HDMI OVER IP EXTENDER

Model Code: LKV373-M5.0

The LENKENG LKV373-M5.0 HDMI extender is an IP-based transmission system built on ipcolor STREAM technology, consisting of transmitter & receiver units that deliver high-definition, low-latency HDMI signals over standard network infrastructure. Using Cat5e, Cat6, or higher-grade Ethernet cables, it supports transmission distances of up to 120m (Cat6) with resolutions up to 1920x1200@60Hz, while remaining backwards compatible with common HD formats. Through a gigabit switch, the system supports one-to-one, one-to-many, many-to-one, & many-to-many configurations, with flexible matrix switching of up to 256 inputs & 256 outputs controlled via an APP. Designed for reliable 24/7 operation, the LKV373-M5.0 incorporates ESD, lightning, & surge protection, making it well suited for control rooms, command centres, data centres, government, enterprise, & other professional AV environments where scalability, stability, & secure signal distribution are essential.
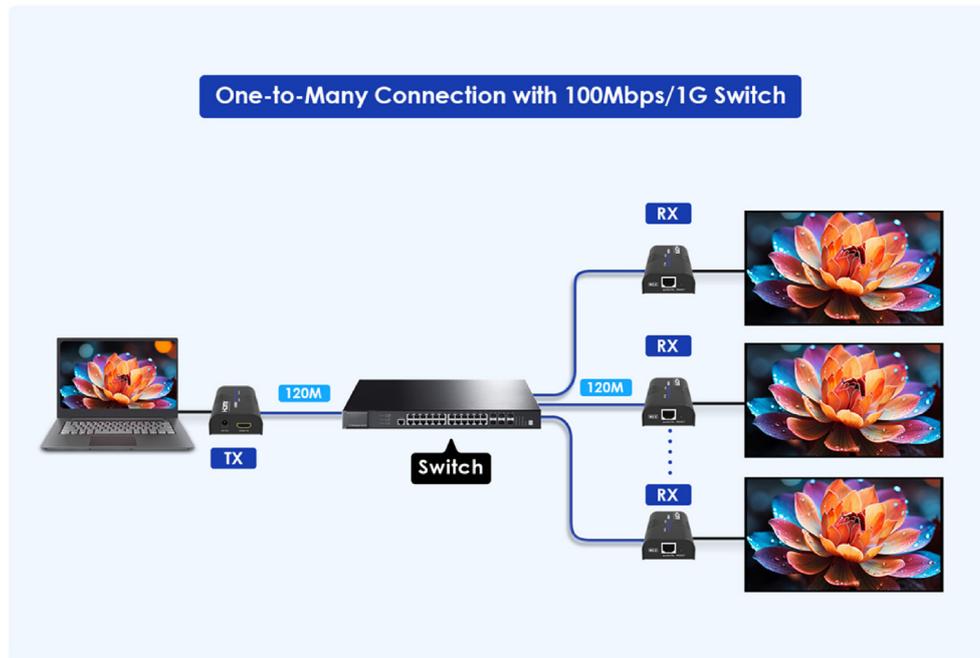
Features:

- Built on ipcolor STREAM. technology to deliver high-definition & low-latency transmission.
- Supports up to 1920 x 1200@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 256 signal source inputs & 256 signal outputs.
- Signal sources can be switched via the APP for a flexible many-to-many matrix configuration.
- Lightning protection, surge protection, ESD protection.
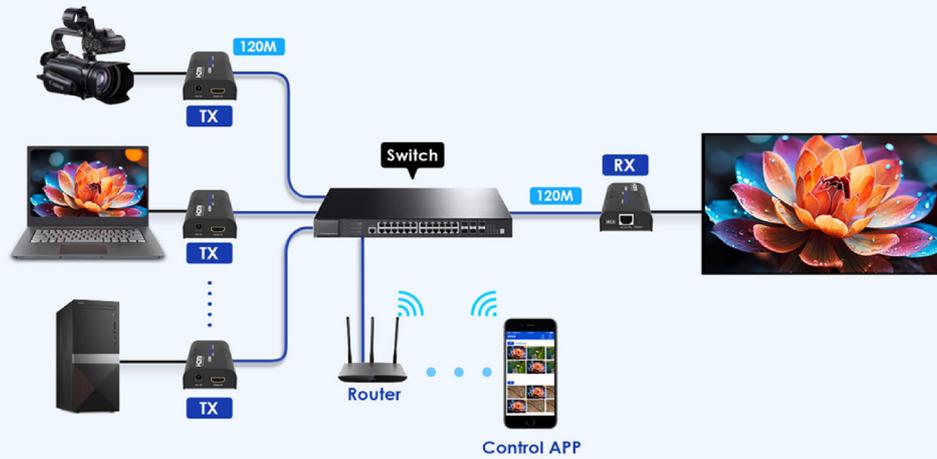- Supports stable 24/7 operation.

SPECIFICATIONS	
HDMI version	HDMI 1.3
HDCP version	HDCP1.4
Video bandwidth	4.96Gbps
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
Transmission distance	CAT5 80m / CAT5E 100m / CAT6 120m
Transmission latency	80ms ~ 130ms
Operation temperaure	-20°C ~ 60°C
Storage tempurature	-30°C ~ 70°C
Humidity	0-95% (Noncondensing)
Protection	Lightning Protection, Surge Protection, ESD Protection
Power consumption	TX<3.5w, RX<3w
Dimensions	110.0(L)x58.0(w)x26.0(H)mmx2pcs
Weight	TX: 160g, RX: 160g
Colour	Black
Housing	Aluminium (Top cover); Iron (Bottom cover)

LENKENG®

Point-to-Point Connection

Plug and Play

120M

TX

RX

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

RX

RX

RX

120M

120M

TX

Switch

LENKENG®

Many-to-One Connection with APP Control

120M
TX
Switch
RX
120M
TX
Router
Control APP
TX

Conference Share

Education/Presentation

Many-to-Many Connection with APP Control

RX
RX
RX
120M
Switch
Router
Control APP
120M
TX
TX
TX