

# 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.

# MaxColor™ Series MC-TX1-RACK

Just Add  
**Power**  
AV over IP Solutions

## Video

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

## Compliance

|                        |                 |
|------------------------|-----------------|
| <b>Certification</b>   | FCC/CE/ROHS/RCM |
| <b>HDCP Compliance</b> | 2.2, 2.3        |

## Endpoint Control

|                                  |  |
|----------------------------------|--|
| <b>Endpoint Control Features</b> | Serial Pass-through, Serial over IP, IR over IP, and CEC over IP |
|----------------------------------|--|

## Image Pull

|                                      |              |
|--------------------------------------|--------------|
| <b>Format &amp; Video Sub-stream</b> | JPEG & mJPEG |
| <b>Maximum Framerate</b>             | 30 fps       |

## USB (KVM)

|                     |  |
|---------------------|--|
| <b>USB Standard</b> | USB 2.0  |
| <b>USB Features</b> | Keyboard, Mouse, Touchscreen Pass-through, Webcam and Microphone Pass-through, & USB Hotkeys |

## Audio

|   |   |
|---|---|
| <b>Supported Audio</b>                  | All Audio Formats<br>Audio Return Channel (ARC) |
| <b>Stereo Audio Maximum Sample Rate</b> | 192kHz  |

## Network

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

## MC-TX1-RACK Specifications

|                       |  |
|-----------------------|--|
| <b>Dimensions</b>     | 429 x 44.5 x 250 mm<br>16.9 x 1.75 x 9.8 inch<br>(19-inch rack, 1 RU)  |
| <b>Weight</b>         | 2.65 kg / 5.85 lb  |
| <b>Ports</b>          | 3x RJ-45 (1Gb Network)<br>3x HDMI In<br>3x 3-pin Euroblock Stereo Out<br>3x 3-pin Euroblock IR Out<br>3x 3-pin Euroblock 2-Way RS232 |
| <b>Power Supply</b>   | N/A  |
| <b>POE</b>            | IEEE 802.3af (15.4W)   |
| <b>Operating Temp</b> | 0-60 °C / 32-140 °F  |
| <b>Device Type</b>    | Encoder  |
| <b>Release Date</b>   | August 2025  |

# MaxColor™ Series MC-TX1-RACK

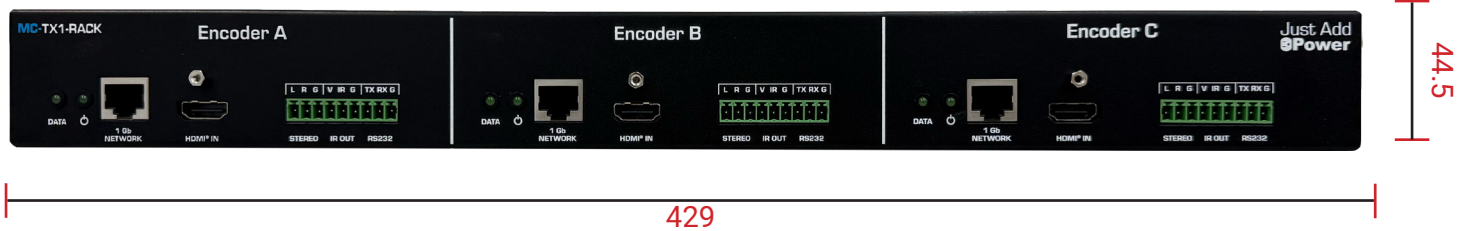
Just Add  
**Power**  
AV over IP Solutions

