
Function Control	OSD	OSD	OSD	OSD
IR distance	10 ~ 20m	20 ~ 30m	30 ~ 50m	20 ~ 30m
Water-proof Standrad	IP66	IP66	IP66	IP66
Power Supply	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)
Power Consumption	<1W	<1W	<1W	<1W
IR Consumption ON	<4W	<4W	<5W	<4W
Operating Environment	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)	70×70×156 (W×D×H)	∅67 x 219	∅109×284	∅116×91

2M 4 in 1 Hybrid Camera-M Series

HD Analog Camera



Defog



HLC



BLC









EIS



AGC



Defect Correction

Series	2MP AHD&TVI Camera			
Model	TD-7523AM2L(D/AZ/SW/IR2)	TD-7524AM2L(D/SW/IR1)	TD-7525AM2L(D/AZ/SW/AR2)	TD-7527AM2L(D/SW/IR1)
Photo	 		 	
Resolution	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Image Sensor	1 / 2.8 *CMOS	1 / 2.8 *CMOS	1 / 2.8 *CMOS	1 / 2.8 *CMOS
Min.Illumination	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR
Lens	2.8~12mm@D14	3.6 mm @M12(2.8mm optional)	2.8~12mm@D14	2.8~12mm@D14
Lens Adjustment	Motorized Varifocal	Fixed Lens	Motorized Varifocal	Motorized Varifocal
Day/Night	√	√	√	√
Wide Dynamic Range	Physical WDR	Physical WDR	Physical WDR	Physical WDR
S/N Ratio	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)
Frame rate	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)	25fps (PAL); 30fps (NTSC)
White Balance	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual	ATW, AWB-SET, Manual
Function Control	OSD	OSD	OSD	OSD
IR distance	20 ~ 30m	10 ~ 20m	20 ~ 30m	20 ~ 30m
Water-proof Standrad	IP66	IP66	IP66	IP66
Power Supply	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)
Power Consumption	<1W	<1W	<1W	<1W
IR Consumption ON	<5W	<4W	<5W	<3.5W
Operating Environment	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)	Ø150×114	Ø108×87	Ø130×109	Ø110×58

5MP TVI&AHD Hybrid Camera -E Series

HD Analog Camera



Defog



HLC



BLC



EIS



AGC



Defect Correction

Series	5MP TVI&AHD Hybrid Camera						
Model	TD-7451AE1(D/SW/AR1)	TD-7452AE1 (D/AZ/SW/AR2)	TD-7453AE1 (D/SZ/SW/AR3)	TD-7551AE1 (D/SW/IR1)	TD-7553AE1 (D/AZ/SW/IR2)	TD-7554AE1 (D/SW/IR1)	TD-7555AE1 (D/AZ/SW/AR2)
Photo							
Resolution	5MP(2592x 1944)	5MP(2592x 1944)	5MP(2592x 1944)	5MP(2592x 1944)	5MP(2592x 1944)	5MP(2592x 1944)	5MP(2592x 1944)
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Image Sensor	1 / 2.7 *CMOS	1 / 2.7 *CMOS	1 / 2.7 *CMOS	1 / 2.7 *CMOS	1 / 2.7 *CMOS	1 / 2.7 *CMOS	1 / 2.7 *CMOS
Min.Illumination	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR
Lens	3.6 mm @M12(2.8 mm optional)	3.6 mm @M12(2.8 mm optional)	3.3~12mm@D14	3.6 mm @M12(2.8 mm optional)	3.3~12mm@D14	3.6 mm @M12(2.8 mm optional)	3.3~12mm@D14
Lens Adjustment	Fixed Lens	Fixed Lens	Manual Varifocal	Fixed Lens	Manual Varifocal	Fixed Lens	Manual Varifocal
Day/Night	√	√	√	√	√	√	√
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
S/N Ratio	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)
Frame rate	4M:25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)	4M:25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)	4M: 25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)	4M:25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)	4M: 25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)	4M:25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)	4M:25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)
White Balance	ATW, AWB→SET, Manual	ATW, AWB→SET, Manual	ATW, AWB→SET, Manual	ATW, AWB→SET, Manual	ATW, AWB→SET, Manual	ATW, AWB→SET, Manual	ATW, AWB→SET, Manual
Function Control	OSD	OSD	OSD	OSD	OSD	OSD	OSD
IR distance	10 ~ 20m	20 ~ 30m	30 ~ 50m	10 ~ 20m	20 ~ 30m	10 ~ 20m	20 ~ 30m
Water-proof Standrad	IP66	IP66	IP66	IP66	IP66	IP66	IP66
Power Supply	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)
Power Consumption	<1W	<1W	<1W	<1W	<1W	<1W	<1W
IR Consumption ON	<4W	<4W	<5W	<4W	<5W	<3W	<5W
Operating Environment	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)	70×70×156 (W×D×H)	Φ 87 x 219	Ø109×284	Ø116×91	Ø150×114	Ø108×87	Ø130×109

8MP TVI&AHD Hybrid Camera-E Series

HD Analog Camera



Defog



HLC



BLC



EIS



AGC



Defect Correction




Series	8MP TVI&AHD Hybrid Camera						
Model	TD-7481AE (D/IR1)	TD-7482AE (D/IR2)	TD-7483AE (D/FZ/IR3)	TD-7581AE (D/IR1)	TD-7583AE (D/FZ/IR2)	TD-7584AE (D/IR1)	TD-7585AE (D/FZ/AR2)
Photo							
Resolution	3840×2160	3840×2160	3840×2160	3840×2160	3840×2160	3840×2160	3840×2160
Video Output	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS	AHD/TVI/CVI/CVBS
Image Sensor	1 / 2.5 *CMOS	1 / 2.5 *CMOS	1 / 2.5 *CMOS	1 / 2.5 *CMOS	1 / 2.5 *CMOS	1 / 2.5 *CMOS	1 / 2.5 *CMOS
Min.Illumination	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR	Color : 0.001lux @F1.2, AGC ON B/W : 0 Lux with IR
Lens	3.6 mm @M12(2.8 mm optional)	3.6 mm @M12(2.8 mm optional)	3.3~12mm@D14	3.6 mm @M12(2.8 mm optional)	3.3~12mm@D14	3.6 mm @M12(2.8 mm optional)	3.3~12mm@D14
Lens Adjustment	Fixed Lens	Fixed Lens	Manual Varifocal	Fixed Lens	Manual Varifocal	Fixed Lens	Manual Varifocal
Day/Night	√	√	√	√	√	√	√
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
S/N Ratio	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)	≥52 dB(AGC off)
Frame rate	4M:25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)	4M:25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)	4M: 25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)	4M:25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)	4M: 25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)	4M:25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)	4M:25fps (PAL); 30fps (NTSC) 5M:20fps (PAL); 20fps (NTSC)
White Balance	ATW, AWB--SET, Manual	ATW, AWB--SET, Manual	ATW, AWB--SET, Manual	ATW, AWB--SET, Manual	ATW, AWB--SET, Manual	ATW, AWB--SET, Manual	ATW, AWB--SET, Manual
Function Control	OSD	OSD	OSD	OSD	OSD	OSD	OSD
IR distance	10 ~ 20m	20 ~ 30m	30 ~ 50m	10 ~ 20m	20 ~ 30m	10 ~ 20m	20 ~ 30m
Water-proof Standrad	IP66	IP66	IP66	IP66	IP66	IP66	IP66
Power Supply	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)
Power Consumption	<1W	<1W	<1W	<1W	<1W	<1W	<1W
IR Consumption ON	<4W	<4W	<5W	<4W	<5W	<3W	<5W
Operating Environment	-20 °C ~ 50 °C, 10 % ~ 90 % humidity	-20 °C ~ 50 °C, 10 % ~ 90 % humidity	-20 °C ~ 50 °C, 10 % ~ 90 % humidity	-20 °C ~ 50 °C, 10 % ~ 90 % humidity	-20 °C ~ 50 °C, 10 % ~ 90 % humidity	-20 °C ~ 50 °C, 10 % ~ 90 % humidity	-20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)	70×70×156 (W×D×H)	∅ 87 x 219	∅109×284	∅116×91	∅150×114	∅108×87	∅130×109




Accessories




	TD-YXH0207	TD-YXH0207+YZJ0811	TD-YXH0207+TD-YZJ0407	TD-YXH0207+TD-YZJ0407+TD-YZJ0501	TD-YXH0207+TD-YZJ0407+TD-YZJ0601		
	Junction Box	Ceiling Mount	Wall Mount	Pole Mount	Corner Mount		
							
	TD-YXH0104	TD-YXH0301	TD-YXH0301+TD-YZJ0810	TD-YXH0301+TD-YZJ0406	TD-YZJ0203	TD-YXH0301+TD-YZJ0406+TD-YZJ0501	TD-YXH0301+TD-YZJ0406+TD-YZJ0601
	Junction Box	Junction Box	Ceiling Mount	Wall Mount	Wall Mount	Pole Mount	Corner Mount
							
	TD-YXH0106	TD-YXH0302	TD-YXH0302+TD-YZJ0811	TD-YXH0302+TD-YZJ0407	TD-YXH0302+TD-YZJ0407+TD-YZJ0501	TD-YXH0302+TD-YZJ0407+TD-YZJ0601	TD-YZJ0203
	Junction Box	Junction Box	Ceiling Mount	Wall Mount	Pole Mount	Corner Mount	Wall Mount
							
	TD-YXH0101B	TD-YXH0101B+TD-YZJ0810	TD-YXH0101B+TD-YZJ0406	TD-YXH0101B+TD-YZJ0406+TD-YZJ0501	TD-YXH0101B+TD-YZJ0406+TD-YZJ0601		TD-YZJ0203
	Junction Box	Ceiling Mount	Wall Mount	Pole Mount	Corner Mount		Wall Mount
							




Accessories







	TD-YXH0302 Junction Box	TD-YXH0101 Junction Box
		

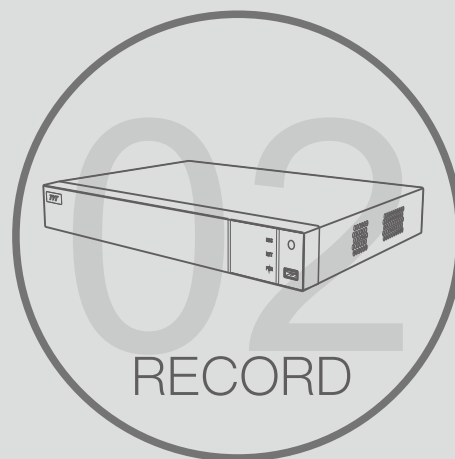
	TD-YXH0103 Junction Box	TD-YXH0301 Junction Box
		

	TD-YZJ0809 Ceiling Mount	TD-YZJ0303 Wall Mount
		

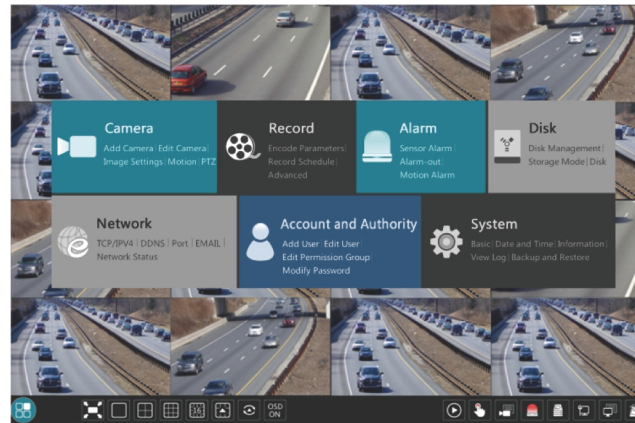
	TD-YZJ0102 Wall Mount	TD-YZJ0101 Wall Mount
		

	TD-YZJ0807 Ceiling Mount	TD-YZJ0302 Wall Mount	TD-YZJ0302+TD-YZJ0501 Pole Mount	TD-YZJ0302+TD-YZJ0601 Corner Mount	TD-YZJ0808 Wall Mount	TD-YZJ0808+TD-YZJ0501 Pole Mount	TD-YZJ0808+TD-YZJ0601 Corner Mount
							

	TD-YZJ0804 Ceiling Mount	TD-YZJ0301 Wall Mount	TD-YZJ0301+TD-YZJ0501 Pole Mount	TD-YZJ0301+TD-YZJ0501 Pole Mount
				

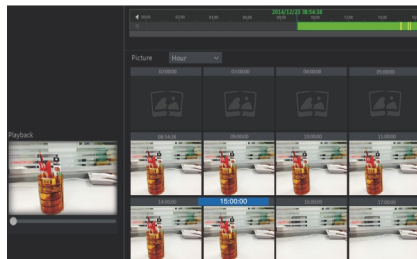


▶ NVMS9000



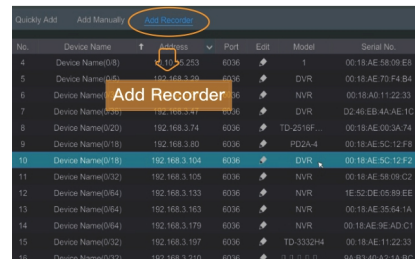
Time-Slice Playback

The target video can be found quickly by time slice of year mode, month mode, hour mode and minute mode.



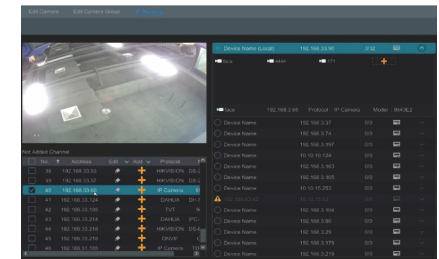
CMS

NVR can add the stream from other NVR and DVR, it can set Mirror preview and recording, or collect important channels from different devices in one big system. Meanwhile, it is also good idea simply use a small NVR as HD spot out.



