

# MaxColor™ 4K60 Series 2 Transmitter

MC-TX2

Just Add  
**Power**  
AV over IP Solutions

## 4K60 Transmitter with KVM Support, Audio Return Channel & Fiber Port Connection

The MaxColor™ 4K60 Series 2 Transmitter includes everything you love about the MaxColor Series 1 Transmitter, but now with KVM support, audio return channel (ARC), and a fiber port connection. The MC-TX2 Transmitter natively support 4K60Hz in and out, allowing end users to play High Dynamic Range video, including Dolby Vision and HDR10+ formats, using the growing number of Ultra 4K sources and devices. With MaxColor Series 2, 4K60/4:4:4/36-bit color video can be distributed over a 1Gb managed network using existing CatX (Cat5e minimum) cable, or over 10g fiber cable, so that you can take advantage of using the cable that best fits your project.

The new ARC feature allows you to easily send audio from a TV connected to a MaxColor 2 Receiver and send the audio across the network to another MaxColor 2 Receiver connected to an audio video receiver or another ARC enabled amplifier - making project design even easier and more flexible.

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

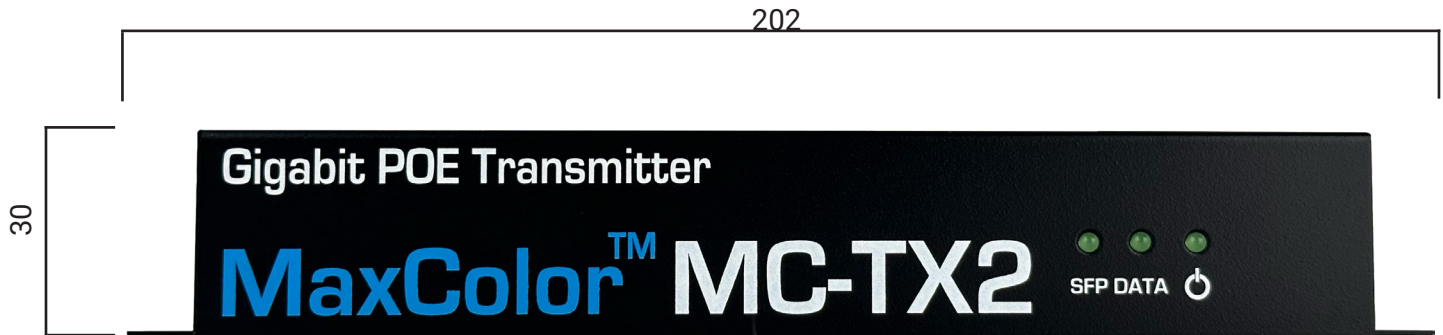
<b>Audio</b>	Supports all lossless audio formats Audio Return Channel (ARC)	<b>Image Pull</b>	Preview an image from any source or display, in any web browser or control system, at up to 30 fps
<b>Color Depth</b>	Supports deep color up to 36-bit	<b>KVM Support</b>	Provides local and remote access to all computers on the system with built-in keyboard, mouse, touchscreen, and webcam interface
<b>HDR Support</b>	HDR10, HDR10+, HLG, Dolby Vision, and SDR	<b>Scalability</b>	Fully compatible with all MaxColor products. Can run parallel and or be bridged with all 3G Ultra models <i>Bridging requires additional hardware</i>
<b>Integrated Endpoint Control</b>	Control endpoints with CEC, IR, RS232	<b>Supported Resolution</b>	Computer and video resolution 4K60 @ 4:4:4

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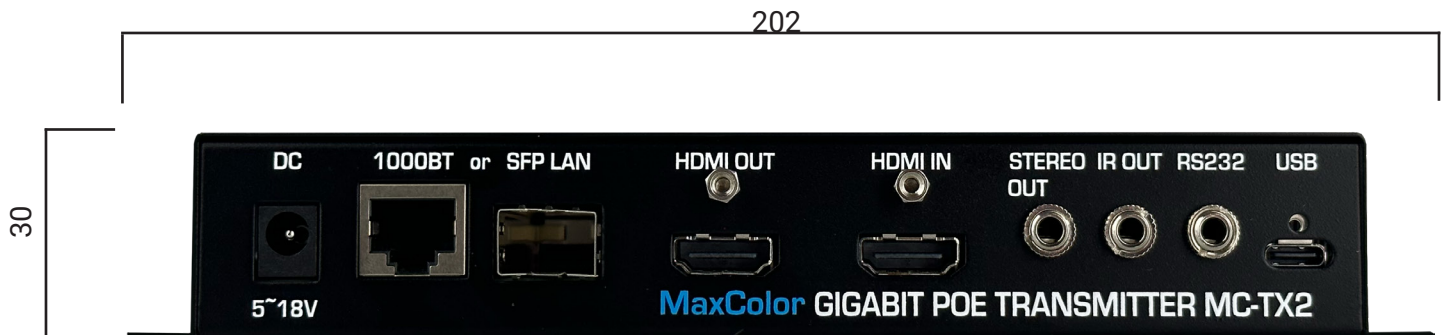
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## Front of Device:



All measurements in millimeters (mm)

## Back of Device:



All measurements in millimeters (mm)

## Specifications

<b>Bandwidth</b>	850 Mbps	<b>POE</b>	802.3af (standard) 15 watts maximum
<b>Compliance</b>	FCC/CE/ROHS Compliant	<b>Ports</b>	1x RJ45 (1GbE Gigabit Ethernet LAN) 1x Shared SFP (1 GbE Gigabit Ethernet LAN) 1x HDMI Input 1x HDMI Output (Loopout splitter) 3x 3.5mm (Stereo Out, IR Out, 2-Way RS232) 1x USB 2.0 Type-C
<b>Dimensions &amp; Weight</b>	202x30x131 mm 1.2-lb/0.54-kg	<b>Power Supply (not included)</b>	DC5~18V, 15W 5.5mm/2.1mm, positive tip
<b>Encryption</b>	AES256 Hardware Based Crypto Engine HDCP 2.2/2.3	<b>Supported Audio &amp; Video</b>	<b>Audio:</b> Up to Dolby Atmos, DTS:X, HD/HBR Audio, 12-channel LPCM <b>Video:</b> Up to 4K60 with 36-bit color YCbCr444/422/420, RGB444, ICtCp444 HDR10, HDR10+, HLG, Dolby Vision, SDR
<b>Operating Temp</b>	0-60 °C / 32-140 °F		

# MaxColor™ 4K60

## Product Line Specifications

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## Specifications

### Encoding/Decoding

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

### Video

<b>Maximum Resolutions</b>	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
<b>Input Signal Types (Encoder)</b>	HDMI
<b>Output Signal Types</b>	HDMI
<b>Scaler (Decoder)</b>	720p up to 4K30 with many options inbetween

### Audio

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

### Power

<b>Power Consumption</b>	10 watts maximum
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### Compliance

CE, FCC, RoHS

### Communication & Control of External Devices

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

### Connectors

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

### Environmental

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