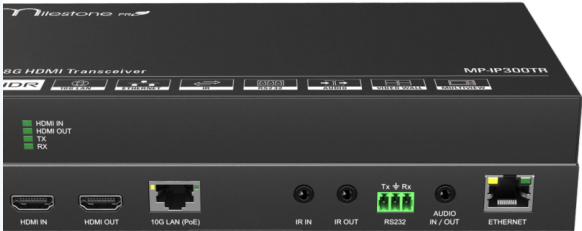


MP-IP300TR

4K IP Streaming Transceiver



Product Overview: The MP-IP300TR is a network AV transceiver designed for 4K HDMI transmission over standard 10GbE IP networks. It supports uncompressed, zero-latency video, audio and control, with flexible routing for point-to-point, point-to-multipoint and multipoint-to-multipoint systems.

Key Features

• 4K@60Hz 4:4:4 video with HDR support	• 18Gbps HDMI bandwidth; HDR10 & Dolby Vision
• Zero-latency uncompressed AV transmission	• Flexible TX / RX operation
• Video Wall up to 5 × 5 screens	• Arbitrary Multi-view layouts
• RS232, IR, 1G Ethernet & audio routing	• Compatible with SDVoE technology

System Capabilities

Mode	Application
Extender — Point-to-Point	No switch required. Transmits full uncompressed 4K@60Hz 4:4:4, 1G Ethernet, audio and control over a single copper cable.
Splitter — One-to-Many	One transmitter and a 10G Ethernet switch can distribute A/V to a near-limitless number of receivers and displays.
Matrix — Many-to-One / Many-to-Many	Scalable switching and splitting with independent routing of video, audio and control signals.

Technical Specifications

MP-IP300TR • 4K IP Streaming Transceiver

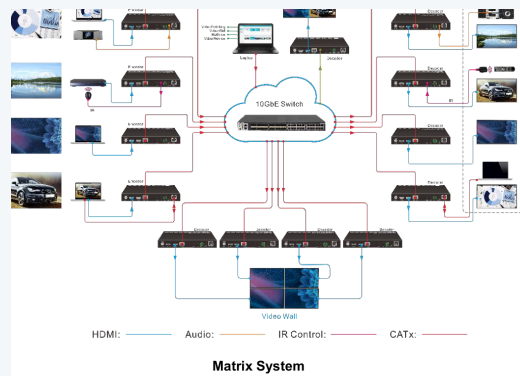
Parameter	Specification
Video Input	(1) HDMI
Video Input Connector	(1) Type-A female HDMI
HDMI Input Resolution	Up to 4K × 2K @ 60Hz, 4:4:4, 8-bit
Video Output	(1) HDMI
Video Output Connector	(1) Type-A female HDMI
HDMI Output Resolution	Up to 4K × 2K @ 60Hz, 4:4:4, 8-bit
Audio Input / Output	(1) AUDIO; configurable as input or output via software
Audio Connector	(1) 3.5mm jack
Control	10G LAN, IR IN, IR OUT, RS232, Ethernet
Control Connectors	(2) RJ45, (2) 3.5mm jack, (1) 3-pin terminal block
HDR / Video	HDR10, Dolby Vision; 18Gbps bandwidth
Network	10GbE Layer 2/3 switching; 1G Ethernet pass-through
Transmission	Up to 100m over CATx; CAT-6a recommended for 10GbE
Video Processing	Video Wall up to 5 × 5; arbitrary Multi-view; output scaling up to 4K
Power Consumption	18W (Max)
Operating Temperature	-10°C to +55°C
Storage Temperature	-25°C to +70°C
Relative Humidity	10%–90%
Dimensions (W × H × D)	230.0 × 25.0 × 120.0 mm
Net Weight	0.85 kg

Rear Panel & Interfaces



- 1V:** DC port for AC power adapter connection.
- IN:** Type-A female HDMI port to connect HDMI video source device.
- OUT:** Type-A female HDMI port to connect HDMI display device.
- LAN (PoE):** RJ45 port to connect directly to the RX or a network switch using PoE cable.
- IR IN:** 3.5mm jack to connect an IR receiver for IR routing control.
- IR OUT:** 3.5mm jack to connect an IR emitter for IR routing control.
- RS232:** 3-pin terminal block for RS232 routing control. Supports point to point and point to multipoint configuration.
- AUDIO IN/OUT:** 3.5mm jack to connect an audio source or output device.
- ETHERNET:** RJ45 port to connect control devices (such as PC) for system control.

System Diagram



Package: 1× MP-IP300TR, 2× mounting ears with 2 screws, 4× plastic cushions, 1× 3-pin terminal block and 1× user manual.

Control: IPA Manager software provides video routing, video-wall, multi-view, HDMI/analog audio, RS232, IR, device configuration, status, logs and system management.

Source: Specifications and visuals are based directly on the supplied MP-IP300TR User Manual, Version MP-IP300TR_2026V1.3.