MaxColor™ 4K60 Series 1 Transmitter

MC-TX1

Just Add Power
AV over IP Solutions

The MaxColor™ 4K60 Series 1 Transmitter natively supports 4K60 input, allowing you to distribute 4K UHD video from the growing number of 4K sources with no downscaling or subsampling. With MaxColor, 4K60/4:4:4/36-bit video can be distributed over a 1Gb managed network using existing Cat 5e/Cat 6 cable, eliminating the expense of upgrading to fiber and buying costly network switches.

Use MaxColor 4K60 Transmitters and Receivers to create your new system, or bridge them to a system with 3G Ultra models to support a variety of source and screen formats.

Features

Audio	Supports all lossless audio formats
Color Depth	Supports deep color up to 36-bit
HDR Support	HDR10, HDR10+, HLG, Dolby Vision, and SDR
Integrated Endpoint Control	Control endpoints with CEC, IR, RS232
Image Pull	Preview an image from any source or display, in any web browser or control system, at up to 30 fps
Scalability	Fully compatible with all MaxColor products. Can run parallel and or be bridged with all 3G Ultra models ***Bridging requires additional hardware***
Supported Resolution	Computer and video resolution 4K60 @ 4:4:4

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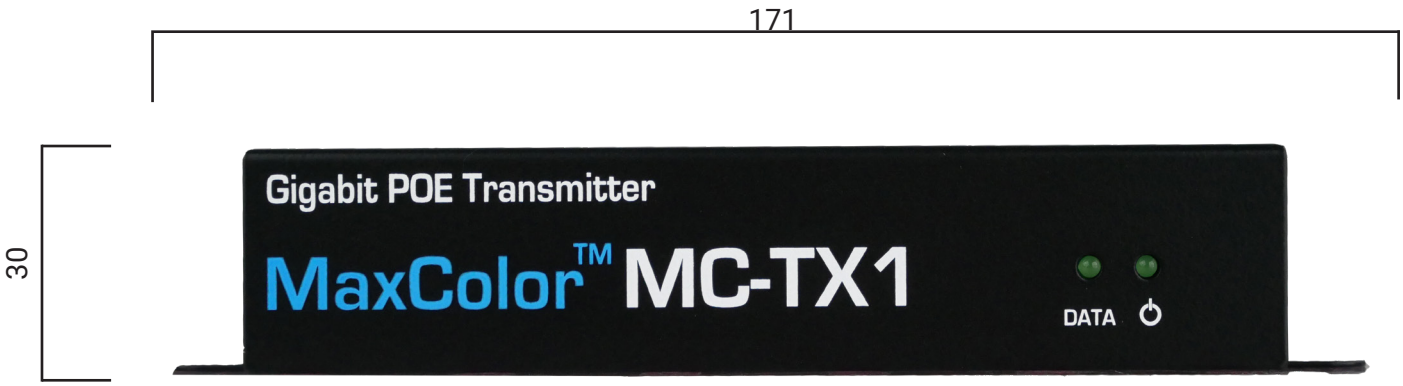
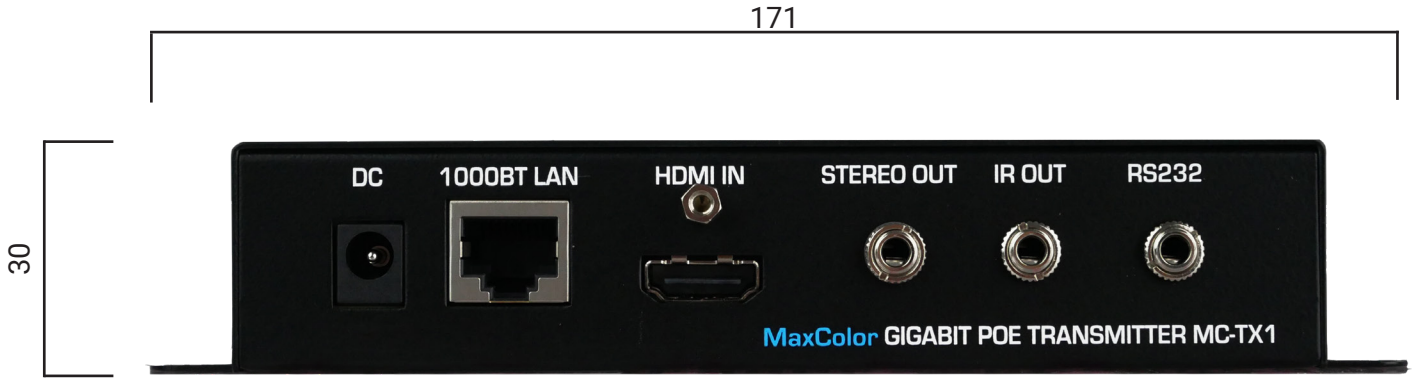
Front of Device:



