



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

## Specifications

Video Performance	Full frame rate, full color: 25/30fps <b>guaranteed</b>		
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)
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 condenser and dynamic		
Audio Output	Line out 3.5mm jack. 1V p-p, Minimum load impedance: 32 Ohms		
Data Input/Output	Data port: RS232/RS422/RS485 channel up to 115.2 Kbps; Console port: RS232 channel up to 115.2 Kbps		
Network Interface	TCP, UDP, ICMP, IGMP, SNMP, HTTP; Embedded Linux firewall; Up to 17 simultaneous unicast video users or 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: 5V DC @ 1.2A; Power consumption: 5W (typical) 6W (max)	Operating voltage: 3.3V DC @ 20A; Power consumption: 55W (typical) 66W (max)
Ethernet	IEEE802.3 and IETF: 10/100 Base-T Ethernet	IEEE802.3 and IETF: 10/100/1000 Base-T Ethernet
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
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 +50°C/-22 to +122°F	Operating temp.: 0 to +50°C/+32 to +122°F Storage temp.: -20 to +70°C/-4 to +158°F