IP Planning

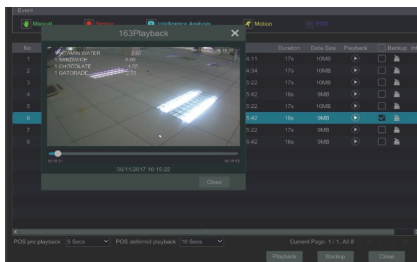
It's the direction of multi-device management, NVR can add/remove the IPC channels for other NVRs in same LAN, trigger Buzzer, edit user and IP address as well.





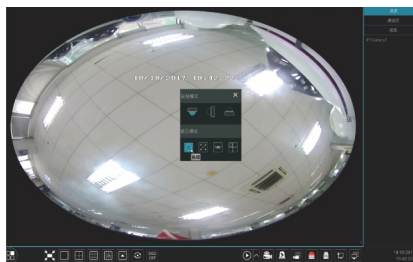
POS

Support POS-RS232 via TCP/IP protocol in NVR. One NVR can work with 4pcs POS terminals and overlay information at unlimited IP channels. Besides, it supports key words search when playback.



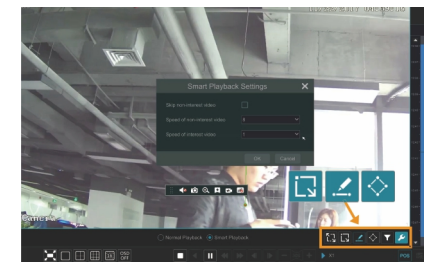
Fisheye

Support setting fisheye camera with different modes in NVR, also playback.



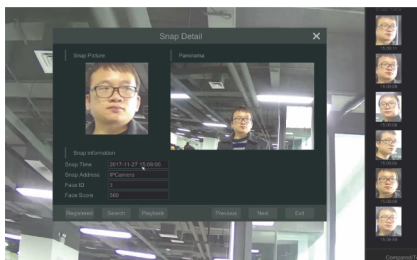
Smart Search

The device can be set to focus on a certain file when you select target motion area, region invasion or cross line area. The left files will be skipped or fast forwarded(1-8 times optional) so as to improve search efficiency.



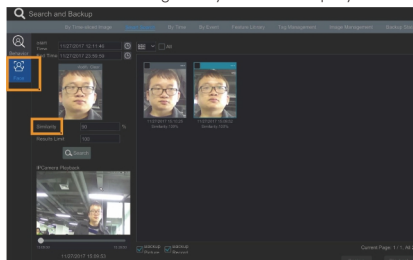
FACE Detection

NVR together with IPC that supports face detection , can detect the face during preview



FACE Recognition

After registering the face in library, NVR can make similarity comparison during preview ,also support search the recording file by face when playback.



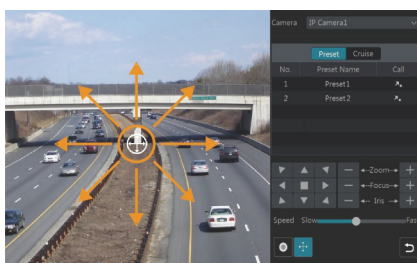
16X Digital Zoom

With latest fashion, picture in picture, and max. 16 times zoom, can very easily switch between details and full picture.



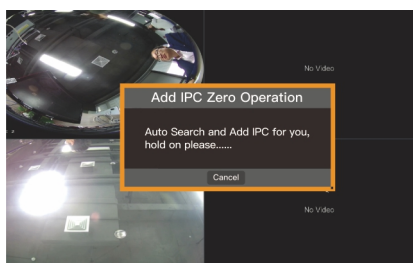
3D PTZ Control

Moving 3D icon by mouse to and fro, PTZ will zoom in/out accordingly.



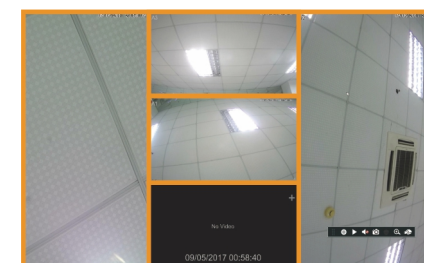
Zero Configuration

For NVR models less than 16ch, support adding IPC from the same LAN without any configuration.



Corridor Mode

It displays detailed information in special scenarios like corridor, bus, metro and so on.





Two Parameters Setting

Support setting parameters (including resolution, bitrate, fps and so on) separately in normal record time and event (motion, sensor and VCA), thus saving a lot storage space.

Always(7x24) Record+Motion Record+Sensor Record						
Normal						
Camera Name	Stream Type	Resolution	FPS	Bitrate	Audio	Record Stream
IP Camera1	Main Stream	1920x1080	25	4096kbps	ON	Dual Stream
Motion/Sensor Record						
Camera Name	Stream Type	Resolution	FPS	Bitrate	Audio	Record Stream
IP Camera1	Main Stream	2560x1440	25	6144kbps	ON	Dual Stream



Storage Mode

For more than 2 HDD devices, User can choose channels to record at certain HDD, for example 1-2 important channels in one HDD, and the left channels record at others.

Storage Mode		
Group	Disk	Camera
1	Disk (1) (Capacity: 9GB)	Camera (1)
2	Disk (0)	Camera (0)
3	Disk (0)	Camera (0)
4	Disk (0)	Camera (0)



Mixed-Layout Dwell

Support setting different layout modes (1 split, 4 splits, 9 splits) in one group and start to dwell.



Dual Stream

Support dual stream recording. NVR can switch different streams accordingly. For instance, 16-split screen with sub-stream, 1-split screen with master stream. Thus more channels can playback simultaneously and always with good picture.



FTP

Device can backup recording file to FTP, Support main type like Filezilla.



Cloud Upgrade

It can detect new fw version and ask for updating when device is in WAN.

▶ NVR



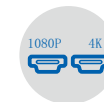
VCA

Support smart functions like line crossing, item care, etc in analogue channel.



RAID

8HDD and 16HDD NVR support RAID 0, 1, 5, 6, 10.



Dual HDMI

Professional line NVR, can support 2HDMI, one is 4K,another is 1080P, can be different video output.



Dual RJ45

Big-Channel NVRs support this, it can help set separated internal and external network, also a solution as redundancy.



Hot Swap

16HDD line can replace or add HDD without rebooting the system, easy to manage.



8MP

Normal NVR can record up to 8MP real time video. Cost down line -C can be up to 5MP real time.



1~16 HDD

1~16 HDDs optional.





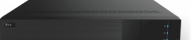


8/10TB

Support latest HDD capacity from 250GB to 10TB.

H.265 NVR S Series

NVR

Model		TD-3104B1	TD-3108B1	TD-3116B2	TD-3132B2	TD-3132B4
Picture						
Video & Audio Input	Network Video Input	4 CH	8 CH	16 CH	32 CH	32 CH
	Audio Input	4CH IPC Audio Input	8CH IPC Audio Input	16CH IPC Audio Input	32 CH IPC Audio Input	32 CH IPC Audio Input
Video & AudioOutput	HDMI Output	1CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024	1CH : 4K×2K / 1920 × 1080 / 1280×1024	1CH : 4K×2K / 1920 × 1080 / 1280×1024	1CH : 4K×2K / 1920 × 1080 / 1280×1024
	VGA Output	1 CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024
	Local Audio Output	/	/	1CH	1CH	1CH
	2-way Audio	/	/	1CH	1CH	1CH
	Video Compression Standard	H.265/H.264	H.265+/H.265/H.264	H.265+/H.265/H.264	H.265+/H.265/H.264	H.265+/H.265/H.264
Resolution	5MP / 4MP / 3MP / 1080P / 960P / 720P	5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	
Frame Rate	1-30fps	1-30fps	1-30fps	1-30fps	1-30fps	
Bitrate	128Kbps-10Mbps	128Kbps-10Mbps	128Kbps-10Mbps	128Kbps-10Mbps	128Kbps-10Mbps	
Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	
Dual-stream	Yes	Yes	Yes	Yes	Yes	
Storage	Recording Stream	Dual-stream recording	Dual-stream recording	Dual-stream recording	Dual-stream recording	Dual-stream recording
	HDD	1	1	2	2	4
	E-sata	/	/	/	/	/
Interface	Ethernet Interface	Rj45 X 1 , 10M/100M self-adaptive	Rj45 X 1 , 10M/100M self-adaptive	RJ45 x 1 , 10M/100M/1000M self-adaptive	RJ45 x 1 , 10M/100M/1000M self-adaptive	RJ45 x 1 , 10M/100M/1000M self-adaptive
	POE Interface	/	/	/	/	/
	Serial Interface	/	/	RS-485 x 2	RS-485 x 2	RS-485 x 2
	USB	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2
	Alarm Input	/	/	4CH	4CH	4CH
	Alarm Output	/	/	1CH	1CH	1CH
Others	Power Supply	DC12V	DC12V	DC12V	DC12V	ATX 250W
	Power Consumption	≤ 5W (without HDD)	≤ 5W (without HDD)	≤ 10W (without HDD)	≤ 10W (without HDD)	≤ 10W (without HDD)
	Working Environment	-10 ~ 55°C , 10% ~ 90% (relative humidity)	-10 ~ 55°C , 10% ~ 90% (relative humidity)	-10~55°C, 10%-90% (relative humidity)	-10~55°C, 10%-90% (relative humidity)	-10~55°C, 10%-90% (relative humidity)
	Remote Controller	Yes	Yes	Yes	Yes	Yes
	Case	NS	NS	1U	1U	1.5U
	Dimensions (mm)	255× 232 × 43 (W × D × H)	255× 232 × 43 (W × D × H)	380 x 268 x 48 (W x D x H)	380 x 268 x 48 (W x D x H)	440 × 393 × 70 (W × D × H)

H.265 POE NVR S Series

NVR

Model		TD-3104B1-4P	TD-3108B1-8P	TD-3116B2-16P	TD-3132B4-16P
Picture					
Video & Audio Input	Network Video Input	4CH	8CH	16CH	32CH
	Audio Input	4CH IPC audio input	8CH IPC audio input	16CH IPC audio input	32CH IPC audio input
Video & Audio Output	HDMI Output	1CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024	1CH , 4K x 2K / 1920 × 1080 / 1280×1024
	VGA Output	1CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024
	Local Audio Output	/	/	1CH	1CH
	2-way Audio	/	/	1CH	1CH
Video & Audio Encoding	Video Compression Standard	H.265+/H.265/H.264	H.265+/H.265/H.264	H.265+/H.265/H.264	H.265+/H.265/H.264
	Resolution	5MP / 4MP / 3MP / 1080P / 960P / 720P	5MP / 4MP / 3MP / 1080P / 960P / 720P	5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P
	Frame Rate	1-30fps	1-30fps	1-30fps	1-30fps
	Bitrate	128Kbps-10Mbps	128Kbps-10Mbps	128Kbps-10Mbps	128Kbps-10Mbps
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U
	Dual-stream	Yes	Yes	Yes	Yes
Storage	Recording Stream	Dual-stream recording	Dual-stream recording	Dual-stream recording	Dual-stream recording
	HDD	1	1	2	4
	E-sata	/	/	/	/
Interface	Ethernet Interface	1 , RJ45 10M/100M self-adaptive	RJ45 x 1 , 10M/100M self-adaptive	RJ45 x 1 , 10M/100M/1000M self-adaptive	RJ45 x 1 , 10M/100M/1000M self-adaptive
	POE Interface	4	8	16	16
	Serial Interface	/	/	/	RS-485 x 1
	USB	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2
	Alarm Input	/	/	/	4
	Alarm Output	/	/	/	1
Others	Power Supply	DC48V	DC48V	DC48V	ATX 300W
	Power Consumption	≤ 6W (without HDD & POE)	≤ 6W (without HDD & POE)	≤ 15W (without HDD & POE)	≤ 15W (without HDD & POE)
	Working Environment	-10 ~ 55°C , 10% ~ 90% (relative humidity)	-10 ~ 55°C , 10% ~ 90% (relative humidity)	-10 ~ 55°C , 10% ~ 90% (relative humidity)	-10 ~ 55°C , 10% ~ 90% (relative humidity)
	Remote Controller	Yes	Yes	Yes	Yes
	Case	NS	NS	1U	1.5U
	Dimensions (mm)	255× 232 × 43 (W × D × H)	255× 232 × 43 (W × D × H)	380 x 268 x 48 (W x D x H)	440 × 393 × 70 (W × D × H)

8MP H.265 NVR E Series

NVR

Model		TD-3204H1	TD-3208H1	TD-3316B1	TD-3364B4
Picture		 4K	 4K	 4K	 4K
Video & Audio Input	Network Video Input	4CH	8CH	16CH	64CH
	Audio Input	4CH IPC audio input	8CH IPC audio input	16CH IPC audio input	64CH IPC audio input
Video & Audio Output	HDMI Output	1CH , 4K×2K / 1920 × 1080 / 1280×1024	1CH , 4K×2K / 1920 × 1080 / 1280×1024	1CH , 4K×2K / 1920 × 1080 / 1280×1024	1CH : 4K×2K , 1CH : 1920 × 1080 / 1280×1024
	VGA Output	HDMI to VGA adapter optional	HDMI to VGA adapter optional	1CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024
	Local Audio Output	1CH	1CH	1CH	1CH
	2-way Audio	/	1CH	1CH	1CH
Video & Audio Encoding	Video Compression Standard	H.265+/H.265/H.264	H.265+/H.265/H.264	H.265+/H.265/H.264	H.265+/H.265/H.264
	Resolution	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P
	Frame Rate	1-30fps	1-30fps	1-30fps	1-30fps
	Bitrate	128Kbps-10Mbps	128Kbps-10Mbps	128Kbps-10Mbps	128Kbps-10Mbps
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U
	Dual-stream	Yes	Yes	Yes	Yes
Storage	Recording Stream	Dual-stream recording	Dual-stream recording	Dual-stream recording	Dual-stream recording
	HDD	1	1	2	4
	E-sata	/	/	/	/
Interface	Ethernet Interface	Rj45 x 1,10M/100M selfadaptive	Rj45 x 1,10M/100M selfadaptive	Rj45 x 1,10M/100M selfadaptive	RJ45 x2 , 10M/100M/1000M self-adaptive
	POE Interface	/	/	/	/
	Serial Interface	/	/	/	RS-485 x 2
	USB	USB2.0 x 2	USB2.0 x 2	USB2.0 x 1 , USB3.0 x 1	USB2.0 x 1 , USB3.0 x 1
	Alarm Input	/	4CH	/	8CH
	Alarm Output	/	1CH	/	4CH
Others	Power Supply	DC12V	DC12V	DC12V	ATX 250W
	Power Consumption	≤ 5W (without HDD)	≤ 5W (without HDD)	≤ 15W (without HDD)	≤ 15W (without HDD)
	Working Environment	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)
	Remote Controller	Yes	Yes	Yes	Yes
	Case	Mini 1U	Mini 1U	1U	1.5U
	Dimensions (mm)	300 × 248 × 52 (W × D × H)	300 × 248 × 52 (W × D × H)	380 × 268 × 48 (W × D × H)	440 × 393 × 70 (W × D × H)

