# Broadcast Pix Mica

## Mid-sized Integrated Production Switchers

**Broadcast Pix**

new

Fluent Control

Broadcast Pix Mica is the all-in-one best in class live integrated production switcher that will simplify the creation of dynamic video content for any user. Mica systems feature Fluent Control, our patented combination of integrated workflows and powerful performance tools. Every Mica systems can be customized to perform tasks within any type of production environment or show. Experience an easier way to produce great video content with Mica.

### The Mica Series

#### Featuring New Version 5 Software

Mid-size Mica systems feature 8 multi-def SDI inputs + 1 external key cut, 6 multi-def SDI outputs + 2 DVI outputs, and 8 channels of clips and graphics. The built-in dual-channel cg and clip server holds up to 60 hours of clips including H.264, Apple ProRes and Avid DNxHD file formats. Build great content with 3 or 6 key layers each with DVEs and ClearKey chromakeyer and our one-touch virtual set studios. Seamlessly control an entire studio of production tools and devices including new Sony IP-based PTZ cameras, Matrox Monarch HD streamers/recorders and AJA KUMO Routers. Deliver 4 unique outputs, with PowerAux, with our constant low delay. Broadcast Pix Mica switchers offer incredible production power and value for any size event or show.

**CAMERAS**

**CLIPS**

**FILES**

**EFFECTS**

**EXTERNAL DEVICES**

**IPAD APP**

**1000 VIRTUAL PANEL**

**1000 CONTROL PANEL**

USE PIXPAD CONTROLS ON YOUR MULTI-VIEW, IPAD APP OR ON ANY BROADCAST PIX VIRTUAL OR CONTROL PANEL

## Fluent Control Workflows

**Multiple Cameras**: Mix HD SDI, SD SDI, 1080i, 720p, and SD formats.

**Studio Files**: Watch-folders can accept clips, animations and graphics, from studio sources, even during a live show.

**Cloud Content:** Connect anywhere using watch-folders and Dropbox, Google Drive and Microsoft OneDrive.

**Twitter, RSS, Data**: Flow directly to air or pre-screen. Graphics can be automatically updated and connected to Daktronics and OES scoreboards, as well as external databases using the Rapid CG option.

## Inputs

**External Inputs**: 8 HD/SD SDI inputs and 1 key cut

**Video Formats**: 1080i/59.94, 1080i/50, 720p/59.94, 720p/50, 480i/59.94, 576i/50, 1080p/30, 1080p/29.97, 1080p25, 1080i/60, 720p/60

**Internal Files**: 8 channels, 2 clips, 2 animations, 2 CG and 2 still stores

**Clips**: 1920x1080i, 1280x720p, 720x576i, 720x486i ProRes PX/ LT/422/HQ, H.264 .mov/.mp4, DNxHD .mov

**Graphics**: .tga, .png, .jpg, .gif, .bmp, .scribe

**Embedded Audio**: Embed analog balanced audio into any output

## External Outputs and Delivery

**Video Outputs**: 6 HD/SD SDI outputs and 2 DVI outputs

• **SDI**: 1080i: Program, Clean Feed
  1080i/720p/SD: Program, Preview, PowerAuxA, PowerAuxB, Clean Feed
• **DVI**: 2 of: 1080i Program, Preview, PowerAuxA, PowerAuxB, Clean Feed

**Multi-screen**: Simultaneously drive up to 4 screens at once

**Low Latency**: Exceptional end-to-end low latency of just 1 frame

**Lip Sync:** Mica includes our patented constant lip sync

### Mica Specifications
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**Video Processing:** 1080i

**Size**: 22.5 x 19 x 7 in / 57 x 48 x 18 cm
**Weight**: 44 lbs / 20 kg
**Power**: 500 Watts

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## Powerful Performance Tools

**Multi-Input Switcher:** 8 HD/SD SDI inputs, plus 1 input for key source and 8 channels of built-in clips and graphics. Mix 1080i, 720p, and SD video sources. 3 or 6 keyers, each with customizable DVEs and ClearKey.

**Customizable Multi-View**: Fully customizable display of up to 4 monitors. View I/O in high resolution, each key layer, file library, clock, counter, safe area and every incoming file through Broadcast Pix watch-folders.

**Patented Device Controls**: Rapid access to any file. Total control of built-in files stores, robotic cameras, keys, macros, etc.

**Fluent Macros**: Unique to Broadcast Pix, Fluent Macros easily execute any combination of video, files, and device control moves for complex effects at the push of a button. Save up to a 1000 different macros.

**Show Transfer**: Import/export entire shows, transfer between systems.
**Show Edit**: Easy PixPad edit controls of macros, clips, graphics, etc

**Dual-channel Clip Server**: Playout up to 60 hours of HD or SD clips and animations with audio.
**CG Application**: Built-in broadcast quality CG for all 6 stores.

**ClearKey Chromakeyer**: Exceptional one touch color keyer.
**Virtual Set Studios**: Create realistic virtual sets with full motion control.

**Control Surfaces**: Variety of control options include keyboard and mouse, touch-screen, iPad app, smart phone app, custom keyboard, virtual panel, 500 compact panel, 1000 panel with PixButtons and the expanded 2000 panel.

**External Device Controls**: Open API allows for seamless control of a of robotic cameras, servers, decks, routers, recorders and streamers.

### Mica Options
• ReVue: Slow Motion Sports Replay
• FX3D: Real-time 3D Graphics
• Remote panel - for outputs and macros
• Rapid LT: Action buttons + cloud data from Twitter, RSS feeds,...
• Rapid CG 3: LT + dual-channel connection to cloud-content, databases, news automation, and scoreboards
• PixPlay: slow motion control of HyperDeck or Ki Pro devices
• Quicklink TX: Skype-based live broadcasting
• Tally/GPI box with relay contact closures
• Open collector Tally outputs
• Internal GPI
• Control robotic cameras: Panasonic, Hitachi, Telemetrics, Sony, Lumens
• Control servers: 360 Systems, Harris, Omneon, AJA, Blackmagic,...
• Control routers: AJA KUMO
• Control Matrox Monarch HD recording/streaming appliances
• VOX and VOX Lite: voice-automation for radio, meetings,...
• Extended warranty and software updates
• Training and/or commissioning