



IndigoVision

Transmitters and Receivers

IndigoVision Transmitters and Receivers allow traditional analog video cameras and monitors to be integrated into an IP network. The standalone unit is available as either a Transmitter only or as a Transmitter/Receiver. The 10-Channel Rack can take any combination of Receiver or Transmitter cards. Two levels of compression technology are available: the 9000 Series provides H.264 and the 8000 Series provides MPEG-4.



10-Channel Rack and Standalone Transmitter/Receiver

Video Performance	Full frame rate, full color: 25/30fps guaranteed		
9000 Series	H.264 (ISO14496-10) video compression		
8000 Series	MPEG-4 (ISO14496-2) video compression		
Audio Compression	MPEG-4 Advanced Audio Encoding at 16 Khz sample rate & 16 bit resolution		
Video Bit Rate	User-configurable bit rates from 32Kbps up to 4Mbps		
Resolution	SIF: 352 x 288 pixels (PAL) 352 x 240 pixels (NTSC)	2SIF: 704 x 288 pixels (PAL) 704 x 240 pixels (NTSC)	4SIF: 704 x 576 pixels (PAL) 704 x 480 pixels (NTSC)
9000 Multi-streaming		A	B
	4SIF	1 stream	1 stream
	2SIF	2 streams	2 streams
	SIF	3 streams	3 streams
8000 Multi-streaming	SIF: 3 streams; 2SIF: 2 streams; 4SIF: 1 stream		
Video Output	NTSC/PAL composite video, 75 Ohms; 1V p-p, standard BNC connector. Software decode for display to PCs		
Audio Input	Line in 3.5mm jack. Nominal voltage: 1V p-p, 16bit, 16kHz sampling; Mic 30mVp-p. Mic types: support for condensor and dynamic		
Audio Output	Line out 3.5mm jack. 1V p-p, Minimum load impedance: 32 Ohms		
Network Interface	TCP, UDP, ICMP, IGMP, SNMP, HTTP; Embedded Linux firewall; Up to 16 simultaneous unicast video users plus unlimited multicast users		
Time	Embedded real-time clock; NTP Client		
Onboard Diagnostics	Serial; network; video; events		
Regulatory	EN 55022(1994) ITE - Class A; EN 61000-3-2(1995) - Class A; EN 55024(1998) ITE immunity standard; EN 61000 3-3(1995) voltage fluctuation; CFR47(1995) Part 15 subpart B -Class A		

The following specifications differ for the standalone units (Transmitter and Transmitter/Receiver) and the 10-Channel Rack.

	Standalone Transmitter & Transmitter/Receiver	10-Channel Rack
Binary Input/Output	4 opto-isolated inputs; 2 solid state relay outputs	10 opto-isolated inputs; 10 solid state relay outputs
Dimensions	167 x 110 x 45 mm, 0.6Kg (excluding power supply)	88 x 218 x 483 mm; 3.6kg
Electrical	Operating voltage: Power over Ethernet; 24V AC/DC @ 0.25A; Power consumption: 5W (typical) 6W (max); Power supply not provided on 9000 Series boxes	Operating voltage: 3.3V DC @ 20A; Power consumption: 55W (typical) 66W (max); Dual redundant power connectors
Ethernet	IEEE802.3 and IETF: 10/100 Base-T Ethernet	10/100/1000 Base-T Ethernet; Dual redundant switch ports
Video Input	NTSC/PAL video; 75 Ohms 1V p-p, standard BNC connector; S-Video	NTSC/PAL video; 75 Ohms 1V p-p, standard BNC connector
Data Input/Output	1 Data port: RS232/RS422/RS485 up to 115.2 Kbps 1 Data/Console port: RS232 up to 115.2 Kbps	10 Data ports: RS232/RS422/RS485 up to 115.2 Kbps 1 Console port: RS232 up to 115.2 Kbps
Environmental	Operating temp.: 0 to +50°C/+32 to +122°F; Storage temp.: -20 to +70°C/-4 to +158°F; Extended temp. Option A: 0 to +65°C/+32 to +149°F ; Extended temp. Option B: -30 to +65°C/-22 to +149°F	Operating temp.: 0 to +50°C/+32 to +122°F Storage temp.: -20 to +70°C/-4 to +158°F