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

$7995 US MSRP

RS-422
RS-422 remote control via 9-pin D-connector with basic support for Grass Valley Native Protocol support

LAN Connection
RJ-45 10/100/1000 LAN Connector - internal web server, Bonjour support

USB Connection
USB port to easily configure the router IP address and simplify network configurations

Reference Input with Loop Through
The Reference Input synchronizes the router switching point per SMPTE specifications. The Reference Input supports Blackburst for SD and tri-level sync for HD

Fully Redundant AC Power Supplies
Two independent 12VDC inputs provide safe operations. Power status can be checked from a LAN attached browser

3G-SDI Inputs and Outputs
All inputs and outputs, 3G, HD-SDI, or SD-SDI
(SMPTE-259/292/424)

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)