

MVISION KVM OVER IP 4K@60

FAV-103/104 is Fibernet's professional high-resolution KVM over IP solution, featuring high-definition picture quality, ultra-low latency for real-time AV transmission, and robust stability. This all-in-one IP-based unit offers video wall control, matrix switching, and KVM management functions, making it ideal for defense, air traffic control, broadcasting, finance, energy, and education sectors. The unit supports various display modes and delivers 4K image quality with vibrant color. Compatibility with H.264 and H.265 encoding enables support for a variety of surveillance cameras and media streaming devices while ensuring seamless system management.



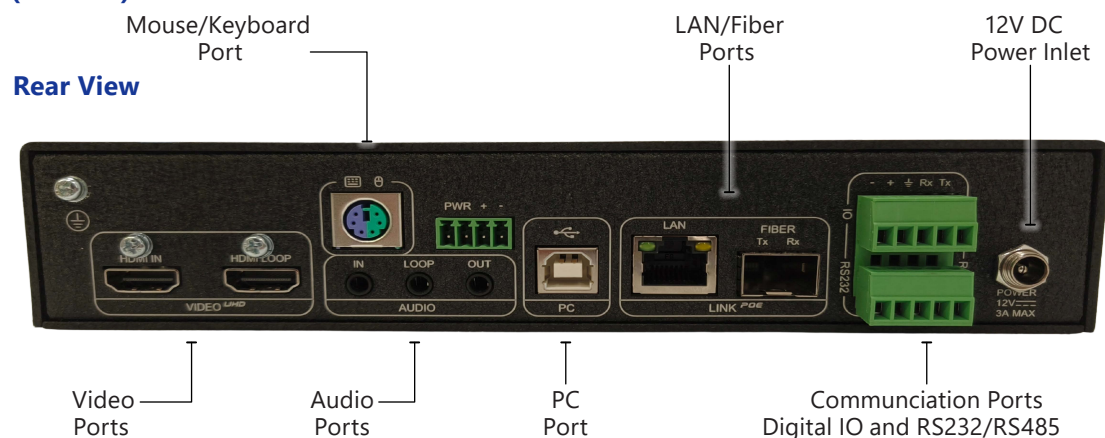
FEATURES

- **KVM Over IP:** Features an IP-based solution with embedded FPGA architecture and a high-performance image processing chip, supporting matrix switching, video wall processing, and KVM management functions.
- **Multiview:** Allows up to 9 signal sources on one monitor, and includes features like PIP (Picture in Picture), image cropping, scaling, moving, roaming, window locking, background picture, presets, and signal preview.
- **OSD Capabilities:** Built-in OSD interface to view and control the source PC, no need for additional software. Decode and control multiple source from different KVM encoders at same time.
- **4K@60Hz lossless image:** Uses lossless compression technology to deliver ultra-high-definition 4K@60Hz video with 4:4:4 color rate, ensuring distortion-free transmission and vibrant color accuracy for an exceptional visual experience.
- **Ultra-low latency:** Achieves ultra-low latency of less than 80 ms from signal source to display, providing real-time AV transmission and smooth KVM control.
- **Synchronization display:** Employs professional synchronous display technology to ensure complete frame synchronization of video wall outputs, thus eliminating the issue of picture tearing.
- **Streaming Protocol:** Uses both H.264 and H.265 encoding and decoding streaming, supporting various 3rd party cameras, multiple network media streaming devices, and third-party security platforms for easy system upgrades and unified system management

