

HDX80-4K

80m 4K HDMI Extender over Cat6



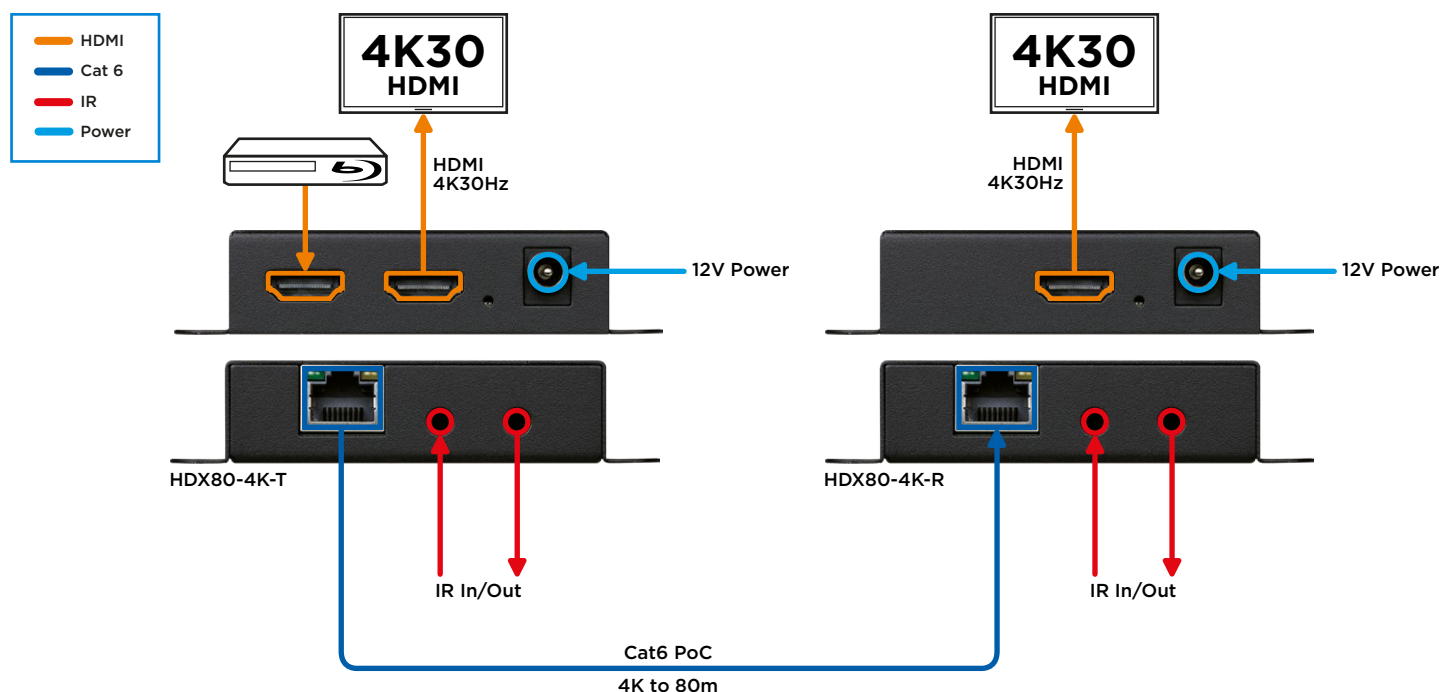
HDX80-4K

The HDX80-4K is a cost-effective HDMI extender that delivers uncompressed transmission at 4K@30Hz up to 80 meters over Cat6 cable. It features a local HDMI loop-out on the transmitter for use with a preview monitor, making it ideal for simple point-to-point setups. The unit also includes essential features like Power over Cable (PoC), EDID pass-through, and IR pass-through, making it a practical choice for straightforward applications such as classrooms, offices, and digital signage.

FEATURES

- 4K HDMI Extender
- 80m @4K60 4:2:0/4K30 4:4:4
- HDMI loop-out (Transmitter)
- Bi-directional IR
- Supports PoC (Either end)
- Cool technology ensuring longevity
- Compliant up to HDCP 1.4
- EDID pass-through

CONNECTIVITY ILLUSTRATION



HDX80-4K

80m 4K HDMI Extender over Cat6



SPECIFICATIONS

PART NUMBER	SY-HDX80-4K	
VIDEO RESOLUTIONS/FORMATS	VESA and SMPTE 480p to 2160p All HDMI resolutions up to 3840x2160p @30Hz 4:4:4/60Hz 4:2:2	
BANDWIDTH	10.2Gbps	
HDCP	Compatible with all versions up to 1.4	
HDMI INPUT	HDMI 1.4b	
TRANSMISSION DISTANCE	4K30 4:4:4 - 80m (Cat6a)	
INPUTS TX	Video 1x HDMI 2.0	
OUTPUTS TX	Video 1x HDMI 2.0	Cat Cable 1x RJ45
INPUTS RX	Cat Cable 1x RJ45	
OUTPUTS RX	Video 1x HDMI 2.0	
AUDIO FORMATS	LPCM 2.0, Dolby 5.1, Dolby Digital+ 7.1, DTS 5.1	
CONTROL	IR Pass Through	
POWER SUPPLY	12V DC 1A	
POWER CONSUMPTION	3.24W Max.	
WEIGHT AND DIMENSIONS	Weight (net) 0.162kg Transmitter 0.159kg Receiver	Size (WHD) 74 x 20 x 68mm (97 x 20 x 68mm including brackets)
WHAT'S IN THE BOX	1x HDX80-4K-T - Transmitter unit 1x HDX80-4K-R - Receiver unit 1x IR Emitter 1x IR Receiver 1x 12V/1A Lockable PSU 1x User Manual	

REGULATORY COMPLIANCE



SY-HDX80-4K Data Sheet 01. Details subject to change with no prior notice. ©SY Electronics 2025