MIRA +

Achieve impressive instant replays for all your live events and sports broadcasts with an extremely flexible and very powerful multi-channel replay system.

Cena:
Kategorie: Video, Produkcja, Broadcast





GALLERY IMAGES







OPIS

Easy-to-Use

Make it easy with an ergonomically-designed control surface and intuitive “heads-up” user display. Mira+ delivers remarkably fast learning curves for both novice and veteran replay operators.

Single or Dual-User Workflow

Share the load by splitting/sharing server resources—so two operators can work independently on two replay events or work in collaboration on the same replay event.

Reliable Protected Media

Ensure maximum reliability, with standard dual-redundant, hot-swappable power supplies. For ease of maintenance, all Mira servers feature hot-swappable chassis fans and media disk drives.

Flexible Configuration

Adapts to a wide variety of live production workflows, thanks to a symmetrical, multi-channel

server architecture. Mira+ servers can be fitted with 6, 8 or 12 *symmetric* video channels.

Content Sharing

Network multiple Mira+ servers via Gigabit or 10-Gigabit Ethernet, and easily share clips between multiple users.

File-Based Operations

Reduce cost and substantially streamline workflow with integrated media file import and export tools – with support for Growing File Export workflows to an external NAS.

Features

Mira Control Surface

The Mira Control Surface makes it easy to perform live slow-motion replays, and to create engaging game-break highlights that will captivate your audience.

User Application

Complementing the physical control surface is the Mira Replay software application.

Playlists & Highlights

The Mira Replay playlist management interface is fast and intuitive.

Dual-User Workflow

The architecture of Mira+ permits server resources to be split or shared, allowing more than one operator per replay server.

File-Based Workflow

Mira+ replay systems come standard with integrated media file import and export tools, which dramatically streamlines your file-based workflows.

Multi-Server Clip Sharing

Built-in Multi-Server Clip Networking feature permits operators to quickly and easily share captured media clips.

Applications

This product can be used as part of the following Smart Production Solutions:

- Sports & Live Venue
- Mobile
- Education

FEATURES	
6, 8 or 12 symmetrical HD/SD video channels (each channel can record or play)	+
No compromise – full 1080p 3G support with no channel count reduction (AVC-Intra only)	+
Up to three Ultra HD 4K channels (AVC-Intra only)	+
Support for dual-user operation on a single Mira+ server	+
Sophisticated playlist operation with advanced features	+
High-speed playlist melts to multiple export destinations before, during or after the event	+

FEATURES

“Clip Push” and “Clip Pull” for content sharing between multiple Mira+ servers via Gigabit and 10-Gigabit Ethernet networks	+
Integrated media file import/export functionality tools	+
Growing File Export of MXF files from multiple input capture (AVC-Intra only)	+
Integrated Mira Explorer and Mira GUIs and Count-Down Timer Display on HD-SDI output	+
RAID-6 media storage up to with hundreds of hours of storage at 100Mb/s	+
SSD System Disk with Windows-10 Enterprise O/S	+
Hot-swap, dual-redundant power supply	+

SUPPORTED VIDEO FORMATS

Native Video Codec:	-Choose model with one native record & play video codec- AVC-Intra model: HD@100Mb/s & 200Mb/s | UHD-4K@800Mb/s DVCPro-HD model: SD@50Mb/s | HD@100Mb/s
Ultra HD 4K Video:	2160p /50 /59.94 (AVC-Intra only)
HD Video:	**1080p** /59.94 /50 (AVC-Intra only) **1080i** /59.94 /50 **720p** /59.94 /50
SD Video:	**625i** /50 (DVCProHD only) **525i** /59.94 (DVCProHD only)

CHASSIS PHYSICAL & ELECTRICAL

Dimensions:	3RU Height / Depth = 25/6 in (65.1 cm) / Rackmount Slides included
Maximum Weight:	75 lbs. (34 kg)
Maximum Power:	<500 Watts / 100-240 VAC / 50-60Hz (Auto-sensing power input)

MIRA CONTROL SURFACE PHYSICAL & ELECTRICAL

Dimensions:	Height at front 2.0 in (5.08cm); Height at rear 3.75 in (9.5cm); Width 17.5 in (44.5cm) (without rack ears) 19 in (48.3cm) with rack ears; Depth 5.4 in (13.7cm)
Maximum Weight:	6 lbs. (2.7 kg)
Power over Ethernet (POE) Input Voltage:	100-240 ~ 0.8A 50-60Hz
Power over Ethernet (POE) Output Voltage:	56V DC 0.536A 30W – (1) Female