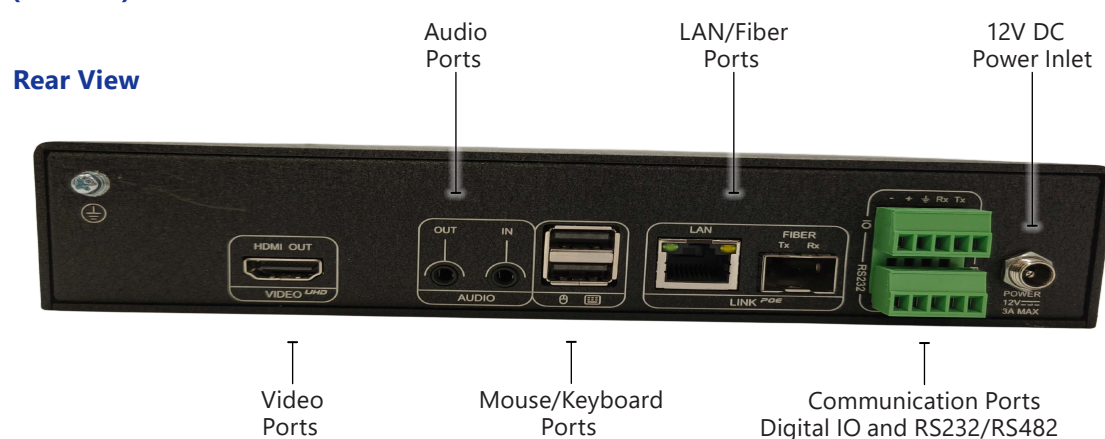
PORTS

CONNECTION PORTS	ENCODER (FAV-103)	DECODER (FAV-104)
Video	2x HDMI (In/Loop)	1x HDMI (Out)
Audio	3x 3.5mm Aux (In/Loop/Out)	2x 3.5mm Aux (In/Out)
Keyboard/Mouse	1x PS/2	2x USB-A
PC	1x USB-C	N/A
Network	1x RJ45	1x RJ45
Fiber	1x Tx 1x Rx	1x Tx 1x Rx
Device control	1x RS232/RS485 LAN	1x RS232/RS485 LAN

Encoder Panel (FAV-103)



Decoder Panel (FAV-104)

