

MS-100PRI

HDBaseT Extender Set

M Solutions



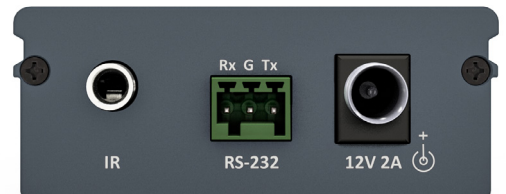
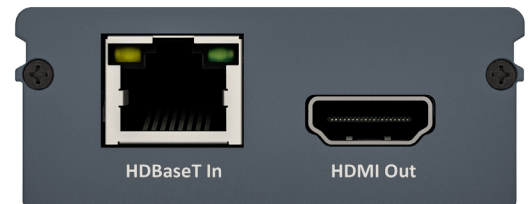
Description:

The MSolutions MS-100PRI is a 4K HDMI extender using uncompressed HDBaseT technology to extend 4K UHD & HDR video (10.2Gbps) to a distance of up to 70m over single CAT cable with 1080p or lower resolutions to up to 100m. The extender provides bi-directional RS-232 and a single channel IR link between TX to RX, or RX to TX. Bi-directional PoC (Power over Cable) allows for either the TX or RX to be powered.

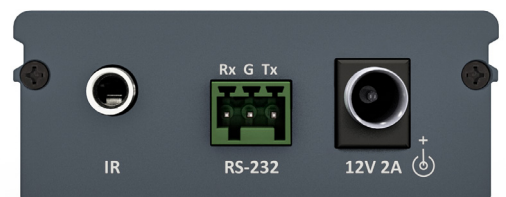
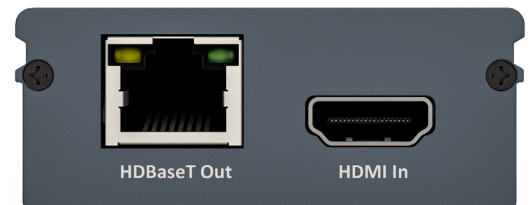
Key Features:

- Uncompressed extension of HDMI at resolutions up to 4K 60Hz 4:2:0 / 4K 30Hz 4:4:4 using HDBaseT technology
- 4K signal extension to 70m over single CAT including HDR formats supported under 10.2Gbps
- 1080p or lower video resolutions up to 100m over single CAT
- Supports HDMI pass-through all known HDMI audio formats including Dolby Atmos / DTS:X
- Bi-directional 12V PoC (Power over Cable)
- Bi-directional RS-232 serial pass through
- Single channel 5V IR pass-through (TX to RX, or, RX to TX)
- CEC (Consumer Electronics Control) pass through
- HDCP2.2 compliant

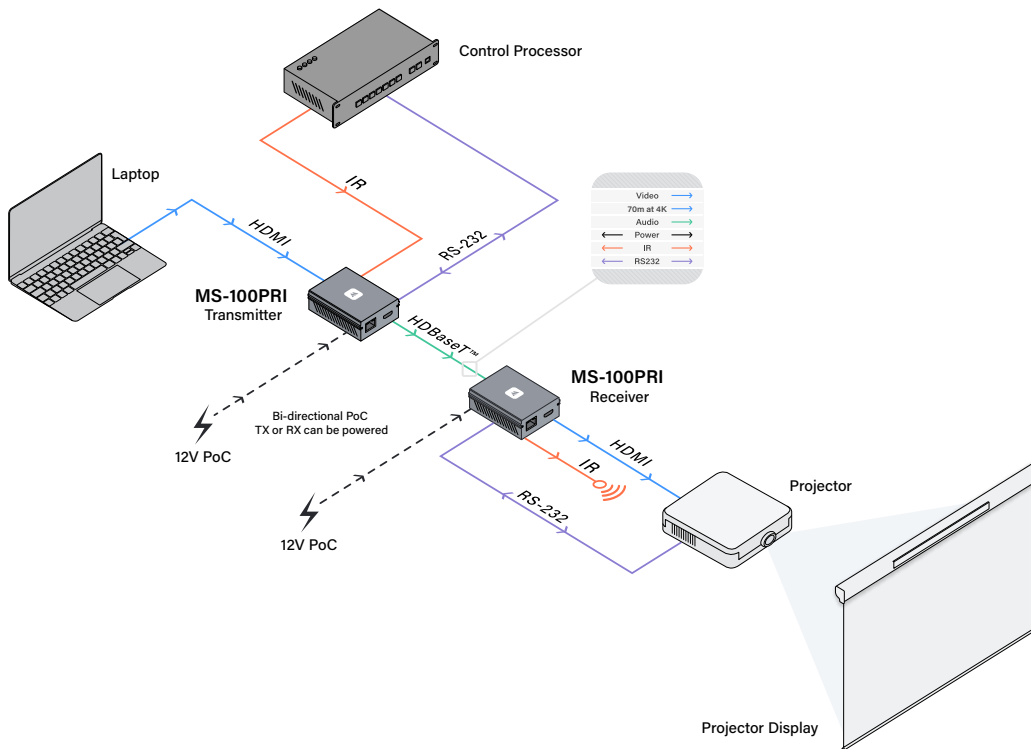
Receiver



Transmitter



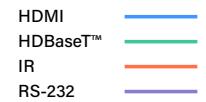
MS-100PRI Schematic



MS-100PRI Transmitter



MS-100PRI Receiver



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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)
- IR connectivity (TX & RX): 1x 3.5mm stereo jack (female) – IR TX or IR RX
- 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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