MaxColor™ Series MC-TX2

Just Add Power
AV over IP Solutions

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

The MaxColor™ 4K60 MC-TX2 Encoder adds powerful new capabilities, including KVM support, Audio Return Channel (ARC), and an integrated fiber port. It natively supports 4K60Hz input and output, enabling playback of High Dynamic Range content—such as Dolby Vision and HDR10+.

MaxColor Series 2 allows high-bandwidth video to be distributed over a standard 1Gb managed network using existing Cat5e/Cat6 cabling, or over fiber, giving you the flexibility to choose the infrastructure that best fits your project.

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Video

Maximum Input	4096x2160, 60fps, 36-bit color depth, YUV422 4096x2160, 60fps, 24-bit color depth, YUV444 2560x1440, 60fps 2560x1080, 120fps 1920x1080, 60fps, 36-bit color depth, YUV444
Maximum Output	4096x2160, 60fps, 36-bit color depth, YUV444
Dynamic Range	SDR, HLG, HDR10, HDR10+, Dolby Vision
HDMI Standard	HDMI 2.0b/2.1
EDID Management	Default, Built-in, Custom, and Captured

Compliance

Certification	FCC/CE/ROHS/RCM
HDCP Compliance	2.2, 2.3

Endpoint Control

Endpoint Control Features	Serial Pass-through, Serial over IP, IR over IP, and CEC over IP

Image Pull

Format & Video Sub-stream	JPEG & mJPEG
Maximum Framerate	30 fps

USB (KVM)

USB Standard	USB 2.0
USB Features	Keyboard, Mouse, Touchscreen Pass-through, Webcam and Microphone Pass-through

Audio

Supported Audio	All Audio Formats Audio Return Channel (ARC)
Stereo Audio Maximum Sample Rate	192kHz

Network

Maximum Bandwidth	850 Mbps
Average Bandwidth	850 Mbps
Video Codec	Proprietary AGIC-G3 Visually Lossless
Audio Codec	Proprietary I2S Lossless
Encryption	AES-256 Hardware Based Crypto Engine

MC-TX2 Specifications

Dimensions	202 x 30 x 131 mm 8.0 x 1.2 x 5.2 inch
Weight	0.57 kg / 1.3 lb
Ports	RJ-45 (1Gb Network) Shared SFP (1Gb Network) HDMI In 3.5mm Stereo Out 3.5mm IR Out 3.5mm 2-Way RS232
Power Supply	5V-18V, 10W 5.5mm/2.1mm, positive tip
Operating Temp	0-60 °C / 32-140 °F
Device Type	Encoder
POE	IEEE 802.3af (15.4W)
Release Date	February 2023

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Front of Device:

All measurements in millimeters (mm)

Back of Device:

All measurements in millimeters (mm)

Bottom of Device:

All measurements in millimeters (mm)

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Video

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Dynamic Range	SDR, HLG, HDR10, HDR10+, Dolby Vision
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Power Supply	5V-18V, 10W 5.5mm/2.1mm, positive tip
Operating Temp	0-60 °C / 32-140 °F
Device Type	Encoder
POE	IEEE 802.3af (15.4W)
Current Version Release Date	

Previous Hardware Version:

H1: Manufacture Dates: February 2023 -

See page 4 for specifications.

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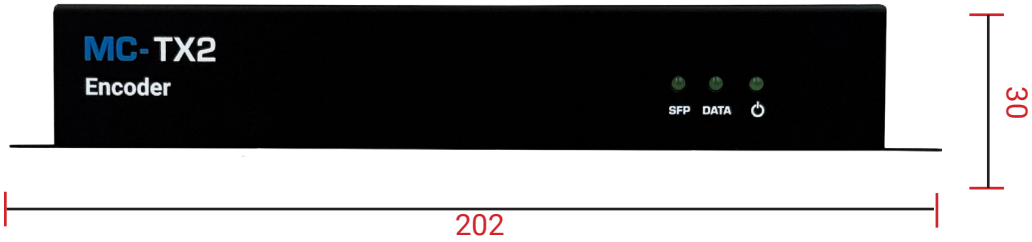
Front of Device:



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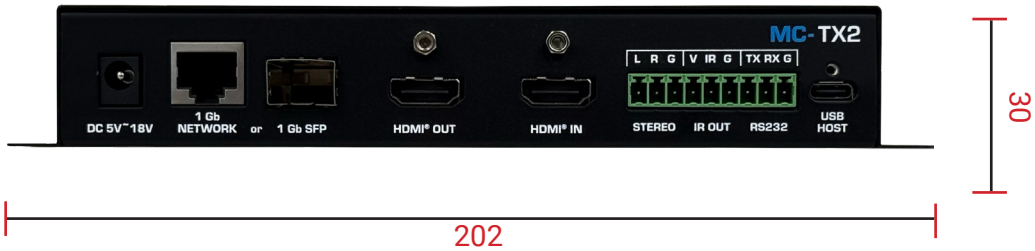
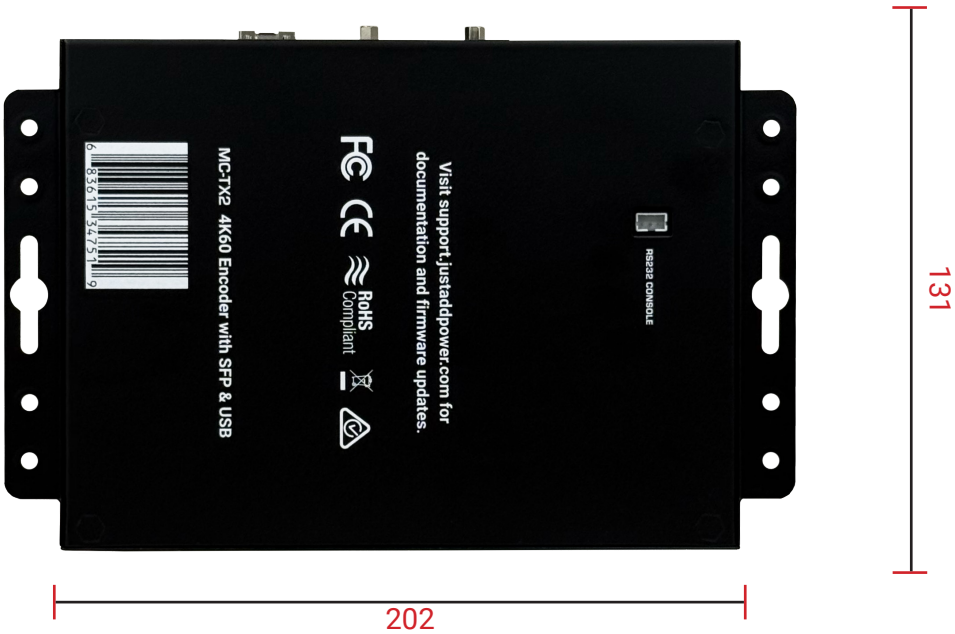


