

KUMO

Compact SDI routers.



Because it matters.

AJA[®]
VIDEO SYSTEMS

Compact SDI routers.

Compact, robust and built for critical production environments, KUMO SDI routers offer flexibility and quality that exceeds SMPTE specifications at an unprecedented price.

Cost-effective, without compromising power or flexibility, KUMO compact SDI routers provide powerful signal control and support full broadcast specifications over SDI, HD-SDI, and 3G SDI, with quality that exceeds SMPTE specifications. The super-compact 1RU and 2RU formats are just a few inches deep, making them a perfect fit for any broadcast, production, or post production environment, from mobile sports trucks and edit suites, through to corporate video installations or live theatrical A/V rigs.

Running Embedded Linux, KUMO routers are network-ready and support full HTTP control and monitoring. KUMO's internal webserver allows immediate installation, configuration, and operation with standard web browsers - so there's no need to purchase or install any additional software. The optional 1RU networkable control panel (KUMO CP) can be used in standalone or networked configurations to enable comprehensive control without the need of a computer.

KUMO routers are easily integrated with existing infrastructure utilizing the industry-standard Grass Valley Native Protocol over RS-422 or even Ethernet. Ethernet network connectivity also allows you to control all KUMO routers from any web browser on a network-connected device, ensuring you have the control you need from any location.

KUMO SDI routers are available in three configurations: KUMO 3232 supports 32 3G SDI inputs and outputs, KUMO 1616 supports 16 3G SDI inputs and outputs, and KUMO 1604 supporting 16 3G SDI inputs and 4 3G SDI outputs.

KUMO compact SDI routers offer AJA reliability, flexibility and uncompromising signal quality, all at an unprecedented price. Built to the exacting standards of all AJA hardware, KUMO products are backed by our world-class support network, 5-year international warranty and advanced exchange service.



KUMO 1604



KUMO 1616



KUMO 3232



KUMO CP

Features

Compact, powerful, reliable

Just 1RU or 2RU high and less than 2" deep, KUMO fits in the most space-constrained locations, offering flexible routing with support for SD, HD and 3G SDI I/O that exceeds SMPTE specifications.

The powerful cross-point routing matrix allows the mapping of any input to any output. Signals can also be sent to multiple outputs without the need for additional patch panels or distribution amplifiers.

Designed for critical broadcast, production and post environments, KUMO hardware uses premium components coupled with dual redundant power supplies to ensure uptime in the unlikely event of a power supply failure.



Simple installation and configuration

Running Embedded Linux, KUMO routers are network-ready and support powerful HTTP control and monitoring via a web browser - without the need for any additional software.

KUMO's auto-detect Bonjour™/Zeroconf protocols mean that network configuration is automatic, just connect KUMO to your network and the system will self-configure, ready for use. Alternatively, standard network configuration allows access to each KUMO via its assigned IP address. Once connected to KUMO using a web browser, you can configure the full TCP/IP settings, select and name KUMO routers, name sources and destinations, and perform all operational functions.



KUMO Control Panel

KUMO CP is an optional 1RU control panel that can be used in standalone or networked configurations.

