HDMIEXT100PRO

DESCRIPTION

This product is a 4K@60Hz HDMI extender kit consisting of a transmitter and a receiver, using ipcolor STREAM technology for high-definition, low-latency transmission. The 4K@60Hz HDMI signal can be extended up to 120m via Category 6 and above network cables, supporting one-to-one connection, one-to-many connections via gigabit switch, or switch cascades. It also supports HDMI loop out, IR passback, and RS-232 passthrough functions, and can be widely used in meetings, home entertainment, educational presentations, and other fields.

FEATURES

- ipcolour Stream
- Low Latency
- 4k@60Hz
- IR Pass-back
- RS-232 Control
- Micro-USB Upgrade
- HDMI Loop-out
- Lightning, Surge & ESD Protection

DETAILS

HDMI length	≤ 5m
Maximum transfer rate	18Gbps
Compatibility	HDMI 2.0 HDCP 1.4/HDCP 2.2
Resolutions	3840x2160@24/30/50/60Hz, 1080p@50/60Hz, 720p@50/60Hz, 1920x1200@60Hz, 2560x1440@60Hz, 2560x1600@60Hz
Connection types	One-to-one connection One-to-many connection Switch cascading
Transmission distance	Cat6/6A/7≤120m
Transmission latency	70~180ms
IR receiving range	≤ 5m
IR frequency	20kHz~60kHz
RS-232 (GND/RXD/TXD)	Default baud rate: 115200 Supported: 2400, 4800, 9600, 19200, 38400, 57600, 115200
Power Supply	DC 5V/1A
Power Consumption	TX ≤ 4.5W RX ≤ 2.5W
Working temperature	- 20°C~60°C
Storage temperature	30°C~70°C
Humidity	0~90%RH (no condensation)

DETAILS

Housing	Iron
Weight	TX:254g, RX:242g
Colour	Black
Dimensions	106.0(L)*103.0(W)*20.6(H)mm
Protection	ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2 Lightning protection, Surge protection

HDMI SOURCE

DISPLAY

DISPLAY

120m

(Up to 253 Receivers)

DISPLAY

(Gigabit Switch)

HDMI Loop-out

DISPLAY

DISPLAY

DISPLAY