

4K 60Hz OVER IP EXTENDER

Model Code: LKV483-M5.0

The LENKENG LKV483-M5.0 HDMI extender is an IP-based system built on ipcolor STREAM technology, delivering high-definition, low-latency video over standard network cables. Using Cat5e, Cat6, or higher-grade Ethernet cables, it supports transmission distances up to 120m (Cat6) & resolutions up to 4096x2160@60Hz, while remaining backwards compatible with lower HD formats. The system supports one-to-one, one-to-many, many-to-one, & many-to-many connections through a gigabit switch, with up to 256 inputs & 256 outputs controllable via an APP. It also features IR pass-back for remote control & firmware upgrades via Micro USB. Designed for 24/7 operation, it includes ESD, lightning, & surge protection, making it ideal for professional AV installations such as control rooms, command centres, data centres, & enterprise environments where high-resolution, scalable, & reliable signal distribution is required.

Features:

- Built on ipcolor STREAM technology to deliver high-definition & low-latency transmission.
- Supports up to 4K(4096x2160)@60Hz resolution, backwards compatible.
- Compatible with Cat5e/6 or higher-level networking cables, the transmission distance of Cat6 cable is 120m.
- Supports one-to-one, one-to-many, many-to-one & many-to-many connections through the gigabit switch.
- Supports IR pass-back (20~60KHz).
- Supports 256 signal source inputs & 256 signal outputs.
- Signal sources can be switched via the APP for a flexible many-to-many matrix configuration.
- Firmware upgrading via the Micro USB port.
- Lightning protection, surge protection, ESD protection.
- Supports stable 24/7 operation.



SPECIFICATIONS

HDMI version	HDMI 2.0
HDCP version	HDCP1.4, HDCP2.2
Video bandwidth	18Gbps
HDMI resolution supported	1080P@24/25/30/50/60Hz, 720P@50/60Hz, 576P@60Hz, 480P@60Hz, 1920x1200, 1680x1050, 1600x900, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600
HDMI connector	Type A , 19 pin, Female
LAN connector	RJ-45
IR/Control	IR pass-back 20kHz ~ 60kHz
Transmission distance	CAT5 80m / CAT5E 100m / CAT6 120m
Transmission latency	1080P: 80ms ~ 130ms; 4K@60Hz: 150ms ~ 220ms
Operation temperature	-20°C ~ 60°C
Storage temperature	-30°C ~ 70°C
Humidity	0-95% (Noncondensing)
Protection	Lightning Protection, Surge Protection, ESD Protection
Power consumption	TX<3.5w, RX<2.5w
Dimensions	96.8(L)x94.0(w)x23.7(H)mmx2pcs
Weight	TX: 156g, RX: 154g
Colour	Black
Housing	Aluminium

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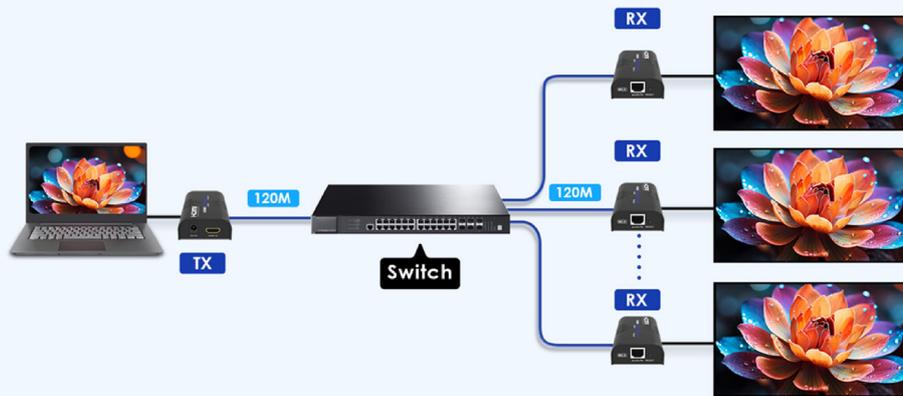


Point-to-Point Connection

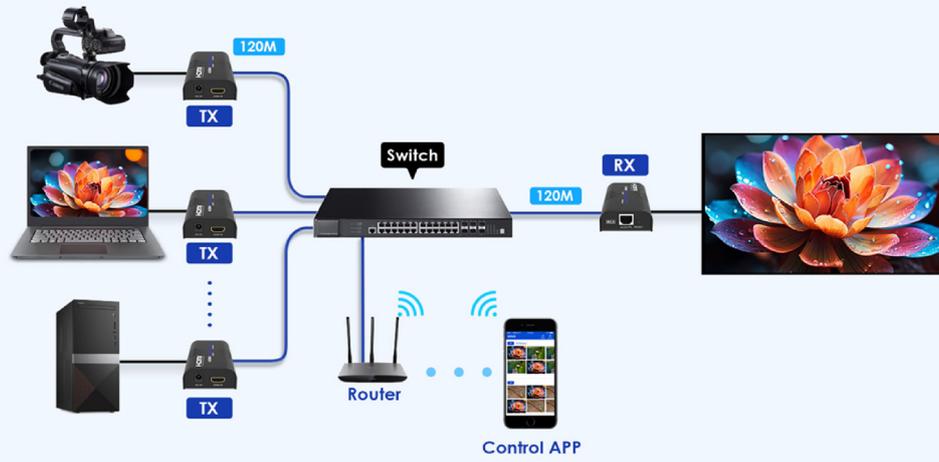
Plug and Play



One-to-Many Connection with 100Mbps/1G Switch



Many-to-One Connection with APP Control



Many-to-Many Connection with APP Control