8MP H.265 NVR E Series

NVR

Model		TD-3364B8	TD-N064E	TD-N128E
Picture		 4K	 4K	 4K
Video & Audio Input	Network Video Input	64CH	64CH	128CH
	Audio Input	64CH IPC audio input	64CH IPC audio input	128CH IPC audio input
Video & Audio Output	HDMI Output	1CH : 4Kx2K , 1CH : 1920 × 1080 / 1280x1024	1CH : 4Kx2K , 1CH : 1920 × 1080 / 1280x1024	1CH : 4Kx2K , 1CH : 1920 × 1080 / 1280x1024
	VGA Output	1CH , 1920 × 1080 / 1280x1024	1CH , 1920 × 1080 / 1280x1024	1CH , 1920 × 1080 / 1280x1024
	Local Audio Output	1CH	1CH	1CH
	2-way Audio	1CH	1CH	1CH
Video & Audio Encoding	Video Compression Standard	H.265+/H.265/H.264	H.265+/H.265/H.264	H.265+/H.265/H.264
	Resolution	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P
	Frame Rate	1-30fps	1-30fps	1-30fps
	Bitrate	128Kbps-10Mbps	128Kbps-10Mbps	128Kbps-10Mbps
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U
	Dual-stream	Yes	Yes	Yes
Storage	Recording Stream	Dual-stream recording	Dual-stream recording	Dual-stream recording
	HDD	8 HDDs; Support RAID0 , 1 , 5 , 6 , 10	16 HDDs; Support RAID0 , 1 , 5 , 6 , 10	16 HDDs; Support RAID0 , 1 , 5 , 6 , 10
	E-sata	2	1	1
Interface	Ethernet Interface	RJ45 x2 , 10M/100M/1000M self-adaptive	RJ45 x2 , 10M/100M/1000M self-adaptive	RJ45 x2 , 10M/100M/1000M self-adaptive
	POE Interface	/	/	/
	Serial Interface	RS-485 x 2	RS-485 x 2	RS-485 x 2
	USB	USB2.0 x 1 , USB3.0 x 1	USB3.0 x1, USB2.0 x2	USB3.0 x1, USB2.0 x2
	Alarm Input	8CH	8CH	8CH
	Alarm Output	4CH	4CH	4CH
Others	Power Supply	ATX 250W	ATX 250W	ATX 250W
	Power Consumption	≤ 15W (without HDD)	≤ 30W (without HDD)	≤ 30W (without HDD)
	Working Environment	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)
	Remote Controller	Yes	Yes	Yes
	Case	2U	3U	3U
	Dimensions (mm)	430 x 450 x 89 (W x D x H)	445 x 496 x 146 (W x D x H)	445 x 496 x 146 (W x D x H)





8MP H.265 POE NVR E Series

NVR

Model		TD-3204H1-4P	TD-3208H1-8P	TD-3316B1-8P	TD-3316B2-16P
Picture		 4K	 4K	 4K	 4K
Video & Audio Input	Network Video Input	4CH	8CH	16CH	16CH
	Audio Input	4CH IPC audio input	8CH IPC audio input	16CH IPC audio input	16CH IPC audio input
Video & AudioOutput	HDMI Output	1CH , 4K×2K / 1920 × 1080 / 1280×1024	1CH , 4K×2K / 1920 × 1080 / 1280×1024	1CH , 4K×2K / 1920 × 1080 / 1280×1024	1CH , 4K×2K / 1920 × 1080 / 1280×1024
	VGA Output	1CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024	1CH , 1920 × 1080 / 1280×1024
	Local Audio Output	1CH	1CH	1CH	1CH
	2-way Audio	1CH	1CH	1CH	1CH
Video & Audio Encoding	Video Compression Standard	H.265+/H.265/H.264	H.265+/H.265/H.264	H.265+/H.265/H.264	H.265+/H.265/H.264
	Resolution	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P
	Frame Rate	1-30fps	1-30fps	1-30fps	1-30fps
	Bitrate	128Kbps-10Mbps	128Kbps-10Mbps	128Kbps-10Mbps	128Kbps-10Mbps
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U
	Dual-stream	Yes	Yes	Yes	Yes
Storage	Recording Stream	Dual-stream recording	Dual-stream recording	Dual-stream recording	Dual-stream recording
	HDD	1	1	2	2
	E-sata	/	/	/	/
Interface	Ethernet Interface	RJ45 x1 , 10M/100M self-adaptive	RJ45 x1 , 10M/100M self-adaptive	RJ45 x1 , 10M/100M/1000M self-adaptive	RJ45 x1 , 10M/100M/1000M self-adaptive
	POE Interface	4	8	8	16
	Serial Interface	/	/	/	/
	USB	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2
	Alarm Input	/	/	/	/
	Alarm Output	/	/	/	/
Others	Power Supply	DC48V	DC48V	DC48V	DC48V
	Power Consumption	≤ 5W (without HDD & POE)	≤ 5W (without HDD & POE)	≤ 15W (without HDD & POE)	≤ 15W (without HDD & POE)
	Working Environment	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)
	Remote Controller	Yes	Yes	Yes	Yes
	Case	Mini 1U	Mini 1U	1U	1U
	Dimensions (mm)	300 × 248 × 52 (W × D × H)	300 × 248 × 52 (W × D × H)	380 × 268 × 48 (W × D × H)	380 × 268 × 48 (W × D × H)





8MP H.265 NVR AI Series



Model		TD-3308B1-A1	TD-3316B2-A1	TD-3316H2-A1	TD-3332H2-A1
Picture		 4K	 4K	 4K	 4K
Video & Audio Input	Network Video Input	8CH	16CH	16CH	32CH
	Access / Transfer Bandwidth	80Mbps / 80Mbps	160Mbps / 160Mbps	160Mbps / 160Mbps	160Mbps / 160Mbps
Video & AudioOutput	Audio Input	8CH IPC audio input	16CH IPC audio input	16CH IPC audio input	16CH IPC audio input
	HDMI Output	1CH , 4Kx2K / 1920 × 1080 / 1280x1024	1CH , 4Kx2K / 1920 × 1080 / 1280x1024	1CH , 4Kx2K / 1920 × 1080 / 1280x1024	1CH , 4Kx2K / 1920 × 1080 / 1280x1024
	VGA Output	1CH , 1920 × 1080 / 1280x1024	1CH , 1920 × 1080 / 1280x1024	1CH , 1920 × 1080 / 1280x1024	1CH , 1920 × 1080 / 1280x1024
	Local Audio Output	1CH	1CH	1CH	1CH
	2-way Audio	1CH	1CH	1CH	1CH
	Video Compression Standard	H.265+ / H.265 / H.264	H.265+ / H.265 / H.264	H.265+ / H.265 / H.264	H.265+ / H.265 / H.264
Video & Audio Encoding	Resolution	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P
	Frame Rate	1-30fps	1-30fps	1-30fps	1-30fps
	Bitrate	32Kbps-10Mbps	32Kbps-10Mbps	32Kbps-10Mbps	32Kbps-10Mbps
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U
Face	Dual-stream	Yes	Yes	Yes	Yes
	Channel	8CH	16CH	16CH	32CH
	Face Picture Database	10000 Face Pictures	10000 Face Pictures	10000 Face Pictures	10000 Face Pictures
	Computing Capability	240 pictures/minute	240 pictures/minute	240 pictures/minute	240 pictures/minute
	Face Picture Search	Search by picture is supported	Search by picture is supported	Search by picture is supported	Search by picture is supported
	Database Management	Add, modify, delete and search face pictures	Add, modify, delete and search face pictures	Add, modify, delete and search face pictures	Add, modify, delete and search face pictures
	Face Picture Adding	Add face pictures through APP,WEB and local PC	Add face pictures through APP,WEB and local PC	Add face pictures through APP,WEB and local PC	Add face pictures through APP,WEB and local PC
	External face picture enrollment	Resolution : 64*64 ~ 1920*1080	Resolution : 64*64 ~ 1920*1080	Resolution : 64*64 ~ 1920*1080	Resolution : 64*64 ~ 1920*1080
		Size : less than 200KB Format:jpg	Size : less than 200KB Format:jpg	Size : less than 200KB Format:jpg	Size : less than 200KB Format:jpg
	Face Picture Comparison	Support allow list and block list alarm	Support allow list and block list alarm	Support allow list and block list alarm	Support allow list and block list alarm
	Face Trace	Yes	Yes	Yes	Yes
	Map of Face Trace	Reolution : 600*300 ~ 3840*2160	Reolution : 600*300 ~ 3840*2160	Reolution : 600*300 ~ 3840*2160	Reolution : 600*300 ~ 3840*2160
		Size : within 200KB Format:jpg	Size : within 200KB Format:jpg	Size : within 200KB Format:jpg	Size : within 200KB Format:jpg
	Statistic Graph of Face Information	Bar graph, pie chart	Bar graph, pie chart	Bar graph, pie chart	Bar graph, pie chart
	Statistic Mode of Face Information	Statistics by day, week, month,quarter as well as customized time period	Statistics by day, week, month,quarter as well as customized time period	Statistics by day, week, month,quarter as well as customized time period	Statistics by day, week, month,quarter as well as customized time period
	Storage	Recording Stream	Dual-stream recording	Dual-stream recording	Dual-stream recording
HDD		1	2	2	2
E-sata		/	/	/	/
Interface	Ethernet Interface	RJ45 x 1 , 10M/100M/1000M self-adaptive	RJ45 x 1 , 10M/100M/1000M self-adaptive	RJ45 x 1 , 10M/100M/1000M self-adaptive	RJ45 x 1 , 10M/100M/1000M self-adaptive
	POE Interface	/	/	/	/
	Serial Interface	RS-485 x 2	RS-485 x 2	RS-485 x 1	RS-485 x 1
	USB	USB2.0 x 1 , USB3.0 x 1	USB2.0 x 1 , USB3.0 x 1	USB2.0 x 1 , USB3.0 x 1	USB2.0 x 1 , USB3.0 x 1
	Alarm Input	8CH	8CH	/	/
Others	Alarm Output	4CH	4CH	/	/
	Power Supply	DC12V	DC12V	DC12V	DC12V
	Power Consumption	≤ 15W (without HDD)	≤ 15W (without HDD)	≤ 15W (without HDD)	≤ 15W (without HDD)
	Working Environment	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)
Remote Controller	Yes	Yes	Yes	Yes	
Case	1U	1U	1U	1U	
Dimensions (mm)	300 × 248 × 52 (W × D × H)	380 × 268 × 52 (W × D × H)	380 × 268 × 52 (W × D × H)	300 × 248 × 52 (W × D × H)	




