

MS-3RU

Uncompressed 4K 60Hz 4:4:4 (18Gbps) up to 100m, with USB-C, PoC, RS-232 pass through

Solutions



Description:

The MS-3RU is a 4K 60Hz 4:4:4 uncompressed HDMI & USB-C extender using uncompressed HDBaseT Spec 3.0 technology to extend 4K HDR video (18Gbps) to a distance of up to 100m over single CAT cable with 4K resolutions including dHDR (HDR10+ and Dolby Vision at 60Hz). It also has a professional grade USB-C extender allowing for a single USB-C data channel to be extended up to 100m over a single CATx cable infrastructure. It provides bi-directional PoC (Power over Cable) allowing for either the TX or RX to be powered.

Key Features:

- Uncompressed extension of HDMI at resolutions up to 4K 60Hz 4:4:4 using HDBaseT Spec 3.0 technology
- Uncompressed extension of USB data up to 100m over single CAT
- 4K signal extension to 100m over single CAT6A including HDR
- Supports HDMI pass-through all known HDMI audio formats including Dolby Atmos / DTS:X
- 1x USB-C channel for up to 320Mbps data connectivity of USB-C devices across the links
- Flexible USB extension for: USB-C PTZ cameras, hard drives, laptops and other USB-C peripherals
- Bi-directional RS-232 serial pass through
- Bi-directional 12V PoC (Power over Cable)
- CEC (Consumer Electronics Control) pass through
- HDCP2.2 compliant



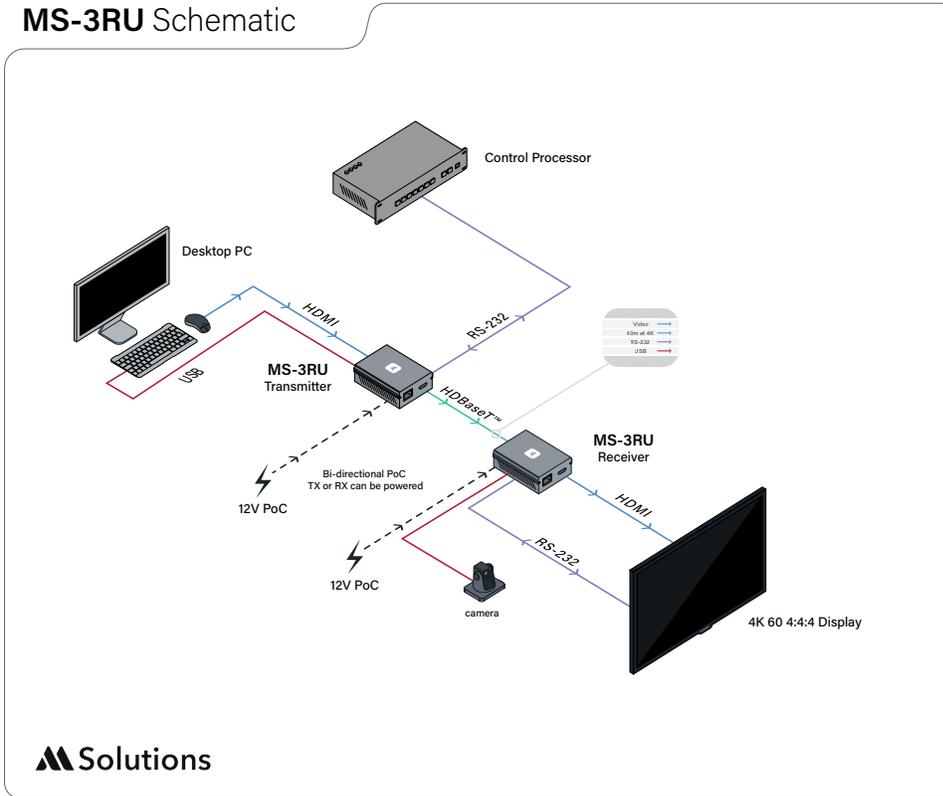
Receiver



Transmitter



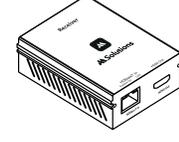
MS-3RU Schematic



MS-3RU Transmitter



MS-3RU Receiver



HDMI
HDBaseT™
RS-232
USB

Specifications:

- Video connectivity TX: 1x HDMI input (female), 1x HDBaseT output (RJ45 keystone)
- Video connectivity RX: 1x HDBaseT input (RJ45 keystone), 1x HDMI output (female)
- USB connectivity TX: 1x USB-C (female) - data only
- USB connectivity RX: 1x USB-C (female) - data only
- RS-232 connectivity (TX & RX): 1x 3-pin phoenix connector, block included
- Power supply: 1x 12V 2A DC
- Power consumption: 13W
- Individual unit dimensions (W x D x H): 60 x 84 x 25mm
- Individual unit weight: 0.1kg
- Package dimensions (W x D x H): 163 x 147 x 85mm
- Package weight: 0.5kg
- Operating temperature: 32°F to 104°F (0°C to 40°C)
- Storage temperature: -4°F to 140°F (-20°C to 60°C)
- Operating humidity: 0-80% non condensing



Version - RevA0

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From ideas to reality.