

# Appendix A: Specifications

---

## Video Formats

- (4K) 4096x2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (UltraHD) 3840x2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (2K) 2048x1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1080i 25, 29.97, 30
- (HD) 1080PsF 23.98, 24, 25\*, 29.97\*
  - \*NOTE: 25 and 29.97 requires Record Type>PsF selection
- (HD) 720p 50, 59.94, 60

## Codec Support

- Apple ProRes 444
- Apple ProRes 422 HQ
- Apple ProRes 422
- Apple ProRes 422 LT
- Apple ProRes 422 PX
  - \*NOTE: Apple ProRes 444 4K/UltraHD/2K/HD up to 30 fps

## Removable Storage

- 2 x slots, AJA Pak SSD media Pak256, Pak512, Pak1000\*
  - \*NOTE: 4K/UltraHD 50, 59.94, 60 ProRes HQ recording requires genuine AJA Pak1000 media

## Video Input Digital

- 4x 3G-SDI, SMPTE-292/296/424, 10-bit (12-bit input supported)
- SingleLink 4:2:2, 4:4:4 (1 x BNC)
- DualLink 4:2:2, 4:4:4 (2 x BNC)
- 4K/UltraHD 4:2:2 or 4:4:4 (4 x BNC)
- Dual Channel Fiber Input – (2 x Ports) SFPs required (not supplied)
- 1 x HDMI Standard Type A connector
- HDMI v1.4b, RGB or YCbCr
- HDMI v2.0, YCbCr, 4:2:0 only at 4K/UltraHD 50, 59.94, 60

## Video Output Digital

- 4 x 3G-SDI, SMPTE-292/296/424, 10-bit
- SingleLink 4:2:2 or 4:4:4 (1 x BNC)
- DualLink 4:2:2 or 4:4:4 (2 x BNC)
- 4K/UltraHD 4:2:2 or 4:4:4 (4 x BNC)
- Dual Channel Fiber Input – (2 x Ports) SFPs required (not supplied)
- 1 x HD-SDI monitor output with support for up to 2048x1080 4:2:2
- 1 x HDMI Standard Type A connector
- HDMI v1.4b, RGB or YCbCr
- HDMI v2.0, YCbCr, 4:2:0 only at 4K/UltraHD 50, 59.94, 60

## Audio Input Digital

- 8-channel, 24-bit SDI/Fiber embedded audio, 48kHz sample rate, Synchronous
- 8-channel, 24-bit HDMI embedded audio, 48kHz sample rate, Synchronous
- 8-channel, AES/EBU (1/2x DB-25 TASCAM pinout)

## Audio Input Analog

- 8-channel, 24-bit A/D analog audio, 48kHz sample rate (1x DB-25 TASCAM pinout)
- +24dBu Full Scale Digital
- +/- 0.2dB 20Hz to 20kHz Frequency Response

## Audio Output Digital

- 8-channel, 24-bit SDI embedded audio, 48kHz sample rate, Synchronous
- 8-channel, 24-bit HDMI embedded audio, 48kHz sample rate, Synchronous
- 8-channel, AES/EBU (1/2x DB-25 TASCAM pinout)

## Audio Output Analog

- Stereo unbalanced headphone jack (1 x 3.5mm jack) with volume control
- 2-channel unbalanced (2 x RCA connectors)
- 8-channel, 24-bit A/D analog audio, 48kHz sample rate (1x DB-25 TASCAM pinout)

## Timecode

- SDI RP188/SMPTE 12M via SDI BNC
- LTC input (1 x BNC)
- LTC output (1 x BNC)

## Reference

- Reference Loop (2 x BNC)

## Network Interface

- 10/100/1000 Ethernet (RJ-45)
- Embedded web server for remote control via REST
- Video Confidence Monitor via Web Interface
- Clip upload/download via Web Interface in DATA-LAN mode
- Configuration and Transport Control via WEB Interface

## RS-422

- 1 x DE-9 female connector, SONY 9-pin serial protocol

## User Interface

- Rotary selector knob
- Dedicated, back-lit transport controls and menu buttons
- Large 1280 x 720 TFT LCD display with Video Monitor and Menu/Status Overlays

## Power

- Dual, Redundant, 100-240 VAC 50/60Hz (adapter), 12-18Vdc 4-pin XLR (chassis), 5.4A max, 35W-60W typical-65W Max

## Size

- 8.64" x 9.34" x 3.31" (21.94cm x 23.72cm x 8.41cm)

## Weight

- 5.55 lbs (2.52 kg)

## Environment

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

## Dimensions

Dimensions in millimeters