8MP H.265 NVR AI Series

NVR

Model		TD-3316B4-A1	TD-3332H4-A1	TD-3532H8-A1	TD-3332B8-A1	
Picture		 4K	 4K	 4K	 4K	
Video & Audio Input	Network Video Input	16CH	32CH	32CH	32CH	
	Access / Transfer Bandwidth	160Mbps / 160Mbps	256Mbps / 256Mbps	256Mbps / 256Mbps	256Mbps / 256Mbps	
	Audio Input	16CH IPC audio input	32CH IPC audio input	32CH IPC audio input	32CH IPC audio input	
Video & Audio Output	HDMI Output	1CH, 4K*2K / 1920 × 1080 / 1280*1024	1CH, 4K*2K / 1920 × 1080 / 1280*1024	1CH:4K*2K,1CH:1920 × 1080 / 1280*1024	1CH:4K*2K,1CH:1920 × 1080 / 1280*1024	
	VGA Output	1CH, 1920 × 1080 / 1280*1024	1CH, 1920 × 1080 / 1280*1024	1CH, 1920 × 1080 / 1280*1024	1CH, 1920 × 1080 / 1280*1024	
	Local Audio Output	1CH	1CH	1CH	1CH	
	2-way Audio	1CH	1CH	1CH	1CH	
	Video Compression Standard	H.265+ / H.265 / H.264	H.265+ / H.265 / H.264	H.265+ / H.265 / H.264	H.265+ / H.265 / H.264	
Video & Audio Encoding	Resolution	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	
	Frame Rate	1-30fps	1-30fps	1-30fps	1-30fps	
	Bitrate	32Kbps-10Mbps	32Kbps-10Mbps	32Kbps-10Mbps	32Kbps-10Mbps	
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	
	Dual-stream	Yes	Yes	Yes	Yes	
Face	Channel	8CH	32CH	32CH	32CH	
	Face Picture Database	10000 Face Pictures	10000 Face Pictures	10000 Face Pictures	10000 Face Pictures	
	Computing Capability	240 pictures/minute	240 pictures/minute	240 pictures/minute	240 pictures/minute	
	Face Picture Search	Search by picture is supported	Search by picture is supported	Search by picture is supported	Search by picture is supported	
	Database Management	Add, modify, delete and search face pictures	Add, modify, delete and search face pictures	Add, modify, delete and search face pictures	Add, modify, delete and search face pictures	
	Face Picture Adding	Add face pictures through APP,WEB and local PC	Add face pictures through APP,WEB and local PC	Add face pictures through APP,WEB and local PC	Add face pictures through APP,WEB and local PC	
	External face picture enrollment	Resolution : 64*64 ~ 1920*1080 Size : less than 200KB Format:jpg	Resolution : 64*64 ~ 1920*1080 Size : less than 200KB Format:jpg	Resolution : 64*64 ~ 1920*1080 Size : less than 200KB Format:jpg	Resolution : 64*64 ~ 1920*1080 Size : less than 200KB Format:jpg	
	Face Picture Comparison	Support allow list and block list alarm	Support allow list and block list alarm	Support allow list and block list alarm	Support allow list and block list alarm	
	Face Trace	Yes	Yes	Yes	Yes	
	Map of Face Trace	Resolution : 600*300 ~ 3840*2160 Size : within 200KB Format:jpg	Resolution : 600*300 ~ 3840*2160 Size : within 200KB Format:jpg	Resolution : 600*300 ~ 3840*2160 Size : within 200KB Format:jpg	Resolution : 600*300 ~ 3840*2160 Size : within 200KB Format:jpg	
	Statistic Graph of Face Information	Bar graph, pie chart Statistics by day, week, month,quarter as well as customized time period	Bar graph, pie chart Statistics by day, week, month,quarter as well as customized time period	Bar graph, pie chart Statistics by day, week, month,quarter as well as customized time period	Bar graph, pie chart Statistics by day, week, month,quarter as well as customized time period	
	Storage	Recording Stream	Dual-stream recording	Dual-stream recording	Dual-stream recording	Dual-stream recording
		HDD	4	4	8	8 HDDs;Support RAID0,1,5,6,10
		E-sata	/	/	2	2
Interface	Ethernet Interface	RJ45 x 1, 10M/100M/1000M self-adaptive	RJ45 x 1, 10M/100M/1000M self-adaptive	RJ45 x 2, 10M/100M/1000M self-adaptive	RJ45 x 2, 10M/100M/1000M self-adaptive	
	POE Interface	/	/	/	/	
	Serial Interface	RS-485 x 2	RS-485 x 2	RS-485 x 2	RS-485 x 2	
	USB	USB2.0 x 1, USB3.0 x 1	USB2.0 x 1, USB3.0 x 1	USB2.0 x 1, USB3.0 x 1	USB2.0 x 1, USB3.0 x 1	
	Alarm Input	8CH	8CH	8CH	8CH	
Others	Alarm Output	4CH	4CH	4CH	4CH	
	Power Supply	ATX 250W	ATX 250W	ATX 250W	ATX 250W	
	Power Consumption	≤ 15W (without HDD)	≤ 15W (without HDD)	≤ 15W (without HDD)	≤ 15W (without HDD)	
	Working Environment	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)	
	Remote Controller	Yes	Yes	Yes	Yes	
Case	1.5U	1.5U	2U	2U		
Dimensions (mm)	440 × 393 × 80 (W × D × H)	440 × 393 × 80 (W × D × H)	430 × 450 × 100 (W × D × H)	430 × 450 × 100 (W × D × H)		




8MP H.265 PoE NVR AI Series



Model		TD-3308B1-8P-A1	TD-3316B2-8P-A1	TD-3316B4-16P-A1
Picture		 4K	 4K	 4K
Video & Audio Input	Network Video Input	8CH	16CH	16CH
	Access / Transfer Bandwidth	80Mbps / 80Mbps	160Mbps / 160Mbps	160Mbps / 160Mbps
	Audio Input	8CH IPC audio input	16CH IPC audio input	16CH IPC audio input
Video & Audio Output	HDMI Output	1CH , 4K*2K / 1920 × 1080 / 1280*1024	1CH , 4K*2K / 1920 × 1080 / 1280*1024	1CH , 4K*2K / 1920 × 1080 / 1280*1024
	VGA Output	1CH , 1920 × 1080 / 1280*1024	1CH , 1920 × 1080 / 1280*1024	1CH , 1920 × 1080 / 1280*1024
	Local Audio Output	1CH	1CH	1CH
	2-way Audio	1CH	1CH	1CH
	Video Compression Standard	H.265+ / H.265 / H.264	H.265+ / H.265 / H.264	H.265+ / H.265 / H.264
Video & Audio Encoding	Resolution	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P
	Frame Rate	1-30fps	1-30fps	1-30fps
	Bitrate	32Kbps-10Mbps	32Kbps-10Mbps	32Kbps-10Mbps
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U
	Dual-stream	Yes	Yes	Yes
Face	Channel	8CH	16CH	16CH
	Face Picture Database	10000 Face Pictures	10000 Face Pictures	10000 Face Pictures
	Computing Capability	240 pictures/minute	240 pictures/minute	240 pictures/minute
	Face Picture Search	Search by picture is supported	Search by picture is supported	Search by picture is supported
	Database Management	Add, modify, delete and search face pictures	Add, modify, delete and search face pictures	Add, modify, delete and search face pictures
	Face Picture Adding	Add face pictures through APP,WEB and local PC	Add face pictures through APP,WEB and local PC	Add face pictures through APP,WEB and local PC
	External face picture enrollment	Resolution : 64*64 ~ 1920*1080 Size : less than 200KB Format:jpg	Resolution : 64*64 ~ 1920*1080 Size : less than 200KB Format:jpg	Resolution : 64*64 ~ 1920*1080 Size : less than 200KB Format:jpg
	Face Picture Comparison	Support allow list and block list alarm	Support allow list and block list alarm	Support allow list and block list alarm
	Face Trace	Yes	Yes	Yes
	Map of Face Trace	Resolution : 600*300 ~ 3840*2160	Resolution : 600*300 ~ 3840*2160	Resolution : 600*300 ~ 3840*2160
		Size : within 200KB Format:jpg	Size : within 200KB Format:jpg	Size : within 200KB Format:jpg
	Statistic Graph of Face Information	Bar graph, pie chart	Bar graph, pie chart	Bar graph, pie chart
	Statistic Mode of Face Information	Statistics by day, week, month,quarter as well as customized time period	Statistics by day, week, month,quarter as well as customized time period	Statistics by day, week, month,quarter as well as customized time period
Storage	Recording Stream	Dual-stream recording	Dual-stream recording	Dual-stream recording
	HDD	1	2	4
	E-sata	/	/	/
Interface	Ethernet Interface	RJ45 x 1 , 10M/100M/1000M self-adaptive	RJ45 x 1 , 10M/100M/1000M self-adaptive	RJ45 x 1 , 10M/100M/1000M self-adaptive
	POE Interface	8	8	16
	Serial Interface	/	/	/
	USB	USB2.0 x 1 , USB3.0 x 1	USB2.0 x 1 , USB3.0 x 1	USB2.0 x 1 , USB3.0 x 1
	Alarm Input	8CH	8CH	8CH
Others	Alarm Output	4CH	4CH	4CH
	Power Supply	DC48V	DC48V	ATX 300W
	Power Consumption	≤ 15W (without HDD)	≤ 15W (without HDD)	≤ 15W (without HDD)
	Working Environment	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)
	Remote Controller	Yes	Yes	Yes
	Case	1U	1U	1.5U
Dimensions (mm)	300 × 248 × 52 (W × D × H)	380 × 268 × 52 (W × D × H)	440 × 393 × 70 (W × D × H)	

8MP H.265 PoE NVR AI Series

NVR

Model		TD-3316H4-16P-A1	TD-3332H4-16P-A1	TD-3532H8-16P-A1	
Picture		 4K	 4K	 4K	
Video & Audio Input	Network Video Input	16CH	32CH	32CH	
	Access / Transfer Bandwidth	160Mbps / 160Mbps	256Mbps / 256Mbps	256Mbps / 256Mbps	
	Audio Input	16CH IPC audio input	32CH IPC audio input	32CH IPC audio input	
Video & Audio Output	HDMI Output	1CH , 4K*2K / 1920 × 1080 / 1280*1024	1CH , 4K*2K / 1920 × 1080 / 1280*1024	1CH , 4K*2K / 1920 × 1080 / 1280*1024	
	VGA Output	1CH , 1920 × 1080 / 1280*1024	1CH , 1920 × 1080 / 1280*1024	1CH , 1920 × 1080 / 1280*1024	
	Local Audio Output	1CH	1CH	1CH	
	2-way Audio	1CH	1CH	1CH	
	Video Compression Standard	H.265+ / H.265 / H.264	H.265+ / H.265 / H.264	H.265+ / H.265 / H.264	
Video & Audio Encoding	Resolution	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	8MP / 5MP / 4MP / 3MP / 1080P / 960P / 720P	
	Frame Rate	1-30fps	1-30fps	1-30fps	
	Bitrate	32Kbps-10Mbps	32Kbps-10Mbps	32Kbps-10Mbps	
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	
	Dual-stream	Yes	Yes	Yes	
	Channel	16CH	32CH	32CH	
	Face Picture Database	10000 Face Pictures	10000 Face Pictures	10000 Face Pictures	
Face	Computing Capability	240 pictures/minute	240 pictures/minute	240 pictures/minute	
	Face Picture Search	Search by picture is supported	Search by picture is supported	Search by picture is supported	
	Database Management	Add, modify, delete and search face pictures	Add, modify, delete and search face pictures	Add, modify, delete and search face pictures	
	Face Picture Adding	Add face pictures through APP,WEB and local PC	Add face pictures through APP,WEB and local PC	Add face pictures through APP,WEB and local PC	
	External face picture enrollment	Resolution : 64*64 ~ 1920*1080 Size : less than 200KB Format:jpg	Resolution : 64*64 ~ 1920*1080 Size : less than 200KB Format:jpg	Resolution : 64*64 ~ 1920*1080 Size : less than 200KB Format:jpg	
	Face Picture Comparison	Support allow list and block list alarm	Support allow list and block list alarm	Support allow list and block list alarm	
	Face Trace	Yes	Yes	Yes	
	Map of Face Trace	Resolution : 600*300 ~ 3840*2160 Size : within 200KB Format:jpg	Resolution : 600*300 ~ 3840*2160 Size : within 200KB Format:jpg	Resolution : 600*300 ~ 3840*2160 Size : within 200KB Format:jpg	
	Statistic Graph of Face Information	Bar graph, pie chart	Bar graph, pie chart	Bar graph, pie chart	
	Statistic Mode of Face Information	Statistics by day, week, month,quarter as well as customized time period	Statistics by day, week, month,quarter as well as customized time period	Statistics by day, week, month,quarter as well as customized time period	
	Storage	Recording Stream	Dual-stream recording	Dual-stream recording	Dual-stream recording
		HDD	4	4	8
		E-sata	/	/	/
Interface	Ethernet Interface	RJ45 x 1 , 10M/100M/1000M self-adaptive	RJ45 x 1 , 10M/100M/1000M self-adaptive	RJ45 x 1 , 10M/100M/1000M self-adaptive	
	POE Interface	16	16	16	
	Serial Interface	RS-485 x 2	RS-485 x 1	RS-485 x 1	
	USB	USB2.0 x 1 , USB3.0 x 1	USB2.0 x 1 , USB3.0 x 1	USB2.0 x 1 , USB3.0 x 1	
	Alarm Input	16CH	16CH	16CH	
	Alarm Output	4CH	4CH	4CH	
Others	Power Supply	ATX 300W	ATX 300W	ATX 300W	
	Power Consumption	≤ 15W (without HDD)	≤ 15W (without HDD)	≤ 15W (without HDD)	
	Working Environment	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)	-10~55°C, 10%~90% (relative humidity)	
	Remote Controller	Yes	Yes	Yes	
	Case	1.5U	1.5U	2U	
	Dimensions (mm)	440 × 393 × 70 (W × D × H)	440 × 393 × 70 (W × D × H)	430 × 450 × 89 (W × D × H)	

▶ DVR



1~8 HDD

1 HDD, 2 HDD, 4 HDD and 8 HDD optional.



720P~8MP

Different range DVRs with resolution 720p, 1080P Lite, 1080P, 4/5MP, 8MP.



4K Output

4/5/8MP DVR support 4K output, and can fully integrate with 1080P.



5 in 1

DVR supports AHD, TVI, CVI, CVBS and IP signal.



Analogue to IP

Analogue channel can be switched to IP channel flexibly.



VCA

Support smart functions like line crossing, item care, etc in analogue channel.



Ipv6

Support IPv6 to avoid Ipv4 address exhaustion in the foreseeable future. IPC/DVR/NVR can also support it.



USB Alarm

Independent USB alarm device with 16 ch in /6ch out, support all DVR and NVR, more flexible for project purpose.



3D DNR

3D DNR is an advanced technology which enables noise to be filtered more effectively from the image even under low light condition. DVR supports E and S line camera.



API/SDK

Our devices with Universal API/SDK, proper and clean, can make detailed integration with 3rd-party platform.

