FAV-100 – KVM over IP product family

Fibernet's FAV-100 devices are KVM encoders and decoders that can stream into a local network, through a RJ45 Ethernet connector, up to 4K@30 HDMI™ video, audio, USB human interface devices, RS-232 and IR sources coded using low latency open H.264 / H.265 high-definition digital video compression standards.

Every FAV-101 or FAV-101s devices connects a PC to a LAN and every FAV-102 or FAV-102s connects a display and USB keyboard and mouse to the network building a virtual matrix that can be easily routed to give extended access to the PCs in the LAN.

Applications:

- Command and Control centers
- Critical mission installations
- Surveillance systems
- Desktop terminals on secured spaces

Features:

- H.264 / H.265 compression
- 4K@30 HDMI™ maximum resolution
- Latency <90ms
- Transmits overCAT-5e / CAT-6 cables
- Requires IGMP for many-to-many switching
- Supports RTSP / RTMP
- Supports Multicast and Unicast transmission
- Powered by PoE or 12V power supply

Benefits:

- Easy installation
- High performance results
- Compatible with third party decoders
- Compatible with VLC software
- Built-in scaler
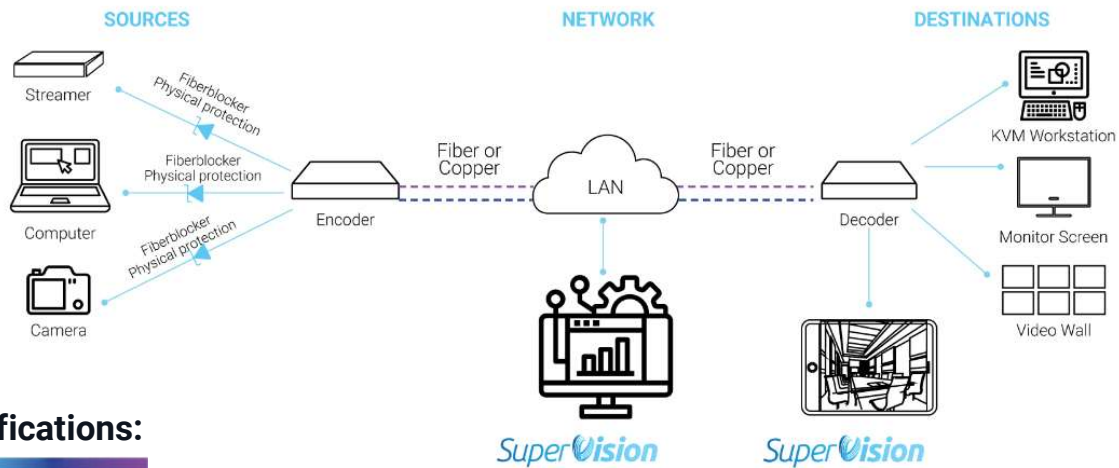- Local HDMI™ output in the encoder

Configurations:

- H.264 / H.265 encoder over IP
- RS-232 for third party devices management
- Loop HDMI™ output in the encoder
- Power mode - both 12V DC and PoE

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Specifications:

Parameter	Value
Compression	H.264 / H.265
Video Resolution	Up to 4K@30 HDMI™
Audio Format	HDMI™ audio pass though or analog audio embedding / de-embedding
Streaming Bit Rate	0-100Mbps default: 20Mbps
RS-232 Baud Rate	115200
IR Frequency	38Khz
Latency	<90ms
Connectors	1 x RJ-45, 10/100/1000Base-T PoE Ethernet port 1 x HDMI™ input 1 x HDMI™ loop output 1 x USB-B 1 x 3.5mm microphone input 1 x 3.5mm IR output 1 x 3 pin RS-232 terminal block 1 x 12V DC power
Power consumption	DC= 5.6w, for POE= 10w
Operation temperature	-5°C to +35°C (+23°F to +95°F)
Working humidity	5 to 90%RH (No condensation)
Product dimensions	220x45x178mm
Product weight	700gr'
IP Address setting	Static IP, DHCP or Auto IP

Ordering Information:

Part Number	Description
FAV-101	KVM over IP Encoder
FAV-102	KVM over IP Decoder