

Video Formats



- (HD) 1080p 23.98, 24, 25, 29.97, 50, 59.94
- (HD) 1080i 50, 59.94*
- (HD) 1080PsF 23.98, 24, 25, 29.97*,**
- (HD) 720p 50, 59.94
- (SD) 525i 59.94*
- (SD) 625i 50*

*Recording will be converted to progressive

**PsF input support only

Video Codec Support

- Supports H.264/MPEG-4
- 1 Mbps to 25 Mbps recorded output (TBD)

Audio Codec Support

- 4x audio compression codecs
- 2-Channel audio support for each
- up to 320 kbps (TBD)
- MPEG-4 AAC-LC

Codec Container

- .MP4

Removable Storage

- 5x USB 3.1 Gen 1 Slots
- All slots are compatible with the following standards:
 - USB 2.0
 - USB 3.0
 - USB 3.1 Gen 1
 - USB 3.1 Gen 2
- 5V 1A max current per slot

File System Support

- FAT file systems
- FAT16
- FAT32
- exFAT

Video Input

- 4x 3G-SDI BNC, SMPTE-259/292/296/424/425, 4:2:2 10-bit
- 4x HDMI standard Type A connector
- HDMI v1.4a
- 4:4:4 RGB 8, 10-bit (deep color)
- 4:2:2 YCbCr 8/10/12-bit
- 4:2:0 YCbCr 8-bit

Video Output

- 5x 3G-SDI BNC, SMPTE-259/292/296/424/425, 4:2:2 10-bit
- 1x HDMI standard Type A connector
- HDMI v1.4a
- 4:4:4 RGB 8, 10-bit (deep color)
- 4:2:2 YCbCr 8/10/12-bit
- 4:2:0 YCbCr 8-bit

Audio Input

- 4x SDI Audio
- 2-Channel, 24-bit embedded audio
- 48 kHz sample rate, synchronous
- Sample rate converted to 48 kHz internally
- 4x HDMI Audio
- 2-Channel, 24-bit HDMI embedded audio
- 32 kHz, 44.1 kHz, 48 kHz sample rates, synchronous
- Sample rate converted to 48 kHz internally
- 2x XLR input
- Line/Mic/+48V Phantom Power Mic Levels supported (selectable by rear switch)
- +24 dB full scale digital
- +/- 0.3 dBFS 20 Hz to 20 kHz response
- THD+N <= -90 dB

Audio Output

- 5x SDI embedded
- 2-Channel, 24-bit embedded audio
- 48 kHz sample rate, synchronous

- 1x HDMI embedded
- 2-Channel, 24-bit embedded audio
- 48 kHz sample rate, synchronous
- Stereo unbalanced headphone jack (1x 3.5mm jack) with volume control
- 2-Channel unbalanced 2x RCA connectors

Video Conversion

- Deinterlacing for recording
- Interlacing for playback (optional)
- PsF to progressive

Reference Input

- External, 2x BNC
- Looping, nonterminating
- Input reference formats:
 - (HD) Tri-level sync
 - 720p 59.94
 - 720p 50
 - 1080i 59.94
 - 1080i 50
 - 1080p 23.98
 - 1080PsF 23.98
 - 1080p 24
 - 1080PsF 24
- (SD) Analog composite
 - 525i 59.94
 - 625i 50

Network Interface

- 1x LAN connector (RJ-45 connector, 10/100/1000)
- Embedded web server for remote control
- Remote control via REST

User Interface

- Rotary Selector knob
- Dedicated backlit transport controls and menu buttons
- Large 1280 x 720 TFT LCD display with Video Monitor and Menu/Status Overlays

Size (w x d x h)

- 8.64" x 10.59" x 3.31" (219.46 x 268.60 x 84.08 mm)

Weight

- 5.1 lbs (2.3 kg)

Power

- Dual, redundant, 7.5A max, 40W-55W typical-90W Max
- 100-240 VAC 50/60 Hz (adapter)
- 12-18Vdc 4-pin XLR (chassis)

Environment

- Safe Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)