

# MaxColor™ Series MC-TX1-RACK

Just Add  
**Power**  
AV over IP Solutions

## 4K60 Standard Rackmount Encoder 3 MC-TX1 Encoders in one form factor



The MaxColor 4K60 MC-TX1-RACK Encoder packs triple the performance into a single, space-saving chassis, featuring three MC-TX1 units integrated into one clean rackmount design. It natively supports 4K60 input, ensuring pristine video distribution with no downscaling or subsampling.

With MaxColor, you can deliver stunning 4K60/4:4:4/36-bit video across a standard 1Gb managed network using your existing Cat5e/Cat6 cabling—eliminating the need for expensive fiber upgrades or specialized switches. The MC-TX1-RACK is the ideal encoder solution for bringing multiple high-quality sources into your MaxColor system.

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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

## 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-TX1-RACK Specifications

**Dimensions** 429 x 44.5 x 250 mm  
16.9 x 1.75 x 9.8 inch  
(19-inch rack, 1 RU)

**Weight** 2.65 kg / 5.85 lb

**Ports** 3x RJ-45 (1Gb Network)  
3x HDMI In  
3x 3-pin Euroblock Stereo Out  
3x 3-pin Euroblock IR Out  
3x 3-pin Euroblock 2-Way RS232

**Power Supply** N/A

**POE** IEEE 802.3af (15.4W)

**Operating Temp** 0-60 °C / 32-140 °F

**Device Type** Encoder

**Release Date** August 2025

# MaxColor™ Series MC-TX1-RACK

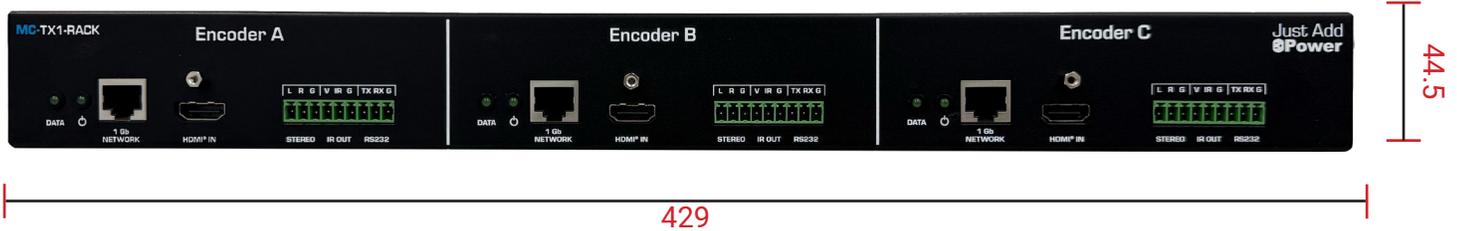
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## Front of Device:

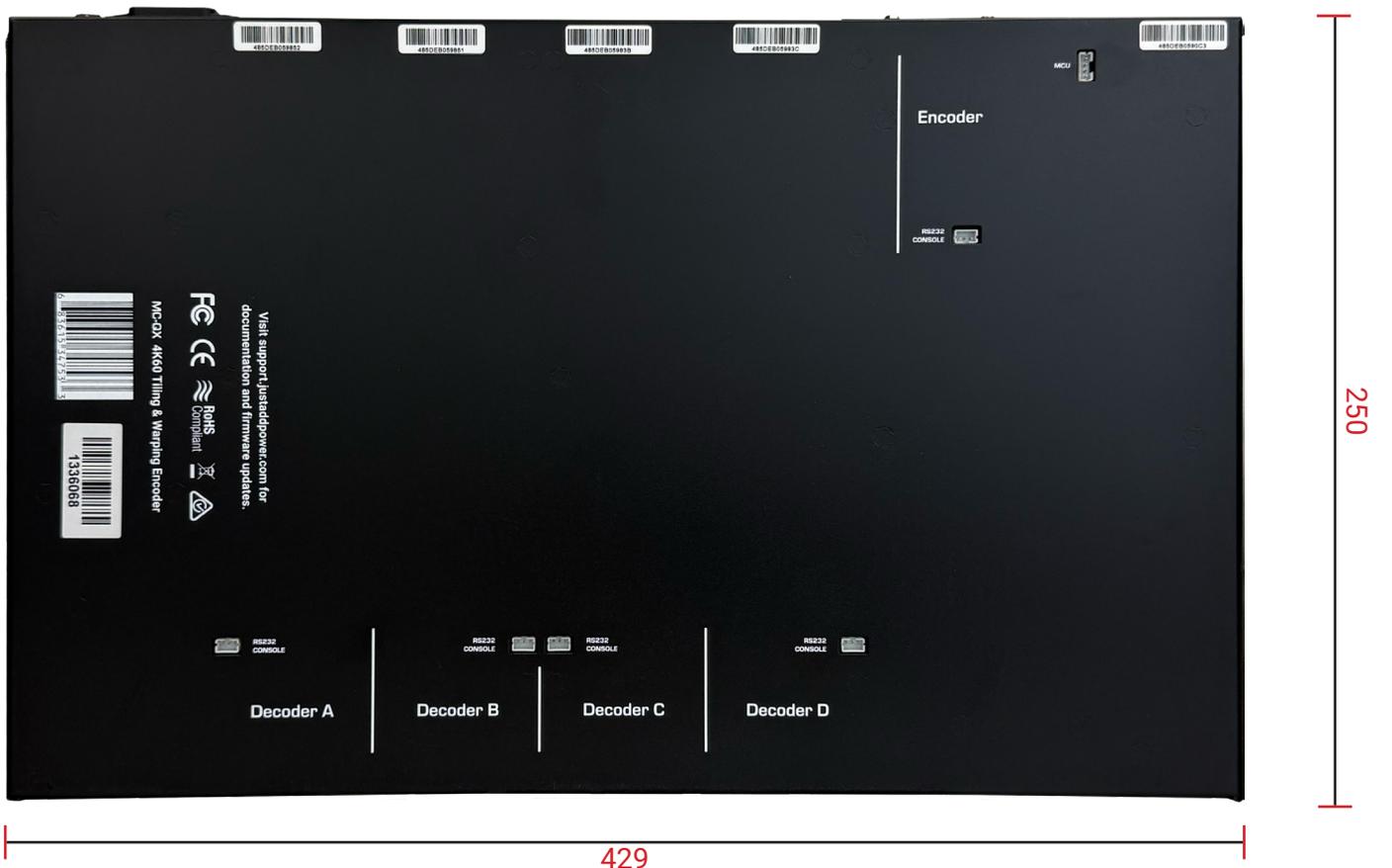
All measurements in millimeters (mm)



## Back of Device:



## Bottom of Device:



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