S Series H.264 1080P Lite DVR

DVR

Model		TD-2104TS-CL	TD-2108TS-CL	TD-2116TS-CL
Picture				
Video & Audio Input	Video Input	4 CH , TVI/AHD/CVI Analog camera	8 CH , TVI/AHD/CVI Analog camera	16 CH , TVI/AHD/CVI Analog camera
	Network Video / Audio Input	1 CH(up to 5CH)	1 CH(up to 9CH)	2 CH(up to 4CH)
	Local Audio Input	1 CH	1 CH	1 CH
Video & Audio Output	HDMI Output	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024
	VGA Output	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024
	CVBS Output	/	/	1 CH
	SPOT Output	/	/	Yes
	Local Audio Output	1 CH	1 CH	1 CH
	2-way Audio	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)
Video & Audio Encoding	Video Compression Standard	H.264	H.264	H.264
	Resolution	1080P Lite / 720P / WD1	1080P Lite / 720P / WD1	1080P Lite / 720P / WD1
	Recording Frame Rate	TVI/AHD/CVI: 1080P Lite/720P/WD1@30fps	TVI/AHD/CVI: 1080P Lite/720P@15fps; 720P Lite/WD1@30fps	TVI/AHD/CVI: 1080P Lite/720P@15fps; 720P Lite/WD1@30fps
	Bitrate	768Kbps-6Mbps	768Kbps-6Mbps	768Kbps-6Mbps
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U
Storage	HDD	1 HDD	1 HDD	1 HDD
	E-sata	/	/	/
Interface	Ethernet Interface	RJ45 x 1, 10M/100M self-adaptive	RJ45 x 1, 10M/100M self-adaptive	RJ45 x 1, 10M/100M self-adaptive
	RS485 Interface	/	/	RS-485 x 1 (Connect to PTZ or keyboard)
	USB Interface	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2
	Alarm Input	/	/	/
	Alarm Output	/	/	/
	Others	Coaxial Control	Yes	Yes
	Power Supply	DC12V	DC12V	DC12V
	Power Consumption	≤ 5W (without HDD)	≤ 5W (without HDD)	≤ 8W (without HDD)
	Working Environment	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)
	Remote Controller	Yes	Yes	Yes
	Case	Mini 1U Case	Mini 1U	Mini 1U
	Dimensions (mm)	255× 225 × 43 (W × D × H)	255× 225 × 43 (W × D × H)	255× 225 × 43 (W × D × H)







E Series H.264 1080P Lite DVR

DVR

Model		TD-2704TS-CL	TD-2708TS-CL	TD-2716TS-CL
Picture				
Video & Audio Input	Video Input	4 CH , TVI/AHD/CVI Analog camera	8 CH , TVI/AHD/CVI Analog camera	16 CH , TVI/AHD/CVI Analog camera
	Network Video / Audio Input	1 CH(up to 5CH)	1 CH(up to 9CH)	2 CH(up to 4CH)
	Local Audio Input	1 CH	1 CH	1 CH
Video & Audio Output	HDMI Output	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024
	VGA Output	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024
	CVBS Output	1 CH	1 CH	1 CH
	SPOT Output	Yes	Yes	Yes
	Local Audio Output	1 CH	1 CH	1 CH
	2-way Audio	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)
	Video Compression Standard	H.264	H.264	H.264
Video & Audio Encoding	Resolution	1080P Lite / 720P / WD1	1080P Lite / 720P / WD1	1080P Lite / 720P / WD1
	Recording Frame Rate	TVI/AHD/CVI: 1080P Lite/720P/WD1@30fps	TVI/AHD/CVI: 1080P Lite/720P@15fps; 720P Lite/WD1@30fps	TVI/AHD/CVI: 1080P Lite/720P@15fps; 720P Lite/WD1@30fps
	Bitrate	768Kbps-6Mbps	768Kbps-6Mbps	768Kbps-6Mbps
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U
Storage	HDD	1 HDD	1 HDD	1 HDD
	E-sata	/	/	/
Interface	Ethernet Interface	RJ45 x 1, 10M/100M self-adaptive	RJ45 x 1, 10M/100M self-adaptive	RJ45 x 1, 10M/100M self-adaptive
	RS485 Interface	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)
	USB Interface	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2
	Alarm Input	/	/	/
	Alarm Output	/	/	/
Others	Coaxial Control	Yes	Yes	Yes
	Power Supply	DC12V	DC12V	DC12V
	Power Consumption	≤ 5W (without HDD)	≤ 5W (without HDD)	≤ 10W (without HDD)
	Working Environment	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)
	Remote Controller	Yes	Yes	Yes
	Case	1U	1U	1U
Dimensions (mm)		300 × 248 × 52 (W × D × H)	300 × 248 × 52 (W × D × H)	300 × 248 × 52 (W × D × H)

S Series H.265 1080P& 5M DVR

DVR

Model		TD-2104TS-HC	TD-2108TS-HC	TD-2116TS-HC	TD-2104TS-HP	TD-2108TS-HP	TD-2116TE-HP
Picture							
Video & Audio Input	Video Input	4 CH , TVI/AHD/CVI Analog camera	8 CH , TVI/AHD/CVI Analog camera	16 CH , TVI/AHD/CVI Analog camera	4 CH , TVI/AHD/CVI Analog camera	8 CH , TVI/AHD/CVI Analog camera	16 CH , TVI/AHD/CVI Analog camera
	Network Video / Audio Input	2 CH(up to 6CH)	4 CH(up to 12CH)	8 CH(up to 16CH)	4 CH(up to 6CH)	8 CH(up to 16CH)	8 CH(up to 16CH)
	Local Audio Input	1 CH	1 CH	1 CH	1 CH	1 CH	1 CH
Video & Audio Output	HDMI Output	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 3840 × 2160 / 1920 × 1080 / 1280×1024	1 CH , 3840 × 2160 / 1920 × 1080 / 1280×1024	1 CH , 3840 × 2160 / 1920 × 1080 / 1280×1024
	VGA Output	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024
	CVBS Output	1 CH	1 CH	1 CH	1 CH	1 CH	1 CH
	SPOT Output	Yes	Yes	Yes	Yes	Yes	Yes
	Local Audio Output	1 CH	1 CH	1 CH	1 CH	1 CH	1 CH
	2-way Audio	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)
Video & Audio Encoding	Video Compression Standard	H.265+ / H.265	H.265+ / H.265	H.265+ / H.265	H.265+ / H.265	H.265+ / H.265	H.265+ / H.265
	Resolution	5MP Lite / 4MP Lite / 1080P / 1080P Lite / 720P / WD1	5MP Lite / 4MP Lite / 1080P / 1080P Lite / 720P / WD1	5MP Lite / 4MP Lite / 1080P / 1080P Lite / 720P / WD1	4K / 4K Lite / 5M / 5M Lite / 4M / 4M Lite / 1080P / 720P / WD1	4K / 4K Lite / 5M / 5M Lite / 4M / 4M Lite / 1080P / 720P / WD1	4K / 4K Lite / 5M / 5M Lite / 4M / 4M Lite / 1080P / 720P / WD1
	Recording Frame Rate	TVI/AHD: 5M Lite@10fps TVI/AHD/CVI: 4M Lite/1080P@15fps 1080P Lite/720P/WD1@30fps	TVI/AHD: 5M Lite@10fps TVI/AHD/CVI: 4M Lite/1080P@15fps 1080P Lite/720P/WD1@30fps	TVI/AHD: 5M Lite@10fps TVI/AHD/CVI: 4M Lite/1080P@15fps 1080P Lite/720P/WD1@30fps	TVI/AHD:4K@7fps; 4K Lite@15fps 5M@12fps; 5M Lite@20fps TVI/AHD/CVI: 4M@15fps 4M Lite/1080P/720P/WD1@30fps	TVI/AHD:4K@7fps; 4K Lite@15fps 5M@12fps; 5M Lite@20fps TVI/AHD/CVI: 4M@15fps 4M Lite/1080P/720P/WD1@30fps	TVI/AHD:4K@7fps; 4K Lite@15fps 5M@12fps; 5M Lite@20fps TVI/AHD/CVI: 4M@15fps 4M Lite/1080P/720P/WD1@30fps
	Bitrate	32Kbps-4Mbps	32Kbps-4Mbps	32Kbps-5Mbps	32Kbps-4Mbps	32Kbps-5Mbps	32Kbps-5Mbps
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U
Storage	HDD	1 HDD	1 HDD	1 HDD	1 HDD	1 HDD	2 HDD
	E-sata	/	/	/	/	/	/
Interface	Ethernet Interface	RJ45 x 1, 10M/100M self-adaptive	RJ45 x 1, 10M/100M self-adaptive	RJ45 x 1, 10M/100M self-adaptive	RJ45 x 1, 10M/100M self-adaptive	RJ45 x 1, 10M/100M self-adaptive	RJ45 x 1, 10M/100M self-adaptive
	RS485 Interface	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)
	USB Interface	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2
	Alarm Input	/	/	/	/	/	/
	Alarm Output	/	/	/	/	/	/
Others	Coaxial Control	Yes	Yes	Yes	Yes	Yes	Yes
	Power Supply	DC12V	DC12V	DC12V	DC12V	DC12V	DC12V
	Power Consumption	≤ 10W (without HDD)	≤ 10W (without HDD)	≤ 10W (without HDD)	≤ 10W (without HDD)	≤ 10W (without HDD)	≤ 10W (without HDD)
	Working Environment	-10 ~ 55°C , 10% ~ 90% (relative humidity)	-10 ~ 55°C , 10% ~ 90% (relative humidity)	-10 ~ 55°C , 10% ~ 90% (relative humidity)	-10 ~ 55°C , 10% ~ 90% (relative humidity)	-10 ~ 55°C , 10% ~ 90% (relative humidity)	-10 ~ 55°C , 10% ~ 90% (relative humidity)
	Remote Controller	Yes	Yes	Yes	Yes	Yes	Yes
	Case	Mini 1U Case	Mini 1U Case	Mini 1U Case	Mini 1U Case	Mini 1U Case	Mini 1U Case
	Dimensions (mm)	255× 225 × 43 (W × D × H)	255× 225 × 43 (W × D × H)	255× 225 × 43 (W × D × H)	255× 225 × 43 (W × D × H)	255× 225 × 43 (W × D × H)	255× 225 × 43 (W × D × H)

E Series H.265 1080P DVR

DVR

Model		TD-2704TS-HC	TD-2708TS-HC	TD-2716TE-HC	TD-2716TE-HC-A
Picture					
Video & Audio Input	Video Input	4 CH , TVI/AHD/CVI Analog camera	8 CH , TVI/AHD/CVI Analog camera	16 CH , TVI/AHD/CVI Analog camera	16 CH , TVI/AHD/CVI Analog camera
	Network Video / Audio Input	2 CH(Up to 6CH)	4 CH(Up to 12CH)	8 CH(Up to 16CH)	8 CH(Up to 16CH)
	Local Audio Input	4 CH	8 CH	8 CH	16 CH
Video & Audio Output	HDMI Output	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024
	VGA Output	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024
	CVBS Output	1 CH	1 CH	1 CH	1 CH
	SPOT Output	Yes	Yes	Yes	Yes
	Local Audio Output	1 CH	1 CH	1 CH	1 CH
	2-way Audio	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)
Video & Audio Encoding	Video Compression Standard	H.265+/H.265	H.265+/H.265	H.265+/H.265	H.265+/H.265
	Resolution	5MP Lite / 4MP Lite / 1080P / 1080P Lite / 720P / WD1	5MP Lite / 4MP Lite / 1080P / 1080P Lite / 720P / WD1	5MP Lite / 4MP Lite / 1080P / 1080P Lite / 720P / WD1	5MP Lite / 4MP Lite / 1080P / 1080P Lite / 720P / WD1
	Recording Frame Rate	TVI/AHD: 5M Lite@10fps TVI/AHD/CVI: 4M Lite/1080P@15fps 1080P Lite/720P/WD1@30fps	TVI/AHD: 5M Lite@10fps TVI/AHD/CVI: 4M Lite/1080P@15fps 1080P Lite/720P/WD1@30fps	TVI/AHD: 5M Lite@10fps TVI/AHD/CVI: 4M Lite/1080P@15fps 1080P Lite/720P/WD1@30fps	TVI/AHD: 5M Lite@10fps TVI/AHD/CVI: 4M Lite/1080P@15fps 1080P Lite/720P/WD1@30fps
	Bitrate	32Kbps-4Mbps	32Kbps-4Mbps	32Kbps-5Mbps	32Kbps-5Mbps
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U
Storage	HDD	1 HDD	1 HDD	2 HDD	2 HDD
	E-sata	1	1	1	1
Interface	Ethernet Interface	RJ45 x 1, 10M/100M self-adaptive	RJ45 x 1, 10M/100M self-adaptive	RJ45 x 1 10M/100M/1000M selfadaptive	RJ45 x 1 10M/100M/1000M selfadaptive
	RS485 Interface	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)
	USB Interface	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2
	Alarm Input	4	8	16	16
	Alarm Output	1	2	4	4
Others	Coaxial Control	Yes	Yes	Yes	Yes
	Power Supply	DC12V	DC12V	DC12V	DC12V
	Power Consumption	≤ 10W (without HDD)	≤ 12W (without HDD)	≤ 15W (without HDD)	≤ 15W (without HDD)
	Working Environment	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)
	Remote Controller	Yes	Yes	Yes	Yes
	Case	1U	1U	1U	1U
	Dimmensions (mm)	300 × 248 × 52 (W × D × H)	300 × 248 × 52 (W × D × H)	380 × 268 × 52 (W × D × H)	380 × 268 × 52 (W × D × H)