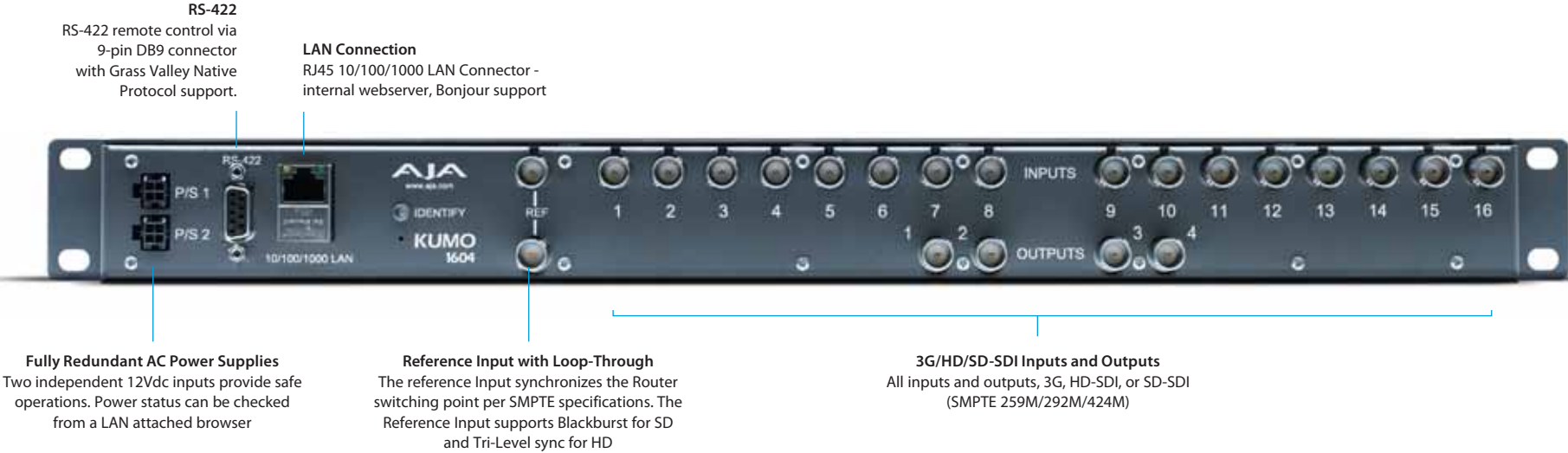
Connecting via Ethernet to the same network as the KUMO routers, KUMO CP enables full control from any location without the need for a computer. Up to four KUMO routers can be controlled from a single control panel.

For standalone configurations with KUMO CP, all KUMO hardware units can be connected together directly using standard RJ45 cables or a switch, if required. KUMO software automatically assigns routers to control panel delegations so you're ready to use the system immediately.



Connections

KUMO 1604 rear panel

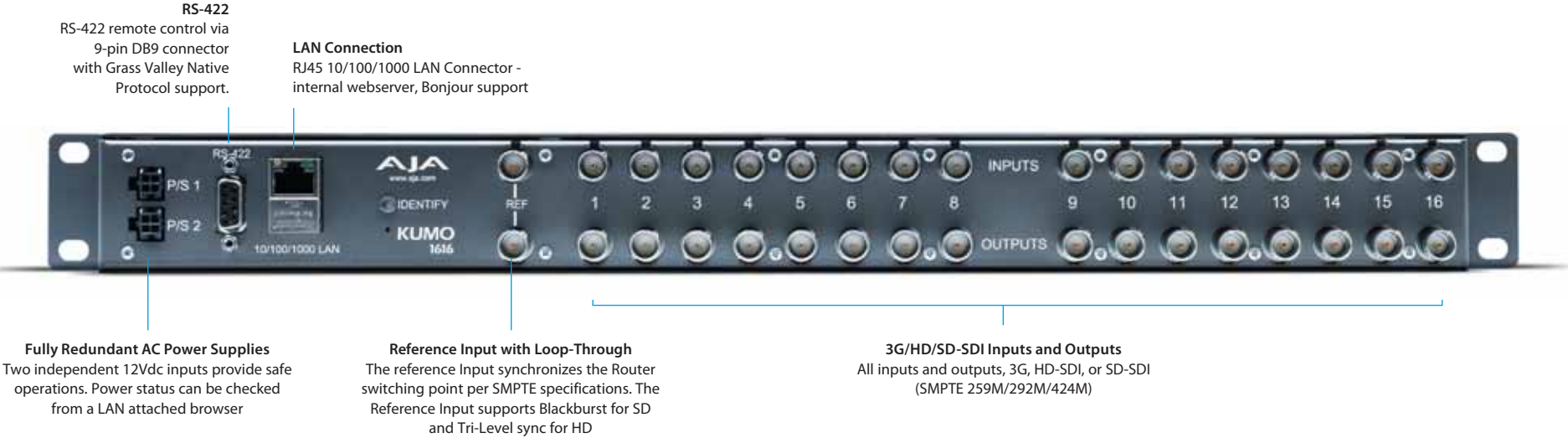


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For full product specifications visit www.aja.com/kumo/techspecs

Connections

KUMO 1616 rear panel



RS-422
RS-422 remote control via 9-pin DB9 connector with Grass Valley Native Protocol support.