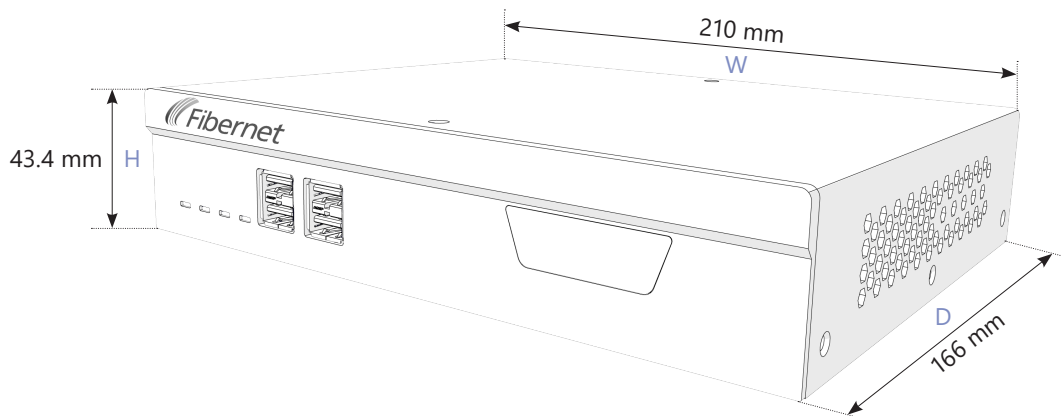


CAPABILITIES

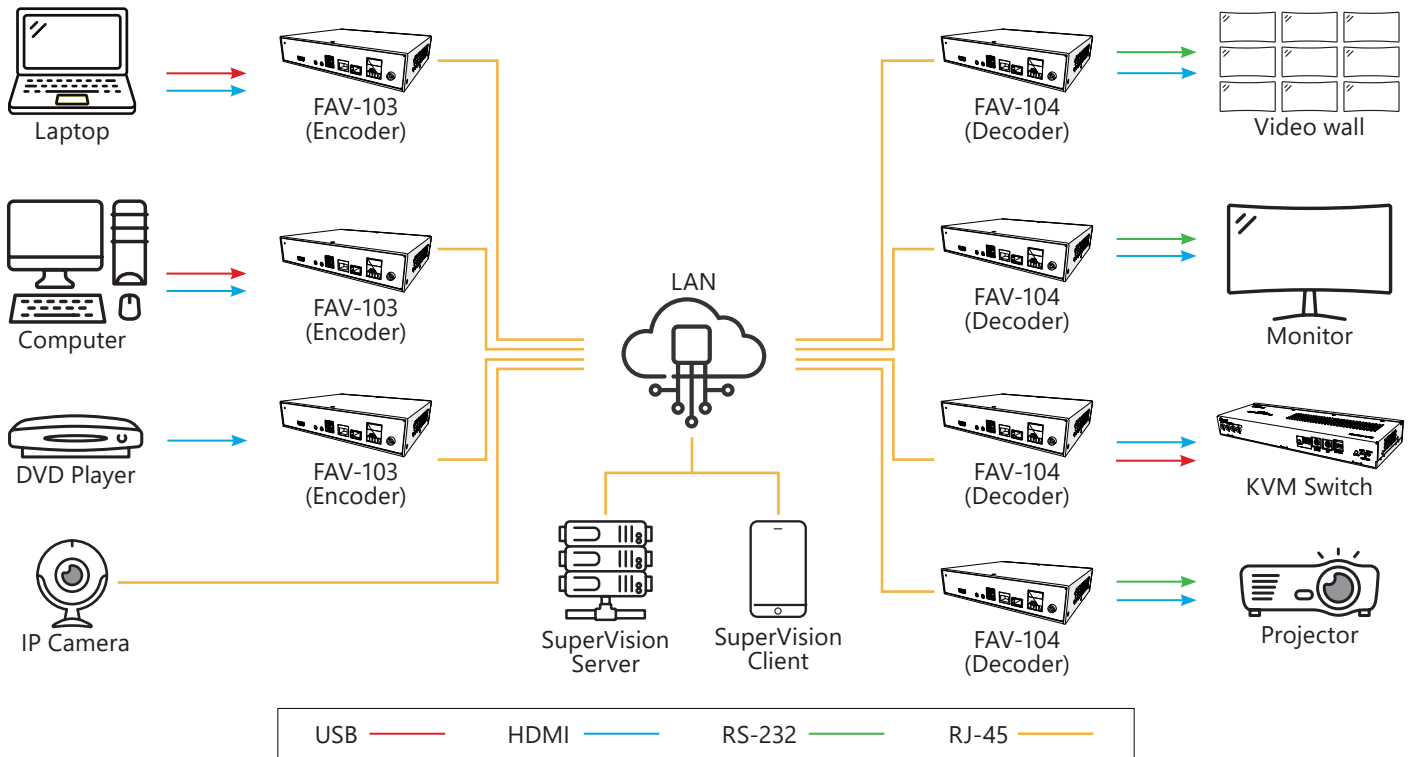
FUNCTIONS	ENCODER (FAV-103)	DECODER (FAV-104)
Matrix switching	Yes	Yes
Multiview	No	Yes
KVM function	Yes	Yes
Power over Ethernet (PoE)	Yes	Yes
Displays IP info	Yes	Yes
Background picture	No	Yes
Multi-window signal overlay FHD	No	Up to 9
Videowall	No	Yes
OSD capabilities	No	Yes

SPECIFICATIONS

GENERAL SPECIFICATIONS	ENCODER (FAV-103)	DECODER (FAV-104)
Video resolution	Up to 4K@60Hz	Up to 4K@60Hz
Video encoding	H.264/AVC or H.265/HEVC	H.264/AVC or H.265/HEVC
HDCP (high-bandwidth digital content protection)	Not supported	Not supported
Audio sampling rate	96kHz, 48kHz, 44kHz, 32kHz	96kHz, 48kHz, 44kHz, 32kHz
Input power	12V DC or PoE	12V DC or PoE
Max power consumption	15 Watts	15 Watts
Unit dimensions (H x W x D)	43.4 x 210 x 166 mm	43.4 x 210 x 166 mm
Operating temperature range	0°C to 50°C (32°F to 122°F)	0°C to 50°C (32°F to 122°F)
Storage temperature range	-20°C to 75°C (-4°F to 167°F)	-20°C to 75°C (-4°F to 167°F)
Operating humidity	Up to 90% (non-condensing)	Up to 90% (non-condensing)
Color	Black and grey	Black and grey



TYPICAL INSTALLATION LAYOUT



ORDERING INFORMATION

PART NUMBER	DESCRIPTION
FAV-103	Encoder (Tx) – KVM/AV over IP, H.264/265, up to 4K@60Hz
FAV-104	Decoder (Rx) – KVM/AV over IP, H.264/265, up to 4K@60Hz

OPTIONAL ITEMS

PART NUMBER	DESCRIPTION
FIM-HD2C-2M	HDMI2.0 CABLE 3D 4KX2K 60HZ 1080P - 2 METER
FIM-CBL-USBA-USBB-1.8M	USB A TO USB B CABLE 1.8M
Q-SFP+-10G-SR-300M	SFP MM 10G
Q-SFP+-10G-LR-10KM	SFP SM 10G
Q-SFP-1.25G-MM-500M	SFP MM 1.25G
Q-SFP-1.25G-SM-10KM	SFP SM 1.25G
Q-SFP-BWDM-20-49	1.25G SFP BWDM SMF TX1490/RX1310 LC 20KM DOM
Q-SFP+-10G-SR-3850	SFP+10GBPS MMF SR 850NM 300M FOR CISCO products
Q-SFP+-10G-LR-3300	SFP+ 10GBase-LR SMF 1310nm 10km FOR CISCO products
Q-SFP-1.25G-SR-3850	1.25G SFP MMF 850nm LC 550m DOM FOR CISCO products