Bottom of Device:



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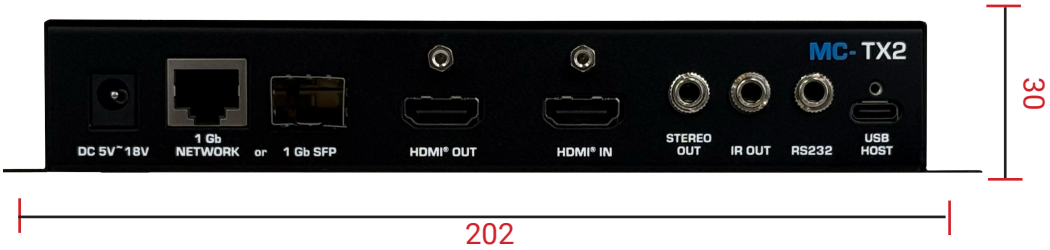
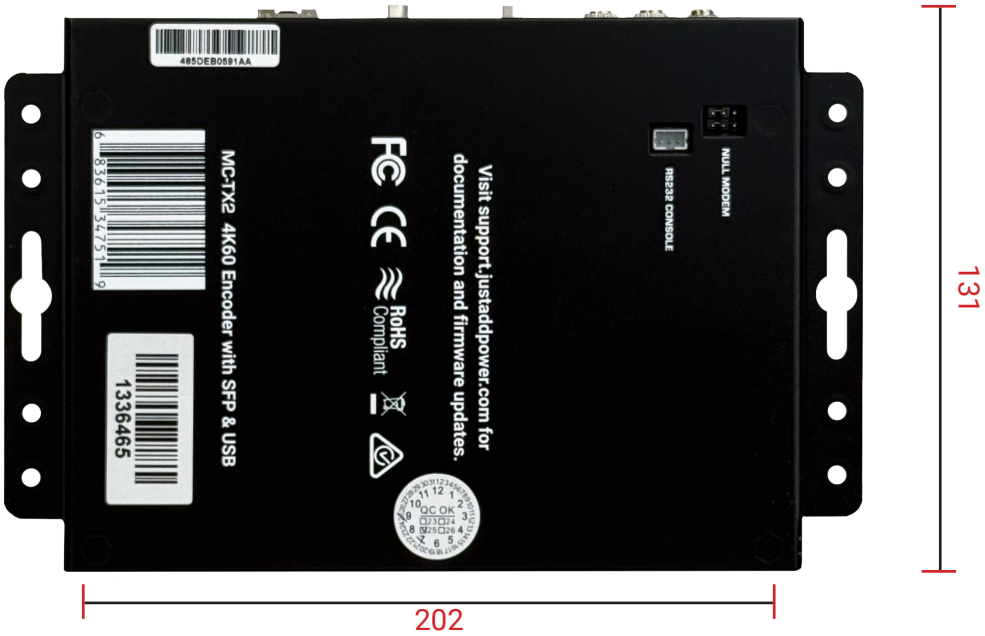
MC-TX2 Previous Hardware Version H1

Manufacture Dates: February 2023 -

H1 Back of Device:



H1 Bottom of Device:



Specifications

H1 Ports	RJ-45 (1Gb Network) HDMI In 3.5mm Stereo Out 3.5mm IR Out 3.5mm 2-Way RS232
Dimensions & Weight	171 x 30 x 127 mm 6.7 x 1.2 x 5.0 inch 0.47 kg / 1.0 lb
Power Supply (not included)	4.7-23V, 10W 5.5mm/2.1mm, positive tip

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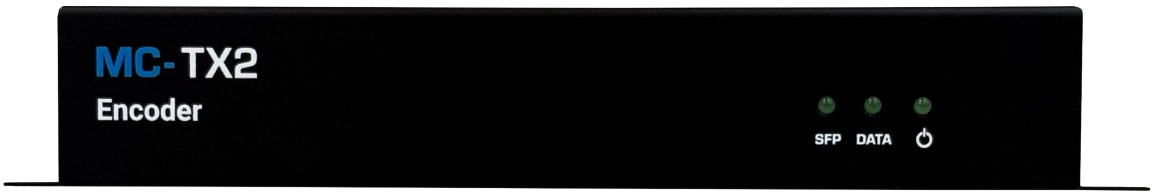

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