LAN Connection
RJ45 10/100/1000 LAN Connector - internal webserver, Bonjour support

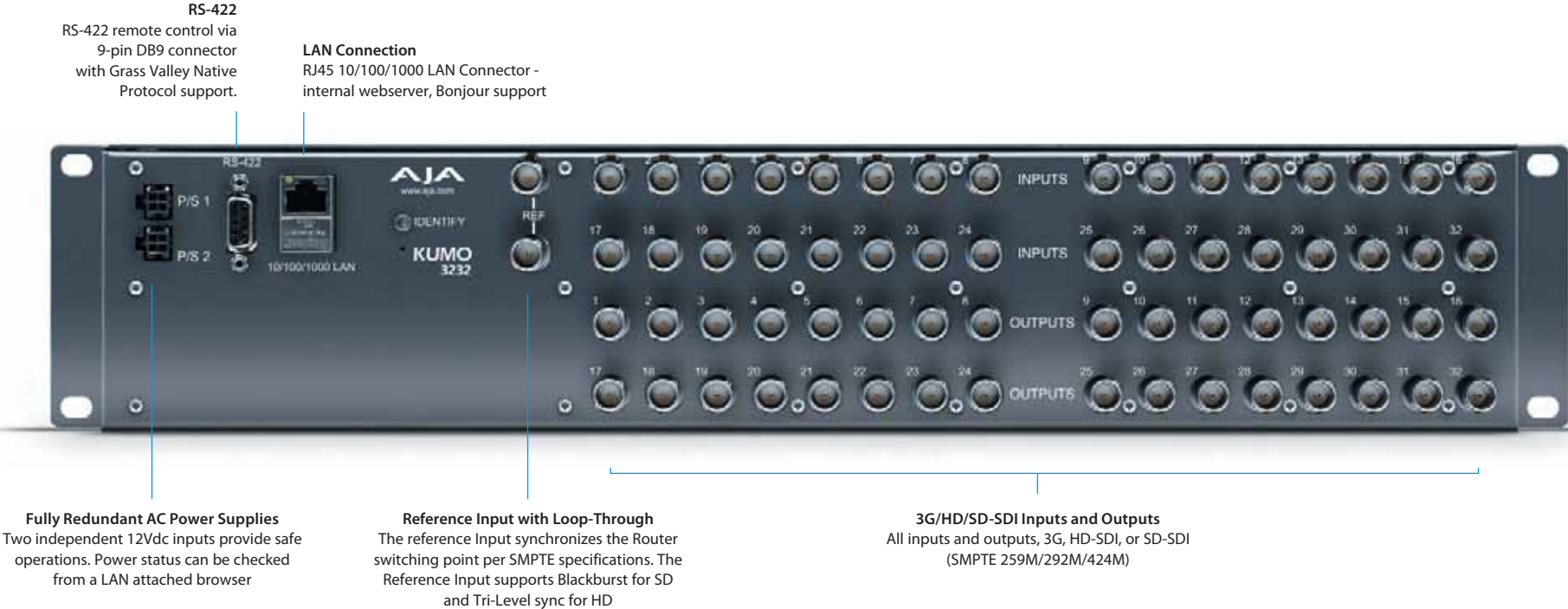
Fully Redundant AC Power Supplies
Two independent 12Vdc inputs provide safe operations. Power status can be checked from a LAN attached browser