## Front of Device:

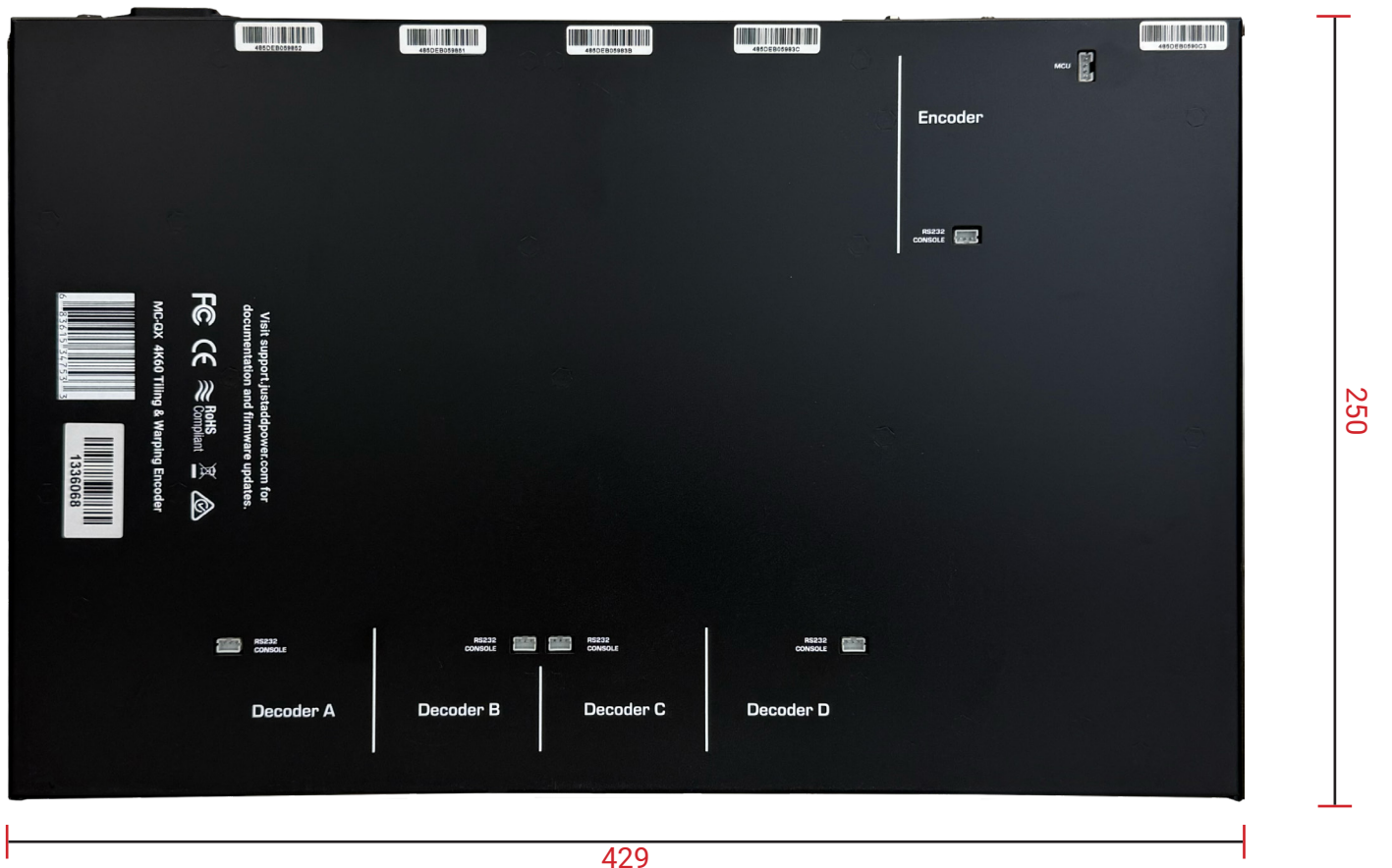
All measurements in millimeters (mm)



## Back of Device:



## Bottom of Device:



# MaxColor™ Series MC-TX1-RACK

Just Add  
**Power**  
AV over IP Solutions

## Need product images for your marketing?

Check out our Sales Partner Resource Page!  
[www.justaddpower.com/sales-partner-resources/](http://www.justaddpower.com/sales-partner-resources/)



# MaxColor™ Series MC-TX1-RACK

Just Add  
**Power**  
AV over IP Solutions

# MaxColor™ Series MC-TX1-RACK

Just Add  
**BPower**  
AV over IP Solutions

