



KUMO 6464

The KUMO 6464 router offers an incredible 64 inputs and 64 outputs of 3G-SDI video and audio, while maintaining a slim and compact 4RU profile. KUMO 6464 has elegant and powerful web-based network control, and supports any SDI-based signal up to 3G-SDI, including HD and even 4K/UltraHD signals. Built to the same high quality standards as all AJA KUMO products, KUMO 6464 is the ideal choice for any installation where a balance of size and routing capacity are critical.

<https://www.aja.com/products/kumo-6464>



Video Formats

- 270 Mbps, 1.5 Gbps, 3 Gbps SDI
- 270 Mbps DVB-ASI
- Format agnostic, 150 Mbps - 3 Gbps

Video Input Digital

- 3G-SDI Inputs
- 64x BNC, SMPTE-259/292/424

Video Output Digital

- 3G-SDI Outputs
- 64x BNC, SMPTE-259/292/424
- Noninverting

Ancillary Data

- Passes all SDI embedded ancillary data including audio

Salvo

- Up to 8 Salvos can be configured and saved in each KUMO router

Cable Equalization

(Belden 1694A)

- 3 Gbps, up to 140m
- 1.5 Gbps, up to 200m
- 270 Mbps, up to 400m
- Automatic operation

Reclocking

- 270 Mbps, 1.483 Gbps, 1.485 Gbps, 2.966 Gbps, 2.970 Gbps - Auto Select
- All other rates are passed through and not reclocked

Switching Modes

- Single, Dual, and Quad link modes
- Switches in vertical blanking per SMPTE RP-168

Control Panel Compatibility

- AJA KUMO CP (First 32 I/O in Normal, all I/O in Dual or Quad mode) – 1RU X-Y Ethernet control panel
- AJA KUMO CP2 (Single, Dual or Quad mode) – 2RU X-Y Ethernet control panel

Reference Input

- External, 2x BNC
- Looping, nonterminating
- Blackburst or tri-level sync

Network Interface

- 1x RJ-45, 10/100/1000 Ethernet
- Supports AJA KUMO Ethernet control panels, direct connect or networked
- Basic support for Grass Valley Native Protocol
- Embedded web server for remote control

Serial Interface

- 1x DB-9 Female, RS-422
- Basic support for Grass Valley Native Protocol

- 9-pin D-connector pinout is as follows:

1	GND
2	TX-
3	RX+
4	GND
5	No Connection
6	GND
7	TX+
8	RX-
9	GND
Shell	GND

Size (w x d x h)

- 4RU - 17.4" x 1.55" x 7.00" (441.96 x 39.37 x 177.8 mm)

Weight

- 9.2 lbs (4.2 kg)

Power

- 10-14 VDC regulated, 32W typ, 36W max, power supply required, included with purchase
- AC Adapter: 100-240VAC, 50/60 Hz, universal input

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)