E Series H.265 1080P DVR

DVR

Model		TD-2716TC-HC	TD-2732TC-HC	TD-2716TD-HC	TD-2732TD-HC
Picture					
Video & Audio Input	Video Input	16 CH , TVI/AHD/CVI Analog camera	32 CH , TVI/AHD/CVI Analog camera	16 CH , TVI/AHD/CVI Analog camera	32 CH , TVI/AHD/CVI Analog camera
	Network Video / Audio Input	8 CH(Up to 16CH)	8 CH(Up to 24CH)	8 CH(Up to 16CH)	8 CH(Up to 24CH)
	Local Audio Input	16 CH	16 CH	16 CH	16 CH
Video & Audio Output	HDMI Output	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024
	VGA Output	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024
	CVBS Output	1 CH	1 CH	1 CH	1 CH
	SPOT Output	Yes	Yes	Yes	Yes
	Local Audio Output	1 CH	1 CH	1 CH	1 CH
	2-way Audio	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)
	Video Compression Standard	H.265+ / H.265	H.265+ / H.265	H.265+ / H.265	H.265+ / H.265
Video & Audio Encoding	Resolution	5MP Lite / 4MP Lite / 1080P / 1080P Lite / 720P / WD1	5MP Lite / 4MP Lite / 1080P / 1080P Lite / 720P / WD1	5MP Lite / 4MP Lite / 1080P / 1080P Lite / 720P / WD1	5MP Lite / 4MP Lite / 1080P / 1080P Lite / 720P / WD1
	Recording Frame Rate	TVI/AHD: 5M Lite@10fps TVI/AHD/CVI: 4M Lite/1080P@15fps 1080P Lite/720P/WD1@30fps	TVI/AHD: 5M Lite@10fps TVI/AHD/CVI: 4M Lite/1080P@15fps 1080P Lite/720P/WD1@30fps	TVI/AHD: 5M Lite@10fps TVI/AHD/CVI: 4M Lite/1080P@15fps 1080P Lite/720P/WD1@30fps	TVI/AHD: 5M Lite@10fps TVI/AHD/CVI: 4M Lite/1080P@15fps 1080P Lite/720P/WD1@30fps
	Bitrate	32Kbps-5Mbps	32Kbps-5Mbps	32Kbps-5Mbps	32Kbps-5Mbps
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U
	Storage	HDD	4 HDD	4 HDD	8 HDD
	E-sata	1	1	1	1
Interface	Ethernet Interface	RJ45 x 1 10M/100M/1000M selfadaptive	RJ45 x 1 10M/100M/1000M selfadaptive	RJ45 x 1 10M/100M/1000M selfadaptive	RJ45 x 1 10M/100M/1000M selfadaptive
	RS485 Interface	RS-485 x 2 (Connect to PTZ or keyboard)	RS-485 x 2 (Connect to PTZ or keyboard)	RS-485 x 2 (Connect to PTZ or keyboard)	RS-485 x 2 (Connect to PTZ or keyboard)
	USB Interface	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2
	Alarm Input	16	16	16	16
	Alarm Output	4	4	4	4
Others	Coaxial Control	Yes	Yes	Yes	Yes
	Power Supply	ATX	ATX	ATX	ATX
	Power Consumption	≤ 20W (without HDD)	≤ 30W (without HDD)	≤ 20W (without HDD)	≤ 30W (without HDD)
	Working Environment	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)
	Remote Controller	Yes	Yes	Yes	Yes
	Case	1.5U	1.5U	2U	2U
	Dimensions (mm)	440 × 393 × 70 (W × D × H)	440 × 393 × 70 (W × D × H)	430 × 450 × 89 (W × D × H)	430 × 450 × 89 (W × D × H)



E Series H.265 5MP DVR


DVR

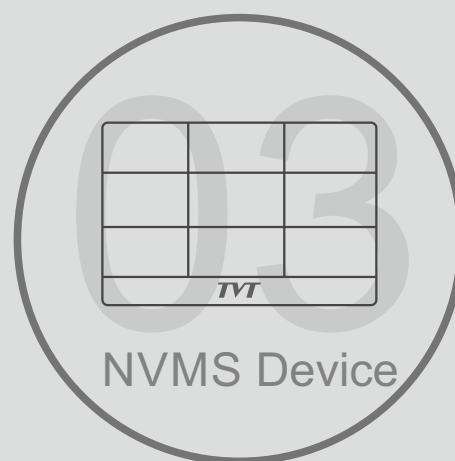
Model		TD-2704TS-HP	TD-2708TE-HP	TD-2716TE-HP	TD-2716TE-HP-A	TD-2716TC-HP
Picture		 	 	 	 	 
Video & Audio Input	Video Input	4 CH , TVI/AHD/CVI Analog camera	8 CH , TVI/AHD/CVI Analog camera	16 CH , TVI/AHD/CVI Analog camera	16 CH , TVI/AHD/CVI Analog camera	16 CH , TVI/AHD/CVI Analog camera
	Network Video / Audio Input	2 CH(up to 6CH)	8 CH(up to 16CH)	8 CH(up to 16CH)	8 CH(up to 16CH)	8 CH(up to 16CH)
	Local Audio Input	4 CH	8 CH	8 CH	16 CH	16 CH
Video & Audio Output	HDMI Output	1 CH , 3840 × 2160 / 1920 × 1080 / 1280 ×1024	1 CH , 3840 × 2160 / 1920 × 1080 / 1280 ×1024	1 CH , 3840 × 2160 / 1920 × 1080 / 1280 ×1024	1 CH , 3840 × 2160 / 1920 × 1080 / 1280 ×1024	1 CH , 3840 × 2160 / 1920 × 1080 / 1280 ×1024
	VGA Output	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024	1 CH , 1920 × 1080 / 1280×1024
	CVBS Output	1 CH	1 CH	1 CH	1 CH	1 CH
	SPOT Output	Yes	Yes	Yes	Yes	Yes
	Local Audio Output	1 CH	1 CH	1 CH	1 CH	1 CH
	2-way Audio	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)
	Video Compression Standard	H.265+ / H.265	H.265+ / H.265	H.265+ / H.265	H.265+ / H.265	H.265+ / H.265
Video & Audio Encoding	Resolution	4K / 4K Lite / 5M / 5M Lite / 4M / 4M Lite / 1080P / 720P / WD1	4K / 4K Lite / 5M / 5M Lite / 4M / 4M Lite / 1080P / 720P / WD1	4K / 4K Lite / 5M / 5M Lite / 4M / 4M Lite / 1080P / 720P / WD1	4K / 4K Lite / 5M / 5M Lite / 4M / 4M Lite / 1080P / 720P / WD1	4K / 4K Lite / 5M / 5M Lite / 4M / 4M Lite / 1080P / 720P / WD1
	Recording Frame Rate	TVI/AHD:4K@7fps; 4K Lite@15fps 5M@12fps; 5M Lite@20fps TVI/AHD/CVI: 4M@15fps 4M Lite/1080P/720P/WD1@30fps	TVI/AHD:4K@7fps; 4K Lite@15fps 5M@12fps; 5M Lite@20fps TVI/AHD/CVI: 4M@15fps 4M Lite/1080P/720P/WD1@30fps	TVI/AHD:4K@7fps; 4K Lite@15fps 5M@12fps; 5M Lite@20fps TVI/AHD/CVI: 4M@15fps 4M Lite/1080P/720P/WD1@30fps	TVI/AHD:4K@7fps; 4K Lite@15fps 5M@12fps; 5M Lite@20fps TVI/AHD/CVI: 4M@15fps 4M Lite/1080P/720P/WD1@30fps	TVI/AHD:4K@7fps; 4K Lite@15fps 5M@12fps; 5M Lite@20fps TVI/AHD/CVI: 4M@15fps 4M Lite/1080P/720P/WD1@30fps
	Bitrate	32Kbps-4Mbps	32Kbps-5Mbps	32Kbps-5Mbps	32Kbps-5Mbps	32Kbps-5Mbps
	Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U	G.711A/G.711U
	Storage	HDD E-sata	1 HDD 1	2 HDD 1	2 HDD 1	2 HDD 1
Interface	Ethernet Interface	RJ45 x 1 10M/100M selfadaptive	RJ45 x 1 10M/100M/1000M selfadaptive	RJ45 x 1 10M/100M/1000M selfadaptive	RJ45 x 1 10M/100M/1000M selfadaptive	RJ45 x 1 10M/100M/1000M selfadaptive
	RS485 Interface	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 2 (Connect to PTZ or keyboard)
	USB Interface	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2	USB2.0 x 2
	Alarm Input	4	8	16	16	16
	Alarm Output	1	2	4	4	4
Others	Coaxial Control	Yes	Yes	Yes	Yes	Yes
	Power Supply	DC12V	DC12V	DC12V	DC12V	ATX
	Power Consumption	≤ 10W (without HDD)	≤ 15W (without HDD)	≤ 30W (without HDD)	≤ 30W (without HDD)	≤ 30W (without HDD)
	Working Environment	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)	-10 ~ 55°C 10% ~ 90% (relative humidity)
	Remote Controller	Yes	Yes	Yes	Yes	Yes
	Case	1U	1U	1U	1U	1.5U
	Dimensions (mm)	300 × 248 × 52 (W × D × H)	380 × 268 × 52 (W × D × H)	380 × 268 × 52 (W × D × H)	380 × 268 × 52 (W × D × H)	440 × 393 × 70 (W × D × H)

E Series H.265 5MP&8MP DVR




DVR

Model		TD-2932TD-HP	TD-2708TE-HK
Picture			
Video & Audio Input	Video Input	32CH , TVI/AHD/CVI Analog camera	8 CH , TVI/AHD/CVI Analog camera
	Network Video / Audio Input	32 CH	8 CH(up to 16CH)
	Local Audio Input	16 CH	8 CH
Video & Audio Output	HDMI Output	1CH : 4K x 2K , 1CH : 1920 x 1080 / 1280x1024	1 CH , 3840 x 2160 / 1920 x 1080 / 1280x1024
	VGA Output	1 CH , 1920 x 1080 / 1280x1024	1 CH , 1920 x 1080 / 1280x1024
	CVBS Output	1 CH	1 CH
	SPOT Output	Yes	Yes
	Local Audio Output	1 CH	1 CH
	2-way Audio	1 CH (Take up channel one audio input)	1 CH (Take up channel one audio input)
	Video Compression Standard	H.265+ / H.265	H.265+ / H.265
Resolution	4K / 4K Lite / 5M / 5M Lite / 4M / 4M Lite / 1080P / 720P / WD1	8MP / 5MP/ 4MP / 1080P / 720P / WD1	
Recording Frame Rate	TVI/AHD:4K@7fps; 4K Lite@15fps;5M@12fps; 5M Lite@20fps TVI/AHD/CVI: 4M@15fps/4M Lite/1080P/720P/WD1@30fps	TVI/AHD: 8MP@15fps ; 5MP@20fps ; 8MP Lite/4MP/1080P/720P/WD1@30fps TVI/AHD/CVI: 4MP/1080P/720P/WD1@30fps	
Bitrate	32Kbps-5Mbps	32Kbps-8Mbps	
Audio Compression Standard	G.711A/G.711U	G.711A/G.711U	
Storage	HDD	8 HDD	2 HDD
	E-sata	2	1
Interface	Ethernet Interface	1RJ45 x 1, 10M/100M/1000M self-adaptive	RJ45 x 1, 10M/100M/1000M self-adaptive
	RS485 Interface	RS-485 x 1 (Connect to PTZ or keyboard)	RS-485 x 1 (Connect to PTZ or keyboard)
	USB Interface	USB2.0 x 2	USB2.0 x 2
	Alarm Input	16	8
	Alarm Output	8	2
Others	Coaxial Control	Yes	Yes
	Power Supply	ATX	DC12V
	Power Consumption	≤ 30W (without HDD)	≤ 30W (without HDD)
	Working Environment	-10 ~ 55°C , 10% ~ 90% (relative humidity)	-10 ~ 55°C , 10% ~ 90% (relative humidity)
	Remote Controller	Yes	Yes
	Case	2U	1U
	Dimensions (mm)	430 x 450 x 89 (W x D x H)	380 x 268 x 52 (W x D x H)





USB Alarm	
Picture	
Model	TD-Y10A
Alarm Input	16
Alarm Output	6
USB	USB2.0 X 1
Power	5V/1A
Power Consumption	≤5W
Operating Temperature	-10-50°C
Operating Humidity	10%~90%



