



OPERATING MANUAL
FOR
HDMI IR KVM EXTENDER (4K)

Milestone Electronics Pvt. Ltd.

HDMI IR KVM Extender (4K)

Milestone's HDMI IR KVM Extender is a device that helps in transmitting or distributing HDMI, IR, USB & RS232 Signals to a distance of 200 meters through CAT6 Cable with local HDMI output on transmitter side. It requires two units i.e. one Transmitter & other Receiver. It also works as one transmitter & multiple receivers by using ethernet switch.

Models available

ML- HUIKVM-T-4K	Transmitter Unit
ML- HUIKVM-R-4K	Receiver Unit

Features

INSTALLATION	Easy to install - plug and play kind.
COMPATIBILITY	Works with all HDMI Ports.
DISTANCE	120 Meters with CAT6 Cable for HDMI, IR, USB & RS232 can be extended further upto 120mts by using Ethernet switch at subsequent 120 meters interval.
COMPLIANT	HDCP Compliant
RESOLUTION	Support upto 4K@30Hz resolution.
CAT6 CABLE	Standard IEEE-568B

SPECIFICATIONS

MODEL	ML- HUIKVMT-4K	ML- HUIKV MR-4K
FUNCTION	TRANSMITTER	RECEIVER
INPUT	HDMI IN & USB IN	RJ45 (LAN IN), IR IN
OUTPUT	RJ45 (LAN OUT), HDMI (Local), IR OUT.	HDMI OUT, USB (Keyboard), USB (Mouse).
INPUT/ OUTPUT	RS232	RS232
LED INDICATION	POWER, LAN Link Status, HDMI IN, HDMI OUT.	POWER, LAN Link Status, HDMI OUT.
POWER SOCKET	5V/1A	5V/1A
RESOLUTION	Up to 4K @ 30Hz	Up to 4K @30Hz

WORKING

I) ONE TO ONE OUTPUT

Connect the source to HDMI input of Transmitter, Stick IR LED of IR LED cable (optional) at the source & connect another end at IR OUT of Transmitter. Connect USBIN port to USB Port of source (laptop, DVR, NVR, etc). Connect local HDMI OUT to local TV at transmitter end. Connect RS232 port if required. Connect one end of CAT6 cable to RJ45 (LAN) OUT of transmitter & another end to RJ45 (LAN) IN of the Receiver. Connect HDMI display unit at “HDMI Out” of Receiver. Connect IR Sensor cable at IR IN of the Receiver (Optional). Connect keyboard & mouse at keyboard & mouse port of Receiver. Connect RS 232 port if required.

II) ONE TO MANY THROUGH ETHERNET SWITCH.

Connect the source to HDMI input of Transmitter with IR LED at IR OUT. Connect USBIN to source, connect local display at HDMI OUT, connect RS232 if required. Connect one end of CAT6 cable to RJ45 LAN OUT of Transmitter & another end to input of Ethernet Switch. Connect the required no. of (Receiver) at the other end of Ethernet Switch through CAT6 Cable. Connect HDMI display unit at “HDMI OUT” of all the Receivers. Connect IR Sensor cable at IR IN of each Receiver (Optional), Connect Keyboard & Mouse, at keyboard & mouse port of receiver. Connect RS232 if required.

Note: - IR LED & IR Sensor Cable are optional.