SAFETY & EMISSIONS

TUV

FCC Class

CE

ANALOG REFERENCE INPUT

Tri-level HD or Composite Analog SD; Terminating	75 Ω _ (1) Female BNC*

**For Mira+ servers featuring AVC-Intra video hardware: these are “High-Density BNCs”; with adapter cable to “Standard Female BNCs” provided.*

DIGITAL VIDEO INPUT

Ultra HD 4K & 1080p Video (Only with AVC-I):	HD-SDI SMPTE 424M Level A (10-bit at 3.0 Gb/s) (6), (8) or (12) Female BNC*
HD Video:	HD-SDI SMPTE 292M (10-bit at 1.5 Gb/s) (6), (8) or (12) Female BNC*
SD Video:	SD-SDI SMPTE 259M (10-bit at 270 Mb/s) (6), (8) or (12) Female BNC*

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DIGITAL AUDIO INPUTS

AES Digital Audio	8 -or 16-tracks TASCAM/AES-59 Mira+ 6CH=1 | Mira+ 8CH / Mira+ 12CH =(2) F-DB25 *(TASCAM breakout cable not included)* *Note: Maximum of 8-tracks of audio can be recorded into any given clip*
Embedded in Ultra HD 4K & 1080p Video (Only with AVC-I):	Embedded in 3G HD-SDI video inputs 8-tracks (4 stereo pairs); 48kHz at 24-bits
Embedded in HD Video:	Embedded in all HD-SDI video inputs 8-tracks; 48kHz at 24-bits per video channel
Embedded in SD Video:	Embedded in all SD-SDI video inputs 4-tracks; 48kHz at 20-bits per video channel
AES Digital Audio:	8 or 16 tracks Tascam Digital / AES59-2012 Mira 4CH = (1) or Mira 8CH = (2) Female DB25 *(TASCAM breakout cable not included)*

DIGITAL AUDIO OUTPUTS

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Embedded in Ultra HD 4K & 1080p Video (Only with 8-Channel AVC-I):	Embedded in 3G HD-SDI video output 8-tracks (4 stereo pairs); 48kHz at 24-bits
Embedded in HD Video:	Embedded in all HD-SDI video outputs 8-tracks; 48kHz at 24-bits per video channel
Embedded in SD Video:	Embedded in all SD-SDI video outputs 4-tracks; 48kHz at 20-bits per video channel
AES Digital Audio:	8 or 16 tracks Tascam Digital / AES59-2012 Mira 4CH = (1) or Mira 8CH = (2) Female DB25 *(TASCAM breakout cable not included)*

QUAD-VIEWER, COUNT-DOWN & MULTI-VIEWER DIGITAL VIDEO OUTPUTS

HD Video (Only):	HD-SDI SMPTE 292M Quad-Viewer & Count-Down output Mira+ 6CH = (1) | Mira+ 8CH = (2) | Mira+ 12CH (3) Female BNC

QUAD-VIEWER, COUNT-DOWN & MULTI-VIEWER DIGITAL VIDEO OUTPUTS

SD & HD Video:	Multi-Viewer on desktop Mira Explorer graphical user interface HDMI and DVI-D *(1920×1080 native resolution display required)*

ANALOG AUDIO MONITORING OUTPUT

Unbalanced, line-level at: –10 dBV	Mira+ 6CH: (2) | Mira+ 8 CH: (2) | Mira+ 12CH: (3) Female 3.5mm
2-Tracks (1 stereo pair) / Selectable to monitor any video channel output stereo pair	

ANALOG LTC INPUT

LTC Input (Time of Day)	Unbalanced (1) Female XLR

DATA / CONTROL

RS-422: Sony; VDCP; & Odetics protocols (M-RJ45 to F-DB9 adapters included)	(4) or (8) Male RJ45 with Female DB9 Adapters
Mini DisplayPort	*(4) F-mDP (1920×1080 native resolution display required)*
10-Gigaabit Ethernet (10-T/100-T/1000-T/10K-T) with AMP, VDCP & MIRA protocols	*(1) Female RJ45*
Ethernet with POE (10-T / 100-T) for Mira Control Surface or POE Hub / Switch	(1) Female RJ45
USB 2.0 and USB 3.0 Hi-Speed “Series A” Receptacle	Female USB-A
USB 3.1 Super-Speed “Series A” Receptacle	Female USB-A
USB-C Super-Speed “Type-C” Receptacle	Female USB Type-C

DATA / CONTROL	
QWERTY Keyboard & Mouse set (included with each Mira+ server)	USB-A