NVMS Device

	Authentication Server	All-in-One Management Server	Transfer Server
Model	TD-A510-MS-S	TD-A510-MTC-E	TD-A510-MTS-E
Picture			
CPU	Intel Core Processor I3-6100 2C/4T 3.7GHz 3M HD Graphics P530/51W	Intel Xeon Processor E3-1225V5 4C/4T 3.3GHz 8M HD Graphics P530/80W	Intel Xeon Processor E3-1225V5 4C/4T 3.3GHz 8M HD Graphics P530/80W
OS	CentOS 7.3	Windows Server 2008 / Linux	CentOS 7.3
Memory	4GB DDR4 ECC , Up to 64GB	8GB DDR4 ECC , up to 64GB	8GB DDR4 ECC , Up to 64GB
Network card	Integrated Intel210-AT dual gigabit Ethernet server cards	Dual gigabit ports I350-T2 + Intel210-AT dual gigabit Ethernet server cards	Dual gigabit ports I350-T2 + Intel210-AT dual gigabit Ethernet server cards
HDD	1 built-in Kingston SSD/120G/SATA/6Gb/s/2.5inch/SUV400S37; 3.5/2.5inch HDD slots × 3	1 built-in Kingston SSD/120G/SATA/6Gb/s/2.5inch/SUV400S37 3.5/2.5inch HDD slots × 3	1 built-in Kingston SSD/120G/SATA/6Gb/s/2.5inch/SUV400S37; Support 3 3.5/2.5inch HDDs
PCI expansion	1*PCI-E3.0*8 (×4) ; 1*PCI-E3.0*8 ; 1*PCI-E3.0*16 (×8) ;	1*PCI-E3.0*8 ; 1*PCI-E3.0*8 (X4) ; 1*PCI-E3.0*16 (X8) ;	1*PCI-E3.0*8 ; 1*PCI-E3.0*8 (X4) ; 1*PCI-E3.0*16 (X8) ;
Management	BMC Module; Support IPMI2.0 , 1 10/100 Mbps RJ45 management port , KVM , Support remote management	BMC Module; Support IPMI2.0 , 1 10/100 Mbps RJ45 management port , KVM , Support remote management	BMC Module; Support IPMI2.0 , 1 10/100 Mbps RJ45 management port , KVM, Support remote management
Interfaces	VGA×1, USB × 6 (front panel: USB2.0×2 , real panel USB2.0×2; USB3.0×2) , network interface × 2; COM × 1 , remote management port× 1	HDMI×1, VGA ×1, USB × 6 (front panel: USB2.0x2 , real panel USB2.0x2; USB3.0x2) , network interface ×4; COM × 1 , remote management port × 1; audio input ×2; audio output ×2	VGAx1, USB × 6 (front panel: USB2.0x2 , real panel USB2.0x2; USB3.0x2) , network interface x4; COM x1 , remote management port x 1; audio input x 2; audio output x 2
Device Access	IPC, DVS, DVR, NVR, Decoder	/	/
Max. number of camera access	30000 CH	30000 CH	/
Max. number of NVR access	1024 NVRs	1024 NVRs	/
Max. decoding capability	256 CH	256 CH	/
Max. number of transfer server access	32 transfer servers	32 transfer servers	/
Max. number of storage server access	128 storage servers	128 storage servers	/
Device Group	Support	Support	/
Max. number of users	1024 users	1024 users	/
Simultaneous Online users	256 users	256 users	/
User Permission	Self-define	Self-define	/
Real-time view	Up to 100 CH real-time preview; support auto switch	Up to 100 CH real-time preview; support auto switch	/
PTZ	Support PTZ control, PTZ permission, PTZ lock, PTZ preset management	Support PTZ control, PTZ permission, PTZ lock, PTZ preset management	/
Storage type	IP SAN/streaming media storage	IP SAN/streaming media storage	/
Record type	Schedule, manual and alarm records	Schedule, manual and alarm records	/
Record search	Multi-channel synchronous search and playback	Multi-channel synchronous search and playback	/
Access bandwidth	/	600Mbps	600Mbps
Output bandwidth	/	600Mbps (live view + transfer)	600Mbps
Power	100~240V-6~3A /50~60Hz	100~240V-6~3A /50~60Hz	100~240V-6~3A /50~60Hz
Power consumption	≤300W (with HDD)	≤300W (with HDD)	≤300W (with HDD)
Working Environment	Working: 10°C to 35°C; Standby: -40°C~+70°C(ambient)	working 10°C to 35°C , standby -40°C~+70°C(ambient)	working 10°C to 35°C , standby -40°C~+70°C(ambient)
Relative Humidity	Standby: 95% (non-condensing) under 25°C~30°C	Standby: 95% (non-condensing) under 25°C~30°C	Standby: 95% (non-condensing) under 25°C~30°C
Noise	Working: <50dBA ; 6.2BA (<28°C)	Working: <50dBA ; 6.2BA (<28°C)	Working: <50dBA ; 6.2BA (<28°C)
Gross weight	Approx. 12KG	Approx. 12KG	Approx. 12KG
Dimension(mm)	430 x 487 × 44 (W× D× H)	430 x 487 × 44 (Wx Dx H)	430 x 487 x 44 (Wx Dx H)
Installation	Standard 19 inch rack mount	Standard 19 inch rack mount	Standard 19 inch rack mount






NVMS Device

	16-Disk All-in-One Server	24-Disk All-in-One Server	16-disk Network storage server	24-disk Network storage server
Model	TD-A616E-E	TD-A624E-E	TD-S316E-E	TD-S324E-E
Picture				
CPU	Intel Xeon Processor E3-1220V5 4C/4T 3.0GHz 8M/80W	Intel Xeon Processor E3-1220V5 4C/4T 3.0GHz 8M/80W	Intel Xeon Processor E3-1220V5 4C/4T 3.0GHz 8M/80W	Intel Xeon Processor E3-1220V5 4C/4T 3.0GHz 8M/80W
Chipset	Intel C232 chipset	Intel C232 chipset	Intel C232 chipset	Intel C232 chipset
OS	CentOS 7.3	CentOS 7.3	CentOS 7.3	CentOS 7.3
Memory	8GB DDR4 ECC, up to 64GB DDR4-1866/2133MHz ECC memory	8GB DDR4 ECC, up to 64GB DDR4-1866/2133MHz ECC memory	8GB DDR4 ECC, up to 64GB DDR4-1866/2133MHz ECC memory	8GB DDR4 ECC, up to 64GB DDR4-1866/2133MHz ECC memory
HDD	3.5 inch SATA× 16 (hot-pluggable); built-in 2.5 inch SATA ×2	3.5 inch SATA× 24 (hot-pluggable); built-in 2.5 inch SATA ×2	3.5 inch SATA× 16 (hot-pluggable); built-in 2.5 inch SATA ×2	3.5 inch SATA× 24 (hot-pluggable); built-in 2.5 inch SATA ×2
HDD installation	Independent HDD bracket	Independent HDD bracket	Independent HDD bracket	Independent HDD bracket
Capacity	Up to 128TB	Up to 192TB	Up to 128TB	Up to 192TB
RAID	Hardware RAID; support RAID 0, 1, 5, 6	Hardware RAID; support RAID 0, 1, 5, 6	Hardware RAID; support RAID 0, 1, 5, 6	Hardware RAID; support RAID 0, 1, 5, 6
Expansion	1*PCI-E3.0x16(x8);1*PCI-E3.0x8;1*PCE-E3.0x8(x4)	1*PCI-E3.0x16(x8);1*PCI-E3.0x8;1*PCE-E3.0x8(x4)	1*PCI-E3.0x16(x8);1*PCI-E3.0x8;1*PCE-E3.0x8(x4)	1*PCI-E3.0x16(x8);1*PCI-E3.0x8;1*PCE-E3.0x8(x4)
Network Card	Integrated I210-AT dual gigabit network cards, load balancing and if one is offline, the other will replace.	Integrated I210-AT dual gigabit network cards, load balancing and if one is offline, the other will replace.	Integrated I210-AT dual gigabit network cards, load balancing and if one is offline, the other will replace.	Integrated I210-AT dual gigabit network cards, load balancing and if one is offline, the other will replace.
IPMI	ASPEED AST2400 BMC, independent IPMI interface; support iKVM	ASPEED AST2400 BMC, independent IPMI interface; support iKVM	ASPEED AST2400 BMC, independent IPMI interface; support iKVM	ASPEED AST2400 BMC, independent IPMI interface; support iKVM
Monitor Control	Integrated display controller	Integrated display controller	Integrated display controller	Integrated display controller
Protocol	Support to get video or audio streams of IPC by TCP / UDP / RTSP protocol	Support to get video or audio streams of IPC by TCP / UDP / RTSP protocol	Support to get video or audio streams of IPC by TCP / UDP / RTSP protocol	Support to get video or audio streams of IPC by TCP / UDP / RTSP protocol
Search	Built-in index, accurate to second-level	Built-in index, accurate to second-level	Built-in index, accurate to second-level	Built-in index, accurate to second-level
Performance	Up to 740Mbps access and storage Up to 540Mbps access, 540Mbps storage and 100Mbps playback Up to 560Mbps access, 560Mbps storage and 120Mbps live view	Up to 740Mbps access and storage Up to 540Mbps access, 540Mbps storage and 100Mbps playback Up to 560Mbps access, 560Mbps storage and 120Mbps live view	Up to 740Mbps access and storage Up to 540Mbps access, 540Mbps storage and 100Mbps playback Up to 560Mbps access, 560Mbps storage and 120Mbps live view	Up to 740Mbps access and storage Up to 540Mbps access, 540Mbps storage and 100Mbps playback Up to 560Mbps access, 560Mbps storage and 120Mbps live view
Way of Management	WEB management, seamless access to NVMS	WEB management, seamless access to NVMS	WEB management, seamless access to NVMS	WEB management, seamless access to NVMS
Capability of Management	RAID management, record management, system log as well as alarm processing	RAID management, record management, system log as well as alarm processing	RAID management, record management, system log as well as alarm processing	RAID management, record management, system log as well as alarm processing
Security	Supply TPM interface, TPM Module installation supported	Supply TPM interface, TPM Module installation supported	Supply TPM interface, TPM Module installation supported	Supply TPM interface, TPM Module installation supported
Interface	1×VGA, 6×USB(4 in the real panel and 2 in the front panel), 2×RJ45, 1×IPMI, 1×RS232	1×VGA, 6×USB(4 in the real panel and 2 in the front panel), 2×RJ45, 1×IPMI, 1×RS232	1×VGA, 6×USB(4 in the real panel and 2 in the front panel), 2×RJ45, 1×IPMI, 1×RS232	1×VGA, 6×USB(4 in the real panel and 2 in the front panel), 2×RJ45, 1×IPMI, 1×RS232
Power Supply	550W 1+1redundant power supply, 100~240V-7~3.4A /50~60Hz	800W 1+1redundant power supply, 100~240V-10~5A /50~60Hz	550W 1+1redundant power supply, 100~240V-7~3.4A /50~60Hz	800W 1+1redundant power supply, 100~240V-10~5A /50~60Hz
Operating Environment	Working: 10°C to 35°C; standby: -40°C~+55°C(ambient)	Working: 10°C to 35°C; standby: -40°C~+55°C(ambient)	Working: 10°C to 35°C; standby: -40°C~+55°C(ambient)	Working: 10°C to 35°C; standby: -40°C~+55°C(ambient)
Relative Humidity	Working: < 90% RH(35°C)	Working: < 90% RH(35°C)	Working: < 90% RH(35°C)	Working: < 90% RH(35°C)
Noise	Working: < 50Dba	Working: < 50Dba	Working: < 50Dba	Working: < 50Dba
ESD	Each item conforms to Intel ambient temperature test standard 15KV	Each item conforms to Intel ambient temperature test standard 15KV	Each item conforms to Intel ambient temperature test standard 15KV	Each item conforms to Intel ambient temperature test standard 15KV

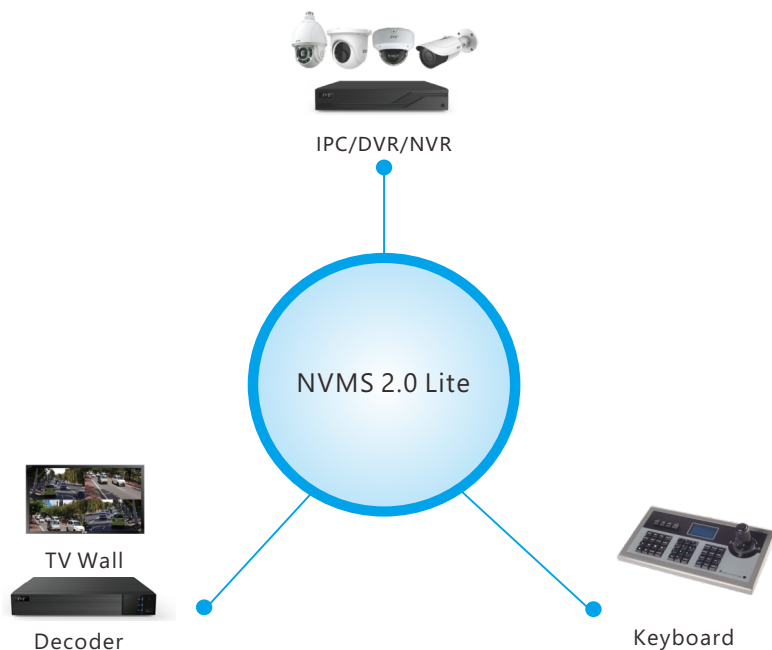
High Definition Decoder		
Model	TD-1102D	TD-1104D
Picture		
OS	Embedded Linux	Embedded Linux
Compression Format	H.265 /H.264	H.265 HP/MP/BP、H.264 HP/MP/BP
Video Input	/	HDMI×1 : 1920×1080 / 1600×1200/1680×1050/1440×900/ 1400×1050/1366×768/1280×1024/1280×960/ 1280×800/1280×720/1152×864/1024×768/800×600
Video Output	HDMI×2 HDMI1 : 1920×1080/1280×1024 HDMI2 : CVBS output	HDMI×4 : 3840×2160(odd number ports supported) / 1920×1080/1280×1024 VGA×4 : 1920×1080/1280×1024 BNC×4 : CVBS output
Frame Rate	1-25FPS/CH (PAL), 1-30FPS/CH (NTSC)	1-50FPS/CH (PAL),1-60FPS/CH (NTSC)
Decoding Resolution	8MP, 5MP, 4MP, 3MP, 1080P, 960P, 720P, WD1, D1, CIF	8MP, 5MP, 4MP, 3MP, 1080P, 960P, 720P, WD1, D1, CIF
Decoding Capability	4 CH 8MP/5MP real-time decoding; 16 CH 4MP/3MP/1080P /720P real-time decoding; 64 CH D1/CIF real-time decoding	8CH 8MP/5MP@30fps or 32 CH 4MP/3MP/2MP/1080P /720P@30fps or 128CH D1 or lower
Screen display mode	1/4/9/16	1/4/9/16
Screen Splicing mode	/	1×2,2×1,2×2
Audio output	Audio input × 1 , Audio output × 1, support two-way talk	RCA×4
Talkback	/	Audio input ×1, audio output×1 , 3.5mm audio interface (level : 2.0Vp-p , 1KΩ)
Network interface	RJ45× 2 , load balancing and hot spare	Gigabit Ethernet port ×2, load balancing and hot standby
Alarm interface	Alarm input× 8 , Alarm output × 4	Alarm input ×8; alarm output ×8
Serial Ports	/	RS485×1, Rs232×1
USB interface	USB3.0 × 1 , USB2.0 × 2	USB3.0×1 , USB2.0×1
Power Supply	DC12V	DC12V
Power Consumption	/	40W
Dimensions (mm)	380 (W) x 268 (D) x 52 (H)	380 (W) x 268 (D) x 45 (H)
Weight	2 KG	2 KG
Working Environment	-20°C ~ 50°C	Temperature: -20°C ~ 50°C; RH Humidity: 5%~95% (non-condensing)

