

1080p HDMI Extender over CAT6 up to 196ft (60m)

HDCP 1.4, IR Pass-Through, Local HDMI Loop-Out, Deep Color 48-bit

Extend HDMI video and audio up to 196ft (60m) over a single CAT6 cable with IR control and local HDMI preview. Supports 1080p@60Hz, HDCP 1.4, EDID, 48-bit Deep Color. Auto-adjustment and signal equalization maintain pixel-perfect resolution.

Important: Requires CAT6/6a/7 cable only. Will NOT work with CAT5/5e. Shielded cable and shielded RJ45 connectors strongly recommended to reduce EMI.

FEATURES

- ✓ Extend DVI/HDMI over CAT6 up to 196ft (60m)
- ✓ Local HDMI output on TX for preview
- ✓ Full HD 1080p@60Hz
- ✓ HDCP 1.4 and EDID compliant
- ✓ Full IR control over CAT6 (20–60KHz)
- ✓ 48-bit Deep Color
- ✓ Compact metal enclosures with mounting kits

PACKAGE

1x TX • 1x RX • 2x DC 5V/1A PSU • 2x IR Cables • 1x User Manual

SPECIFICATIONS

SIGNAL	
HDCP	HDCP 1.4
Resolution	480i–1080p@60Hz
Deep Color	48-bit (16-bit/channel)
IR	20–60KHz
Cable	CAT6/6a/7 • IEEE-568B

MECHANICAL	
TX	HDMI In + HDMI Loop + RJ45 + IR • 71×67×25mm • 83g • <3W
RX	HDMI Out + RJ45 + IR + Reset • 71×67×25mm • 81g • <2W
Power	DC 5V/1A each



Installation

1. Connect HDMI source to TX HDMI Input. 2. Run CAT6 cable from TX RJ45 to RX RJ45 (IEEE-568B). 3. Connect RX HDMI Output to remote display. 4. Optionally connect local monitor to TX HDMI Loop Out. 5. Power on both TX and RX. LINK LEDs confirm connection.

Application Example

HDMI Extension over CAT6



Up to 196ft (60m) at 1080p over CAT6. IR pass-through enables source control from the display location. TX loop-out for local preview.

TROUBLESHOOTING

Q: No image or abnormal display?

A: 1) Press RX RESET button. 2) Try shorter CAT6 cable. 3) Verify IEEE-568B termination.

Q: RX LINK LED flashing?

A: 1) Verify CAT6 cable follows IEEE-568B. 2) Check TX has HDMI signal input. 3) Reset both TX and RX.

Q: LINK LED solid but no image?

A: 1) Press RX RESET. 2) Verify HDMI cable to display. 3) Ensure cable is solid copper core (not CCA).

Q: Can I use CAT5/5e?

A: No. CAT6/6a/7 only. CAT5/5e will not work.