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

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

Connections

KUMO 3232 rear panel

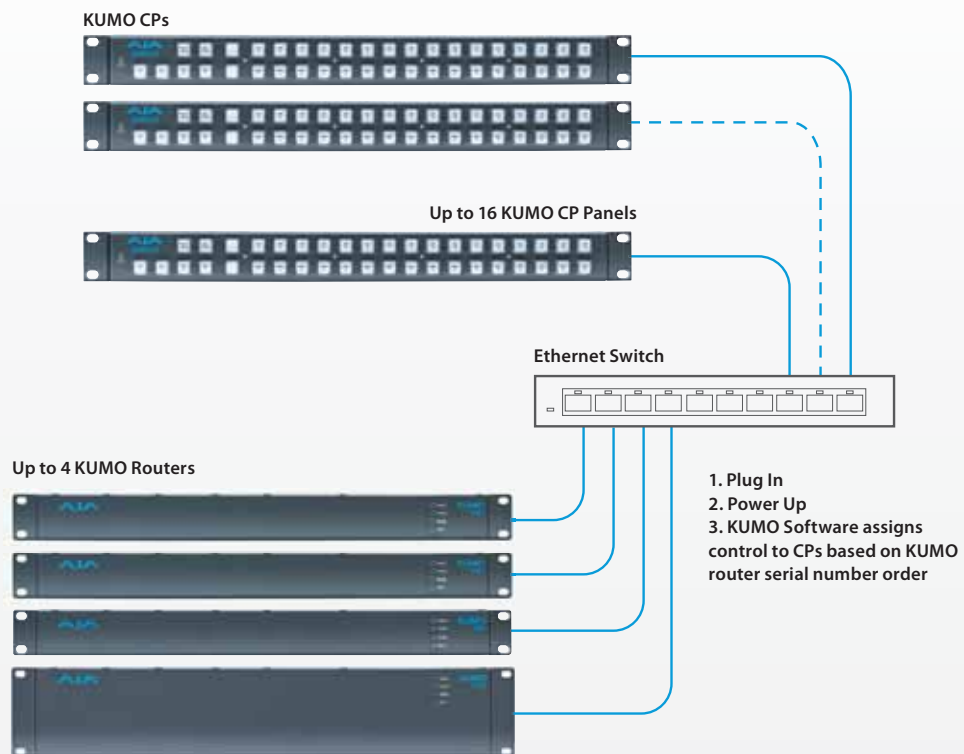


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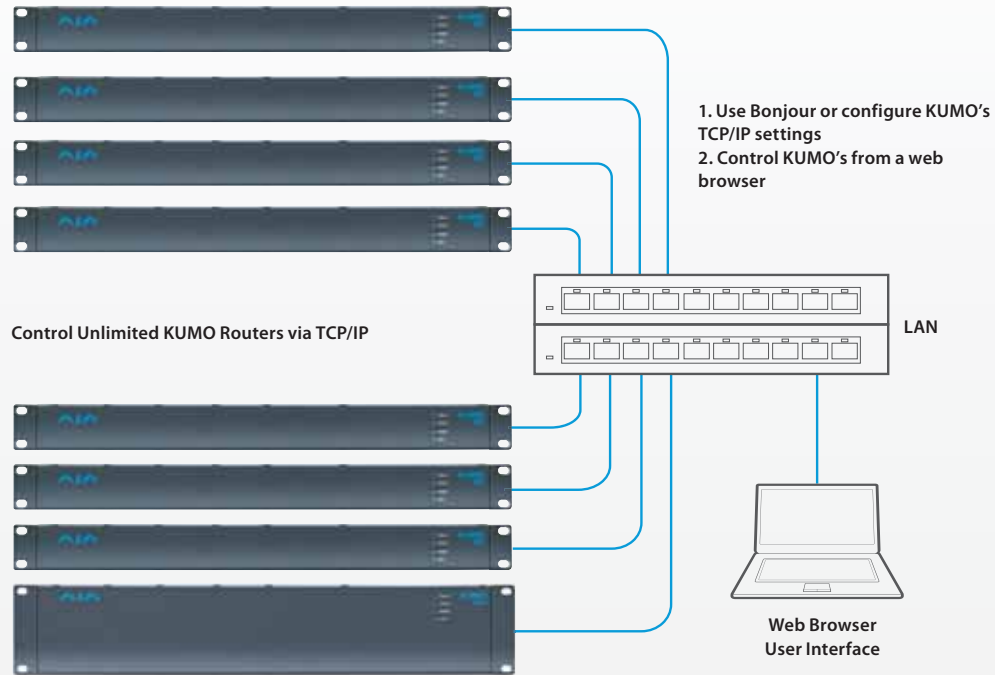
Configurations

