MaxColor™ Series MC-RX2

Just Add Power
AV over IP Solutions

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

The MaxColor™ 4K60 MC-RX2 Decoder adds KVM support, audio return channel (ARC), and a fiber port connection. The MC-RX2 Decoder natively support 4K60Hz in and out, allowing end users to play High Dynamic Range video, including Dolby Vision and HDR10+ formats.

With the MC-RX2, 4K60/4:4:4/36-bit color video can be distributed over a 1Gb managed network using existing Cat 5e/Cat 6 cable, or over fiber cable, so that you can take advantage of using the cable that best fits your project.

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All specifications subject to change without notice.

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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
Video Scaler	720p to 2160p60, 30x up, 1/2 down

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

On-Screen Graphics

OSD	On-Screen Display
Image Pop	Graphic Overlay
Image Pull	Generate Live Video Thumbnail
Image Push	Display Custom Background Image When No Video is Showing

USB (KVM)

USB Standard	USB 2.0
USB Features	Keyboard, Mouse, Touchscreen Pass-through, Webcam and Microphone Pass-through
USB Hotkeys	Allows a USB keyboard or mouse to control system functions

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-RX2 Specifications

Dimensions	196 x 30 x 131 mm 7.7 x 1.2 x 5.2 inch
Weight	0.55 kg / 1.2 lb
Rear Side Ports	RJ-45 (1Gb Network) Shared SFP (1Gb Network) HDMI Out 3.5mm Stereo Out 3.5mm IR Out 3.5mm 2-Way RS232
Front Side Ports	2x USB-C 2.0
Power Supply	5V-18V, 10W 5.5mm/2.1mm positive tip
Operating Temp	0-60 °C / 32-140 °F
Device Type	Decoder
POE	IEEE 802.3af (15.4W)
Release Date	February 2023

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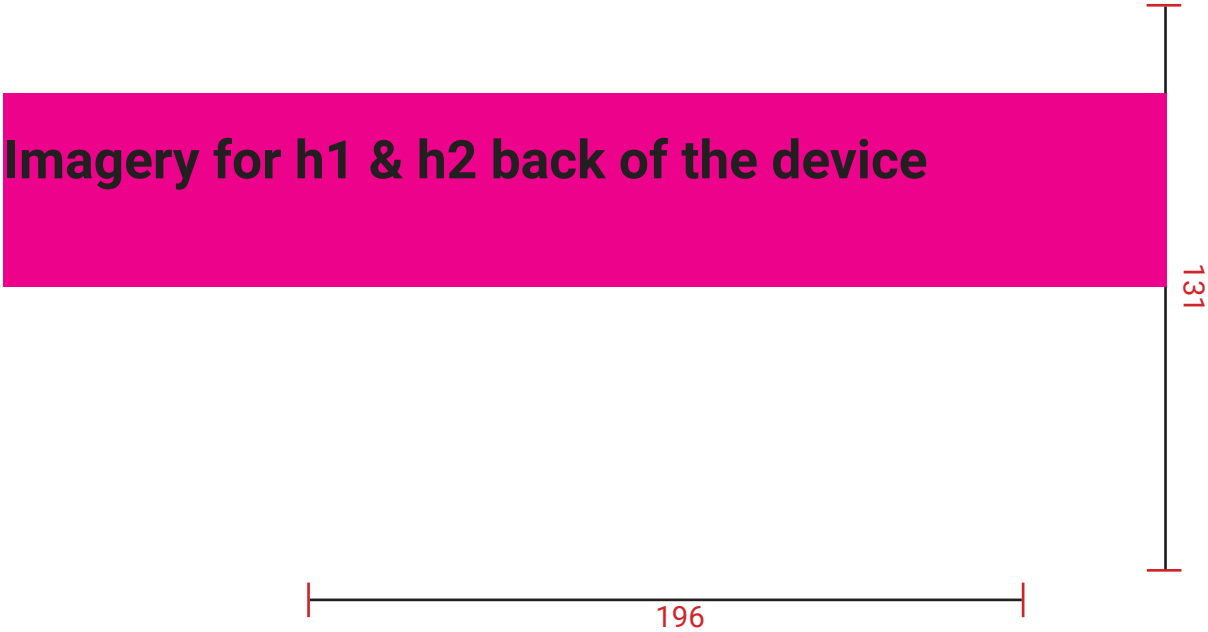
Front of Device:

Back of Device:

Bottom of Device:



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Front Side Ports	2x USB-C 2.0
Power Supply	5V-18V, 10W 5.5mm/2.1mm positive tip
Operating Temp	0-60 °C / 32-140 °F
Device Type	Decoder
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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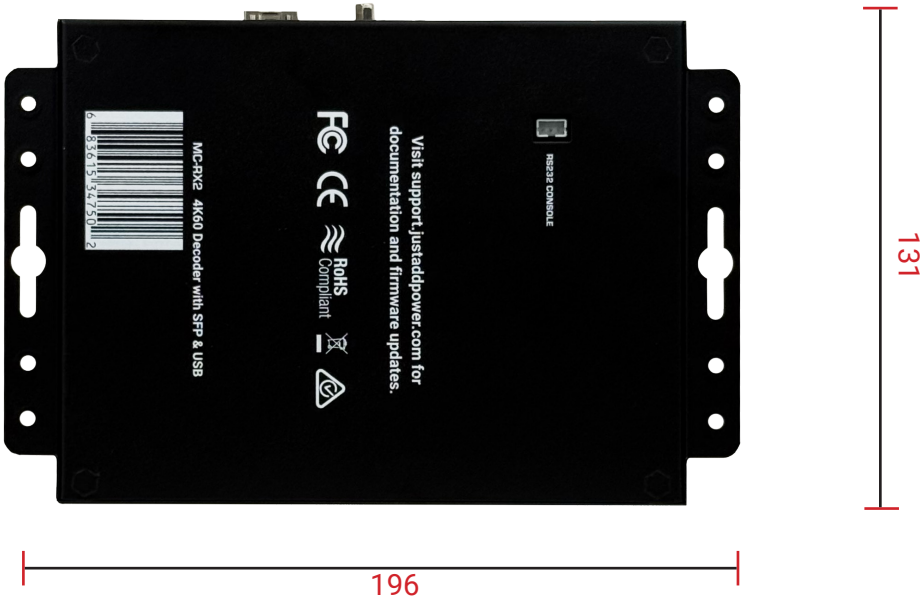
Front of Device:

Back of Device:

Bottom of Device:



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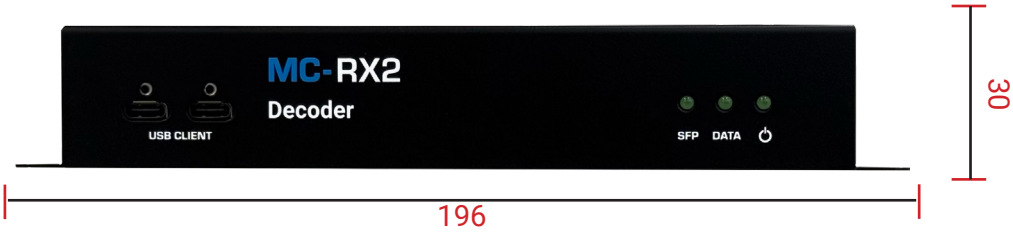
MC-RX2 Previous Hardware Version H1

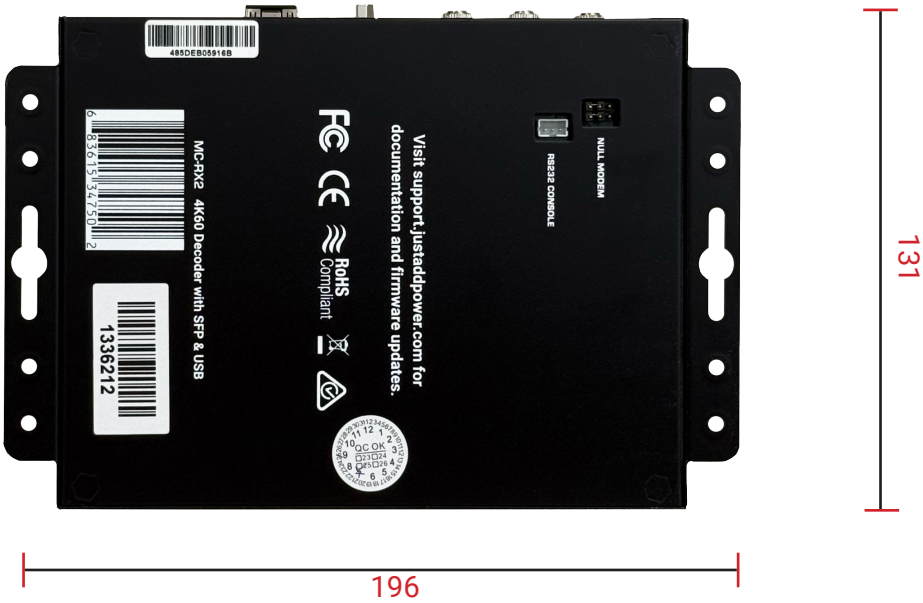
Manufacture Dates: February 2023 -

H1 Front of Device:



H1 Back of Device:

H1 Bottom of Device:



Specifications

H1 Rear Side Ports	RJ-45 (1Gb Network) Shared SFP (1Gb Network) HDMI Out 3.5mm Stereo Out 3.5mm IR Out
H1 Front Side Ports	2x USB-C 2.0
Dimensions & Weight	196 x 30 x 131 mm 7.7 x 1.2 x 5.2 inch 0.55 kg / 1.2 lb
Power Supply (not included)	5V-18V, 10W 5.5mm/2.1mm positive tip

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