

## 16x16 Multicast supportable HDMI /DVI IPKVM Extender, IPKVM-310-ED



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### Descriptions

The OPTICIS HDMI IPKVM Extender, IPKVM-310-ED is designed for extending of HDMI, keyboard / mouse and provides multicast (16 to 16) streaming as well as unicast (1 to 1) over IP network. The transmitter, IPKVM-310-E (Encoder) connected to a HDMI source, encodes the HDMI by H.264 and transmits the video signal via Ethernet. The receiver, IPKVM-310-D (Decoder) connected to a display, receives the H.264 encoded video signal via the Ethernet and decodes video signal into the HDMI display.

The USB keyboard and mouse interface in the receiver, IPKVM-310-D also can be accessed to the source via transmitter, IPKVM-310-E, if it is connected to the source by USB interface.

The IPKVM-310-ED supports the digital video data of full HD up to 1920x1080p at 60Hz and stereo audio and transmits the signal via Internet / Intra network. It also enables to distribute sixteen (16) video sources up to sixteen (16) displays in the multi-screen mode or the single-screen HD mode on the remote displays and makes sixteen (16) local keyboard and mouse accesses to the source.

By using GUI interface and PC program, user can control the transmitters for connecting in the receiver side. With these key features, 16 x 16 IP routing system can be configured.

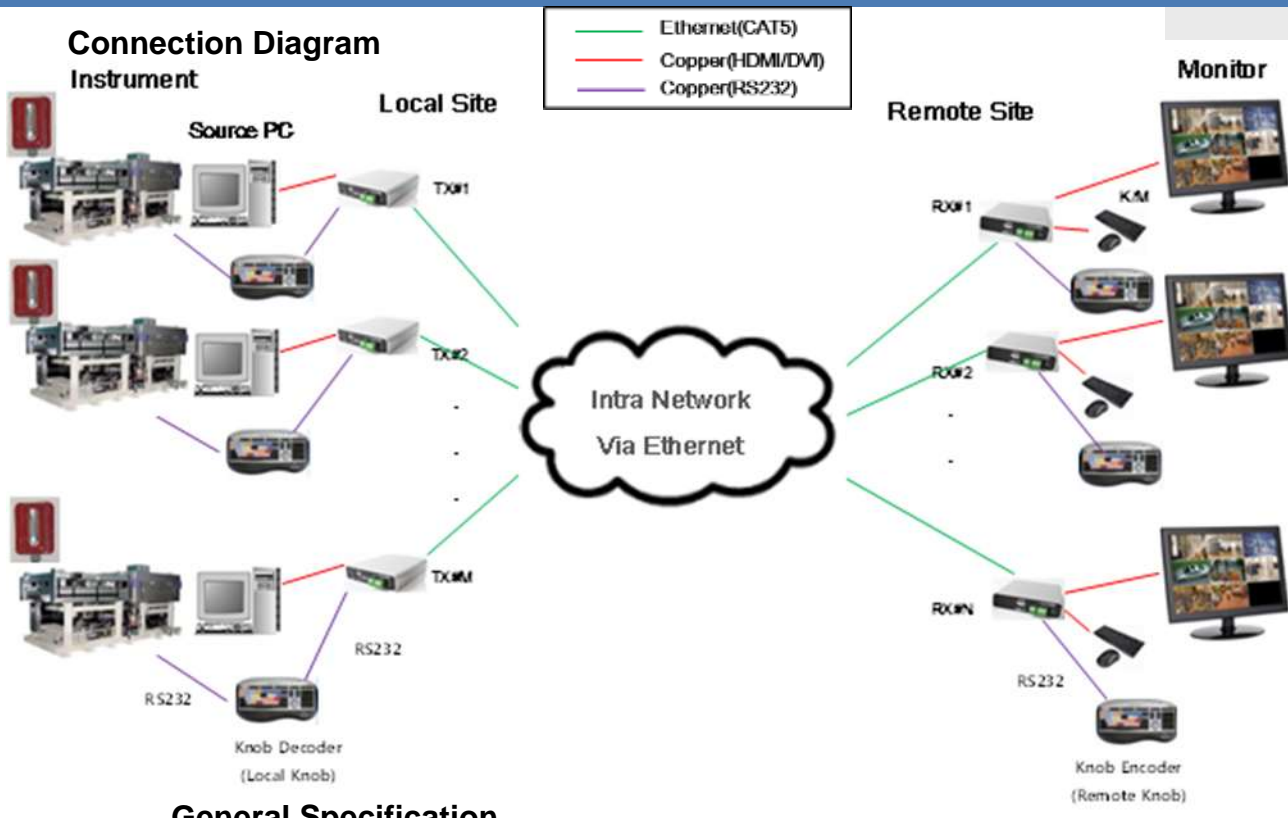
### Key Features

- 10/100 Base-T Ethernet: TCP/IP based wired network with CAT5e and CAT6 Cables
- Supports up to 1920x1080, 60Hz
- Has Video Codec: MPEG-4 Part 10/AVC (H.264)
- Supports Multi-cast up to 16 x 16
- HDMI V1.3 / DVI 1.0
- Supports Multi-screen mode: 640x480 video resolution, 16ch simultaneously monitoring mode
- Supports Full HD single screen mode
- KVM function using keyboard / mouse
- Offers OSD GUI program for easy configuration
- Offers HDMI, USB Loop-through for a Local display and keyboard / mouse
- Size (WDH): 104 x 112 x 28mm
- Certification: FCC/CE

### Applications

- Home A/V
- KVM
- Video control room
- Digital signage
- Medical imaging

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## General Specification

Item	Description
Multi-screen mode	Multi-screen mode(16CH): 640x480, Monitoring mode
	Single-screen HD mode(1CH):1920x1080, HID mode
Network(LAN)	10/100/1000Mbps Ethernet Auto-negotiation
Video Stream	UDP/TCP/IP, RTP/RTSP/RTCP
Video Codec	H.264
Resolution	Up to 1080p@60Hz
TX Video Interface	Input: 1 HDMI/DVI Input Output: 1 HDMI/DVI Output (Loop-Through )
RX Video Interface	Output: 1 HDMI/DVI Output
Keyboard/Mouse (TX)	1x mini USB B type to PC   2x USB A type (for Local HID)
Keyboard /Mouse (RX)	2x USB USB A type ( for Remote HID)
LAN Port	RJ-45 (TX/RX 1 port)
RS 232 Port	3 Pin Terminal Block (for Knob & alarm interface)
3 Stage Slide Switch	Local/Remote/Console for Control Authority
Configuration access	OSD GUI via Mouse/Keyboard, PC Program for user management
EDID	Built-in EDID & EDID Read/Write
Dimension	TX: 112x28x104mm (WHD), RX: 112x28x104mm (WHD)
Power	100-240VAC, 50-60Hz
	5V 3A Adaptor
Power Consumption (TBD)	Transmitter <10W   Receiver <10W
Certification	FCC, CE



All contents are subject to be changed without prior notice.

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