Standalone routing system - zero configuration, just plug, power, and play

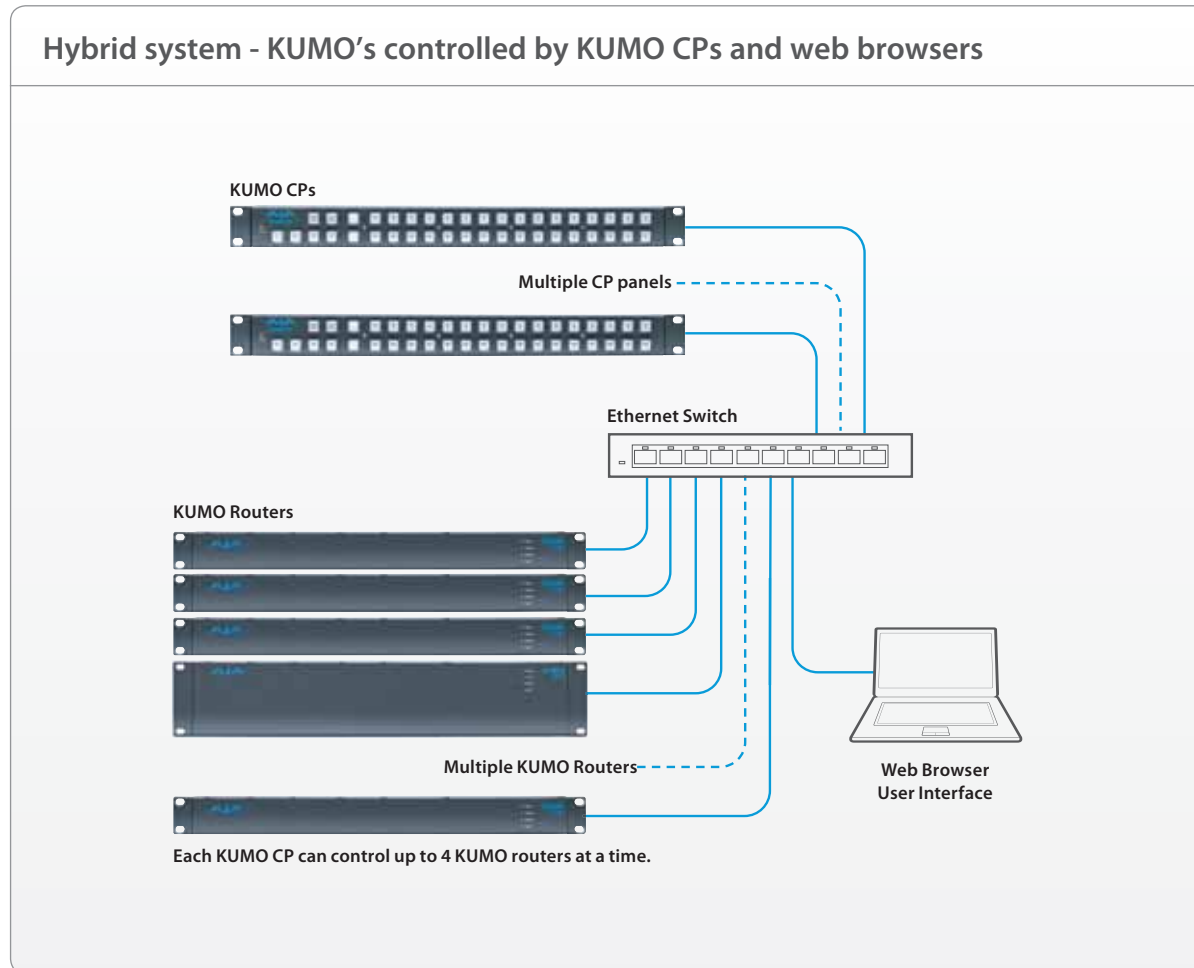


Configurations

LAN-only system - use TCP/IP to configure routers and devices



Configurations



Incredible 5-year warranty

AJA Video warrants that Converter products will be free from defects in materials and workmanship for a period of five years from the date of purchase.

About AJA Video Systems, Inc.

Since 1993, AJA Video has been a leading manufacturer of video interface and conversion solutions, bringing high-quality, cost-effective digital video products to the professional broadcast and post-production markets. AJA offers the Io and KONA desktop video products, Ki Pro family of recorders, miniature standalone converters, and a complete line of rack mount interface and conversion cards and frames.

With a headquarters and design center located in Grass Valley, California, AJA Video offers its products through an extensive sales channel of dealers and systems integrators around the world. For further information, please see our website at www.aja.com

AJA Video Systems Inc.
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B e c a u s e i t m a t t e r s .

