4K60Hz HDMI Cascading Extender Kit over Cat6 — 70M

4K@60Hz | Cascade up to 10 RX | Auto EDID | IR Bi-directional | 3-Year Warranty

MPN: EXT-HDMICAS70M

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Important: Use Cat6/6a STP (shielded twisted pair) with proper grounding for best transmission results. Do not bundle Cat cables with power cables.

Product Overview

The KanexPro **EXT-HDMICAS70M** cascading HDMI extender distributes 4K@60Hz HDR from a single source to up to 10 displays simultaneously. The kit includes a transmitter (TX) and one receiver (RX) unit. Additional receiver units (EXT-HDMICAS70MRX, sold separately) can be cascaded — each on its own Cat6 run up to 70M — with each receiver independently managing display resolution and EDID.

Key Features

- Zero latency 4K@60Hz HDR over single Cat6/6a/7 to 70M — cascade up to 10 displays
- Supports up to 10 add-on RX units (EXT-HDMICAS70MRX) sold separately
- Each receiver independently manages display resolution and EDID — auto-adapt for mixed displays
- HDCP 2.2 and EDID support
- Bi-directional IR pass-through 20–60KHz — IR blasters included
- ARC S/PDIF digital audio de-embedded output
- Plug-and-play with zero configuration
- 3-year KanexPro parts and labor warranty

Specifications

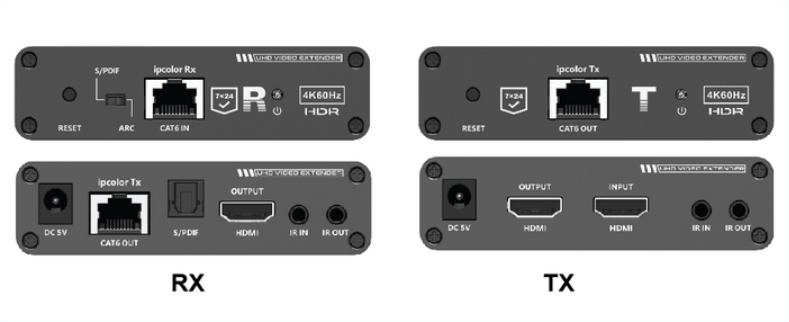
Specification	Value
Signal	HDMI 2.0 | HDCP 2.2
Max Resolution	4K×2K @ 60Hz (4:4:4 HDR)
Cascade	Up to 10 additional RX units (EXT-HDMICAS70MRX)
Transmission Cable	Single Cat6 / Cat6a / Cat7 per run
Max Distance	70M (230 ft.) per Cat6 run
EDID Management	Per-receiver independent — auto-adapts to display
IR	Bi-directional 20–60KHz (blasters included)
Audio Output	ARC S/PDIF de-embedded on RX
Power Supply	DC 5V–12V | TX <4W | RX <4W
Dimensions	106 × 99 × 26.2mm (TX & RX)
Weight	TX 210g | RX 210g
Operating Temp	-20°C to 60°C
Warranty	3-year parts and labor

Package Contents

1× TX Unit | 1× RX Unit | 2× DC Power Adapters | IR TX/RX Blaster Kit | 1× User Guide

Safety Notes: Do not expose units to moisture. Ensure adequate ventilation around TX and RX units. Use only the included power adapters. Do not exceed the maximum cable distance.

Panel Descriptions



TRANSMITTER (TX) PANEL

NO.	NAME	DESCRIPTION
1	HDMI IN	HDMI 2.0 Type A input. Connect to HDMI source.
2	RJ45 OUT (×2)	Two Cat6 outputs to cascade multiple RX units. Connect each to a separate receiver.
3	IR OUT	3.5mm IR blaster output.
4	IR IN	3.5mm IR sensor input.
5	DC IN	DC 5V–12V power input.

RECEIVER (RX) PANEL

NO.	NAME	DESCRIPTION
1	RJ45 IN	Cat6/6a/7 input from TX or upstream RX.
2	HDMI OUT	HDMI 2.0 output to display — per-display EDID management.
3	S/PDIF OUT	Coaxial ARC audio output.
4	IR OUT	3.5mm IR blaster output.
5	IR IN	3.5mm IR sensor input.
6	DC IN	DC 5V–12V power input.

Application Example

How it works: Connect the HDMI source to TX HDMI IN. Run individual Cat6 cables from the TX to each RX unit — one cable per display, up to 70M each. Each RX independently negotiates EDID with its connected display, enabling mixed-resolution environments (e.g., 4K monitor + 1080p projector) from the same source. Add up to 9 additional EXT-HDMICAS70MRX receivers for a total of 10 displays.

Troubleshooting

Q: One display has wrong resolution

A: Each RX manages EDID independently. If one display shows incorrect resolution, power-cycle that RX unit with the display connected. The RX will re-read the display EDID and adapt.

Q: Cascade RX not receiving signal

A: Verify the Cat6 cable run does not exceed 70M. Ensure the TX RJ45 OUT port connected to this RX is active. Confirm proper power to both TX and the affected RX.

Q: No audio from S/PDIF

A: Check the coaxial connection from RX S/PDIF OUT to amplifier. Ensure ARC is enabled on the connected display.