Keyboard		
Model	TD-K11-W	TD-K23
Picture		
Display	LCD, support multi-language like Chinese, English, Polish, Spanish, Hungarian, Italian	support multi-language like Chinese, English
Operating system		Android 6.0
Screen size		10.1"IPS,1280*800
Compression Format		H.265/H.264
Protocol		TVT/Onvif 2.4
Joystick	Four Dimensional Joystick Control	Four Dimensional Joystick Control
Button	4 Functional areas	
Interface	1 x RJ45 10M/100M adaptive Ethernet interface 1 x RS485 Standard serial Interface 1 x RS232 Standard serial Interface	RJ45*1, RS485*1, RS232*1, HDMI 1.3*1,USB 2.0*1 3.5mm headphone jack*1
Control Mode	Speed dome mode / Platform mode	Device Mode / Platform mode
Network Management	Support configuration change and system upgrade by web server	
Baud rate	1200bps、2400bps、4800bps、9600bps、19200bps	
Power Supply	DC12V	DC 12V2A±10%
Power Consumption	≤8W	100mA
Standby current		≤15W
Working Temperature	-10°C ~ +60°C	10%-90%RH
Working Humidity	10%~90%	-10°C-40°C
Mean free error time		> 30000hour
Net Weight	2.8kg	
Dimension (mm)	420 × 260 × 170 (L× W× H)	

NVMS Device

		High Definition Decoder Matrix				
Model		TD-A130-8	TD-A130-12	TD-A130-16	TD-A130-20	TD-A130-24
Picture						
Video	Input	HDMI×4	HDMI×6	HDMI×8	HDMI×10	HDMI×12
	Resolution	Up to 3840×2160@30fps	Up to 3840×2160@30fps	Up to 3840×2160@30fps	Up to 3840×2160@30fps	Up to 3840×2160@30fps
	Output	HDMI×8/VGA×4/BNC×4	HDMI×12/VGA×6/BNC×6	HDMI×16/VGA×8/BNC×6	HDMI×20/VGA×10/BNC×10	HDMI×24/VGA×12/BNC×12
	Compression standard	H.264/H.265	H.264/H.265	H.264/H.265	H.264/H.265	H.264/H.265
Audio	Two-way talk input	3.5mm audio interface×4	3.5mm audio interface×6	3.5mm audio interface×8	3.5mm audio interface×10	3.5mm audio interface×12
	Two-way talk output	3.5mm audio interface×4	3.5mm audio interface×6	3.5mm audio interface×8	3.5mm audio interface×10	3.5mm audio interface×12
	Compression standard	G711 a/u	G711 a/u	G711 a/u	G711 a/u	G711 a/u
Alarm	Input	32in	48in	64in	80in	96in
	Output	32out	48out	64out	80out	96out
Network Interface		RJ45 Ethernet interface×8 (10M/100M/1000M self-adaption)	RJ45 Ethernet interface×12 (10M/100M/1000M self-adaption)	RJ45 Ethernet interface×16 (10M/100M/1000M self-adaption)	RJ45 Ethernet interface×20 (10M/100M/1000M self-adaption)	RJ45 Ethernet interface×24 (10M/100M/1000M self-adaption)
USB Interface		USB3.0×4	USB3.0×6	USB3.0×8	USB3.0×10	USB3.0×12
RS485 Interface		Rs485×4	Rs485×6	Rs485×8	Rs485×10	Rs485×12
Decoding	Decoding resolution	8MP/5MP/4MP/3MP/1080P	8MP/5MP/4MP/3MP/1080P	8MP/5MP/4MP/3MP/1080P	8MP/5MP/4MP/3MP/1080P	8MP/5MP/4MP/3MP/1080P
		960P/720P/WD1/D1/CIF	960P/720P/WD1/D1/CIF	960P/720P/WD1/D1/CIF	960P/720P/WD1/D1/CIF	960P/720P/WD1/D1/CIF
	Display resolution	HDMI1:4K(3840x2160)	HDMI1:4K(3840x2160)	HDMI1:4K(3840x2160)	HDMI1:4K(3840x2160)	HDMI1:4K(3840x2160)
		1080P(1920x1080)	1080P(1920x1080)	1080P(1920x1080)	1080P(1920x1080)	1080P(1920x1080)
		SXGA(1280x1024)	SXGA(1280x1024)	SXGA(1280x1024)	SXGA(1280x1024)	SXGA(1280x1024)
		HDMI2:1080P(1920x1080)	HDMI2:1080P(1920x1080)	HDMI2:1080P(1920x1080)	HDMI2:1080P(1920x1080)	HDMI2:1080P(1920x1080)
	Decoding capability	SXGA(1280x1024)	SXGA(1280x1024)	SXGA(1280x1024)	SXGA(1280x1024)	SXGA(1280x1024)
		VGA:1920x1080	VGA:1920x1080	VGA:1920x1080	VGA:1920x1080	VGA:1920x1080
Screen display mode	BNC:CVBS standard definition	BNC:CVBS standard definition	BNC:CVBS standard definition	BNC:CVBS standard definition	BNC:CVBS standard definition	
	16CH 8MP/5MP real time	24CH 8MP/5MP real time	32CH 8MP/5MP real time	40CH 8MP/5MP real time	48CH 8MP/5MP real time	
	64CH 4MP/3MP/1080P/720P real time	96CH 4MP/3MP/1080P/720P real time	128CH 4MP/3MP/1080P/720P real time	160CH 4MP/3MP/1080P/720P real time	192CH 4MP/3MP/1080P/720P real time	
Power Supply		AC100-240V 50/60Hz 3.0A	AC100-240V 50/60Hz 3.0A	AC100-240V 50/60Hz 3.0A	AC100-240V 50/60Hz 3.0A	AC100-240V 50/60Hz 3.0A
Power Consumption		≤120W	≤160W	≤220W	≤260W	≤300W
Working Environment		-20°C~50°C 5%~95% (non-condensing)	-20°C~50°C 5%~95% (non-condensing)	-20°C~50°C 5%~95% (non-condensing)	-20°C~50°C 5%~95% (non-condensing)	-20°C~50°C 5%~95% (non-condensing)
Dimensions (mm)		440(W)*370(D)*267(H)	440(W)*370(D)*267(H)	440(W)*370(D)*267(H)	440(W)*370(D)*267(H)	440(W)*370(D)*267(H)
Weight		22KG	22KG	22KG	22KG	22KG



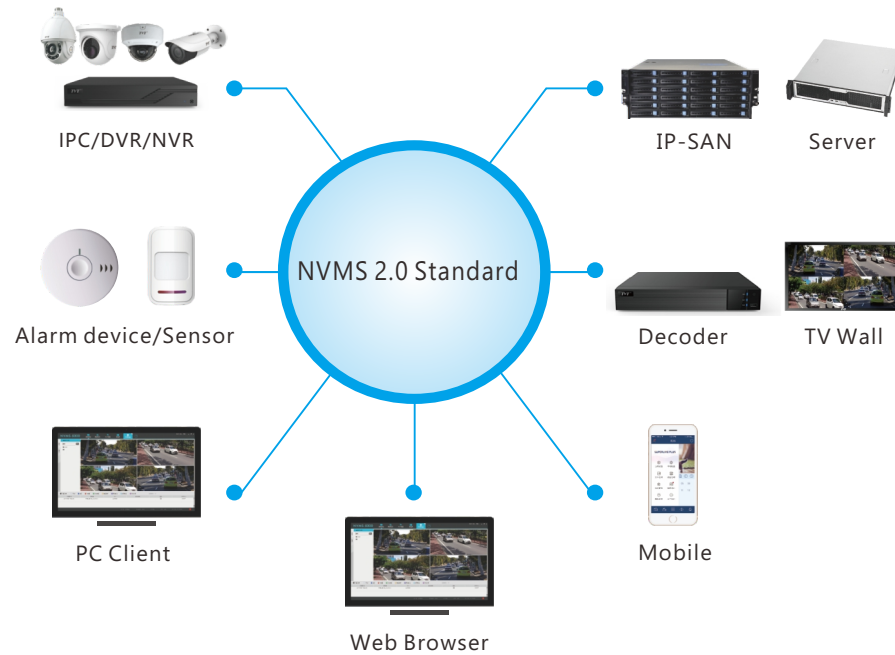


NVMS 2.0 Lite is a simply video management software , it properly supports all TVT products and other devices from the main players in global market, this new system is equipped with powerful video monitoring capability ,supports real-time preview, centralized recording, local and remote playback, backup, alarm linkage, TV wall, keyboard control, etc. Thanks to its simply GUI and flexible functionality, NVMS 2.0 Lite can meet various demands of small-sized projects.

- Support SDK integration with main players, latest ONVIF protocol
- Support TV wall
- Support network keyboard
- Support two-way talk, voice broadcast , audio surveillance
- Support image map and online e-map

NVMS 2.0 Standard

Software



NVMS Client

NVMS 2.0 Standard properly supports all TVT products and other devices from the main players in global market, this new system is equipped with powerful video monitoring capability, supports real-time preview, centralized recording, local and remote playback, backup, alarm linkage, TV wall, keyboard control, intelligent analysis, etc. NVMS 2.0 Standard can be widely used for medium-sized video surveillance system, for example, park, school, bank, chain store, commercial building and other industries.

- Various software form and flexible solution: supports Windows/Linux/Mac OS, includes pure software and embedded devices.
- Support management, storage, transfer server and decoder, as well as keyboard control
- Open Architecture design: supports Android/IOS/Windows/Linux version, as well as latest ONVIF protocol
- Support smart analytics from IPC
- Multiple Clients: B/S client, C/S client, Android, IOS client.

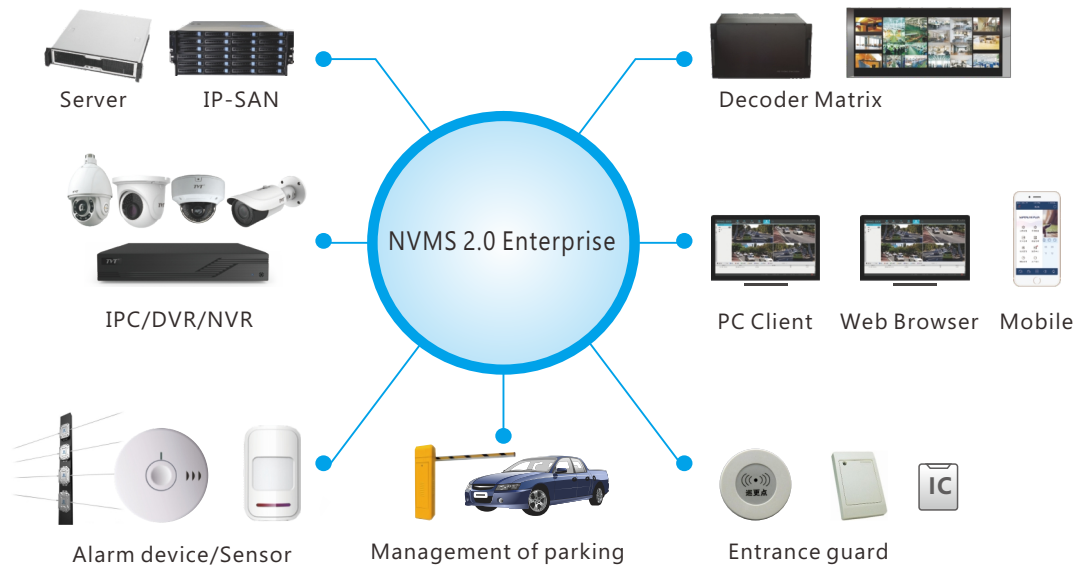


NVMS 2.0 AI is an intelligent security management platform, embedded with advanced AI algorithm . It supports TVT and third-party's face recognition devices. It can be applied to various applications based on face recognition, such as access control, entrance and exit, attendance and greeting. Additionally, it also supports intelligent behavior analysis and people counting.

- **Face Surveillance**
Support allow and block list
Support face tracking
- **Face Access Control**
Access conveniently and efficiently without IC cards
Support linkage with various electromagnetic locks
- **Face Attendance**
Support snapshot and recording tag after face recognition
Support export attendance report
- **Face Greeting**
Support audio broadcast after face recognition
Support welcome message after face recognition
- **People Counting**
Support real-time people statistics by channels or areas
Support to check and export history statistics by built chart
- **Behaviour Analysis**
Support item care , line crossing detection , area invasion detection, pepole detection ,etc.
Support to display welcome message after face recognition

NVMS 2.0 Enterprise

Software



NVMS 2.0 Enterprise is newly Comprehensive security management platform, it properly supports all TVT products and other devices from the main players in global market, this new system is equipped with powerful video monitoring capability ,supports real-time preview, centralized recording, local and remote playback, backup, alarm linkage, TV wall, keyboard control, intelligent analysis, etc. And it is built with open system architecture , can provide SDK/OCX for third party integration , such as alarm system, access control system, dynamic monitoring, door phone, , electronic fence, and other subsystem. NVMS 2.0 Enterprise can be widely used for large and medium-sized video surveillance system, for example, park, school, bank, chain store, commercial building and other industries.

- Standardized design: support ONVIF
- Support Windows SDK,OCX&iOS SDK and Android SDK for 3rd party integration
- Distributed architecture: convenient to set up multi-level surveillance network for system upgrade
- Multi-client: support B/S client, C/S client, Android and iOS mobile client
- Powerful smart analytics: support face recognition, LPR , video structuring object removal detection, abnormal video signal detection, line crossing detection, region intrusion detection, crowd density detection, people intrusion detection and people counting detection
- Comprehensive security integration : support access control system, burglar alarm system, attendance system, intercom system, electronic fence, RFID, dynamic environment monitoring and Parking system.

Mobile APP

SuperLive Plus is TVT's new generation Android&iOS Mobile APP designed for H265&H.264 DVRs/NVRs/IPC.

Fully compatible with H265&H.264

More intuitive, Finger Operation, Easy-to-Use

Push notification, Fast Response, OSD Menu on top

Multi-language self-adaptive

Efficient playback&Search, freely Zoom in/out via time bar



*Design and specifications are subject to change without notice.



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