

# MS-210SP

## HDBaseT Extender Set

**Solutions**



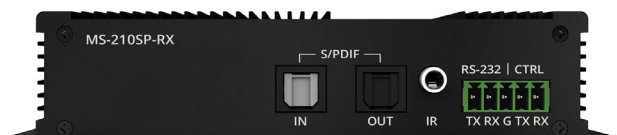
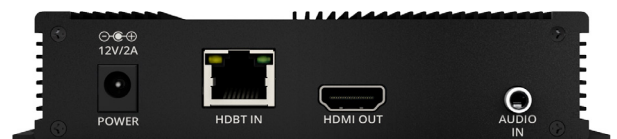
### Description:

The MSolutions MS-210SP is a 4K HDMI HDBaseT extender set allowing for uncompressed video and audio to be extended up to 40m at 4K UHD & HDR (10.2Gbps), and 70m at 1080p or lower resolutions. S/PDIF audio return enables the sink to return audio to an audio amplification or distribution device located remotely to the display. An additional one way analogue audio pass-through allows for a separate audio signal to be returned from the receiver to the transmitter. The unit also features RS-232 serial pass-through and single channel IR pass through from TX to RX, or RX to TX. Bi-directional PoC (Power over Cable) allows for either the TX or RX to be powered.

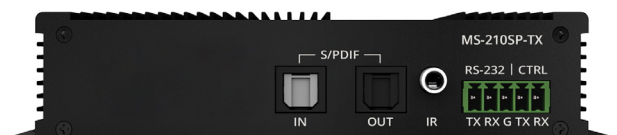
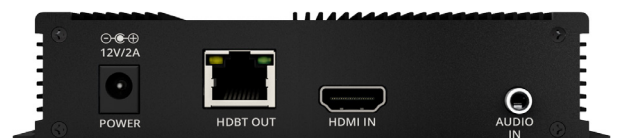
### Key Features:

- 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 40m over single CAT including HDR formats supported under 10.2Gbps
- 1080p or lower video resolutions up to 70m 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 S/PDIF (Digital Optical Toslink) connectivity (TX to RX, RX to TX)
- Independent 1-way analogue audio pass-through (RX to TX)
- 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

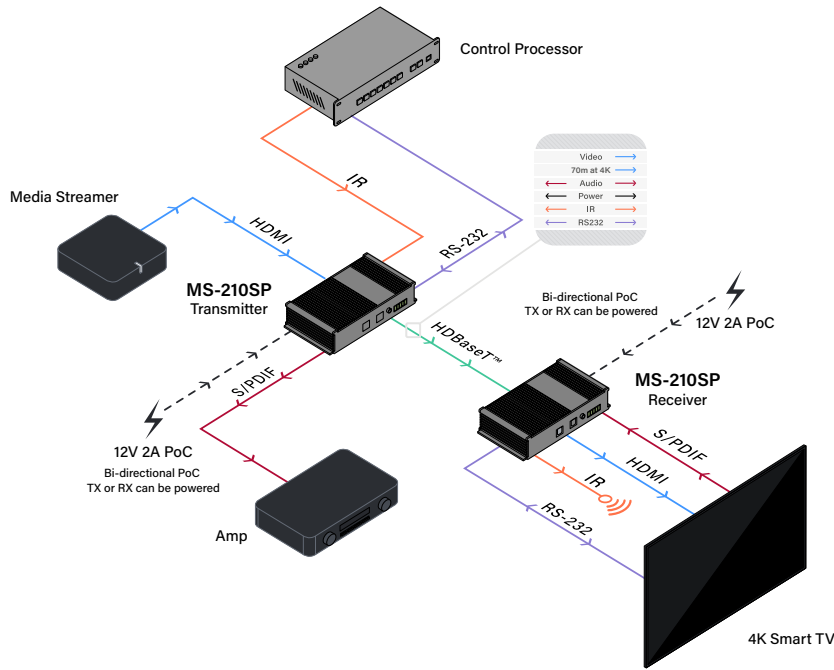
### Receiver



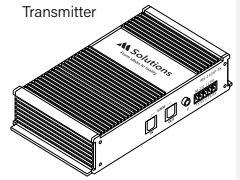
### Transmitter



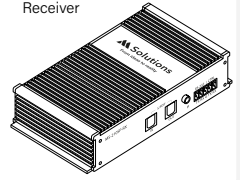
## MS-210SP Schematic



**MS-210SP**  
Transmitter



**MS-210SP**  
Receiver



HDMI  
HDBaseT™  
IR  
RS-232  
Audio

**Solutions**

## 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)
- Digital audio connectivity (TX & RX): 2x S/PDIF Toslink Optical – send and receive
- Analogue audio connectivity: 1x Analogue audio in (RX), 1x Analogue audio out (TX) – 3.5mm jack (female)
- IR connectivity (TX & RX): 1x 3.5mm stereo jack (female) – IR TX or IR RX
- RS-232 connectivity (TX & RX): 1x 5-pin phoenix connector, block included – serial pass-through and f/w upgrade
- Power supply: 1x 12V 2A DC
- Power consumption: 13W
- Individual unit dimensions (W x D x H): 135 x 70 x 31mm
- Individual unit weight: 0.2kg
- 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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