

MediorNet WAN J2K

The MN-WAN-J2K-SDI is a encoder/decoder system which allows the transmission of JPEG 2000 compressed Audio and Video over IP links.

Each device is configurable to take the role of either encoder or decoder.



- 1 BNC Video Input
- 2 BNC Video Outputs
- Redundant power input 12 VDC
- Alarm switch contact
- 3 USB connections (1x USB-A, 2x USB-B)
- 2 Ethernet connections



Specifications

JPEG2000	
Encoding / Decoding	
Color Depth	8 Bit, 10 Bit, 12 Bit
Color Subsampling	4:2:0, 4:2:2
Bitrate	1 ... 800MBit/s
Delay (Encoder + Decoder)	~3 frames (excl. network delay)
Supported Formats	720p50, 720p59.94, 720p60, 1080PsF23.98, 1080p23.98, 1080PsF24, 1080p24, 1080PsF25, 1080p25, 1080PsF29.97, 1080p29.97, 1080PsF30, 1080p30, 1080i50, 1080i59.94 and 1080i60
Connections	1 SDI IN 1 SDI OUT (Loopback) 2 SDI OUT SD-SDI (SMPTE 259M) and HD-SDI (SMPTE 292M)
Network Interface	1 x 10/100/1000 BaseTX, 1 x RJ45
Network Streaming	Unicast, Multicast
Audio	8 Channels Embedded Audio; 192 kHz; 32 Bit; uncompressed

Overall

Environmental Temperature	-5 °C to +40 °C (Non-condensing)
Supply Voltage	2 x 12 VDC (±10 %)
Power Consumption	13 W
Dimensions (w×h×d)	211 mm × 210 mm × 41.5 mm
Weight	1.4 kg

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Legend

- 1) Status LED
- 2) USB-A Connector
- 3) 2x RJ45 LAN Connectors
- 4) Monitoring Switch Contacts
- 5) Redundant Input Power Connectors
- 6) Reset Button
- 7) 2x USB-B Connectors
- 8) SDI Input Port
- 9) SDI Output Port (Loopback)
- 10) 2x SDI Output Ports

Status LEDs

	off	on	flashing
Power <i>(front side)</i>	No power	<i>green:</i> ready for use	<i>green every 3 seconds:</i> ready for use but not on line <i>green every second:</i> ready for use and on line, but no video stream <i>green every 0.2 seconds:</i> booting after hardware or software reset <i>red every second:</i> identifying device
Left LAN ports <i>(rear side)</i>	No network	<i>yellow:</i> network detected	<i>yellow:</i> data transmission
Right LAN ports <i>(rear side)</i>	--	<i>amber:</i> connection speed 10/100 MBps <i>green:</i> connection speed 1000 MBps	--
SDI ports <i>(rear side)</i>	Not connected	<i>green:</i> device connected, streaming (transmitter only in case of EDID reception) <i>red:</i> connection active but no device present or ready	<i>green every 3 seconds:</i> device connected, video streaming but no audio (receiver only) <i>red:</i> identifying device

Default settings

IP address	192.168.1.200
Subnet mask	255.255.255.0
Gateway	192.168.1.1
Username	admin
Password	admin