All measurements in millimeters (mm)

Back of Device:



All measurements in millimeters (mm)

Specifications

Bandwidth	850 Mbps
Compliance	FCC/CE/ROHS Compliant
Dimensions & Weight	171x30x127 mm 1-lb/0.45-kg
Encryption	AES256 Hardware Based Crypto Engine HDCP 2.2/2.3
Operating Temp	0-60 °C / 32-140 °F
POE	802.3af (standard) 15 watts maximum
Ports	1x RJ45 (1GbE Gigabit Ethernet LAN) 1x HDMI (Input-TX, RX-Output) 3x 3.5mm (Stereo Out, IR Out, 2-Way RS232)
Power Supply (not included)	DC5~18V, 15W 5.5mm/2.1mm, positive tip
Supported Audio & Video	**Audio:** Up to Dolby Atmos, DTS:X, HD/HBR Audio, 12-channel LPCM **Video:** Up to 4K60 with 36-bit color YCbCr444/422/420, RGB444, ICtCp444 HDR10, HDR10+, HLG, Dolby Vision, SDR

MaxColor™ 4K60
Product Line Specifications

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Specifications

Encoding/Decoding

Video Codec	AGIC-G3 Proprietary Visually Lossless Video Codec
Audio Codec	Proprietary I2S Lossless Audio Codec
Bit Rates	850 Mbps
Latency	Ultra-low latency 16ms @ 4K60 & 1080p60 33ms @ 4K30
Streaming Protocols	IP, UDP, TCP, ICMP, IGMP, MPJEG
Copy Protection	HDCP 2.2 & 2.3 , AES-256 Encryption

Video

Maximum Resolutions	High Dynamic Range HDR10+ and Dolby Vision 4K60 4:4:4 HDR 12-bit 4K30 4:4:4 HDR 12-bit 1080p60 4:4:4 HDR 12-bit
Input Signal Types (Encoder)	HDMI
Output Signal Types	HDMI
Scaler (Decoder)	720p up to 4K30 with many options inbetween

Audio

Input Signal Types	HDMI
Output Signal Types	HDMI, Analog Stereo
Digital Formats	Dolby Atmos, DTS:X, Dolby TrueHD, DTS-HD, Dolby Digital, Dolby Pro Logic, DTS, LPCM up to 8 channels
Analog Formats	Stereo 2-channel up to 192 kHz
Audio Return Channel	ARC

Power

Power Consumption	10 watts maximum

Compliance

CE, FCC, RoHS

Communication & Control of External Devices

Ethernet	1Gb RJ-45 for control and AV Shared SFP for control and AV
USB	USB 2.0
Serial/RS-232	Bi-directional control and monitoring
HDMI	CEC, EDID (Transmitter)
Infrared (IR)	Native

Connectors

LAN	8-pin female RJ-45 1000Base-T SFP female POE (802.3af)
HDMI Input	HDMI Type A female
HDMI Outputs (Transmitter loopout & Receiver output)	HDMI Type A female
RS232	3.5mm female
Stereo Output	3.5mm female
USB (Receiver)	USB Type-C female (x2)
USB (Transmitter)	USB Type-C female (x1)
Infrared (IR)	3.5mm female

Environmental

Cooling	Convection / no fan (no moving parts)
Temperature	0-60 C / 32-140 F
Heat Dissipation	34 BTU/hr
Acoustic Noise	0 dBA