



4K Video Signal Management

Video Over IP Networks
Multi Scaler Viewer

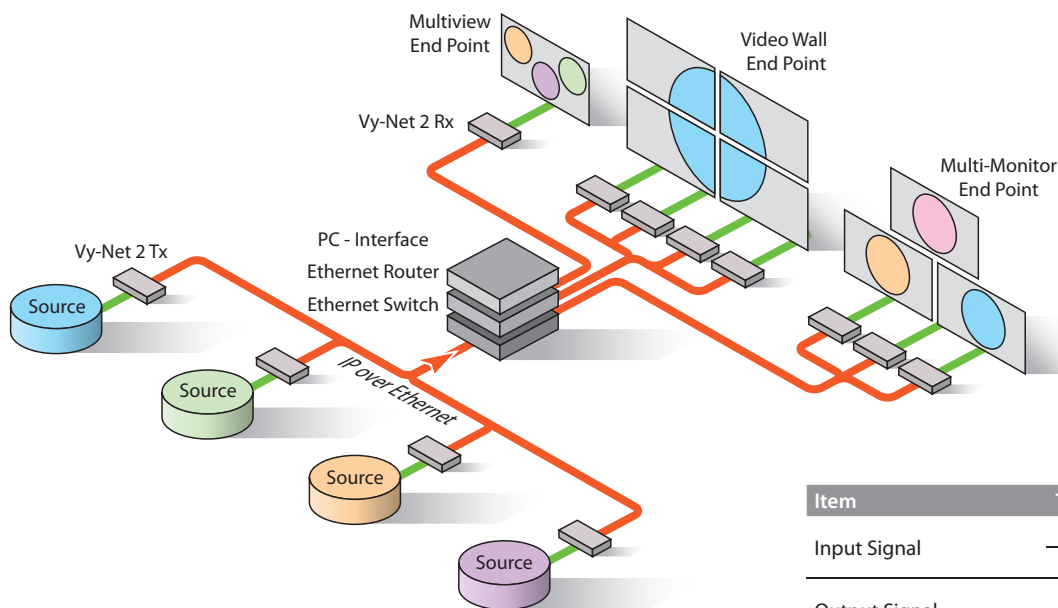
Fiber Optic Extenders
Active Optical Cables



OPHIT Vy-Net 2

Expandable Video Over IP Network

- Connects video sources to end-point destinations.
- Uses Ethernet infrastructure.
- Live preview.
- Modular, ready to expand when future needs change.
- Web-based user interface and control via the supplied PC.
- Click mouse to route, add new Rx/Tx units, name equipment.
- Other requirements: Wi-Fi router and a 10Gb network switch.



Item	TX	RX	Description
Input Signal	•		HDMI 2.0
		•	10GbE (copper)
Output Signal		•	10GbE (copper)
		•	HDMI 2.0
Maximum Resolution	3840 x 2160 @ 60Hz		
Unit Dimension (mm)	195(W) x 35(H) x 110(D)		
Power Supply	DC + 12V		
Recommended Cable	Cat6a/Cat7		

Routing Made Easy

Step 1

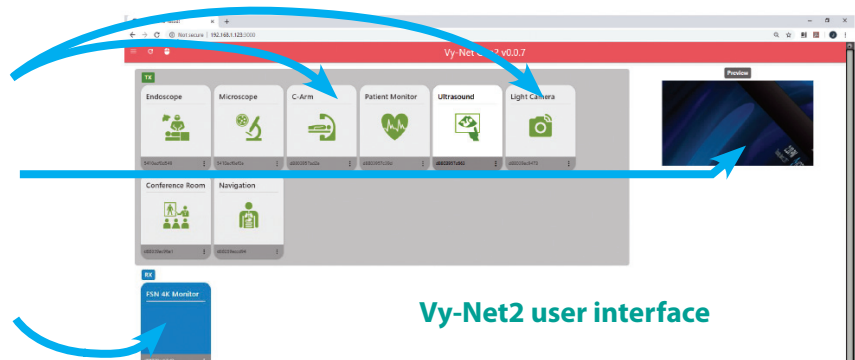
Select a source, or two sources (PiP), or 3+ sources (multi-view).

Step 2

See a preview of the selected video signal by using a Vy-Net1 encoder, or a layout representation for multiple selected sources.

Step 3

Click on a destination, typically a display monitor, and let Vy-Net2 route the video.



Vy-Net2 user interface

Fiber Optic Extenders

- Immune to electromagnetic interference (EMI).
- Favored in government, military, and medical environments (secure).
- Long distance without signal degradation.
- Compact size for easy installation.

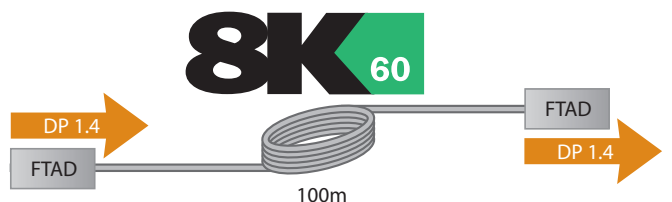


Active Optical Cable with DisplayPort

FTAD allows for a DisplayPort compliant display device to be located up to 100 meters (330 feet) away from a host.

8K UHD (7680 × 4320 @ 60Hz) resolution signals can be transmitted using the DisplayPort standard while maintaining signal integrity.

- UL listed.
- Plenum rated.
- High speed, long distance transmission.
- Use of the standard DisplayPort source-sink connector.
- MMF optical fiber plus copper hybrid cable structure.
- High bit rate cable assembly, with data rates up to 32.4Gbps.
- AUX and Hot Plug channels transmitted by copper line.
- No external power requirements.
- DPCD/HDCP compliance.

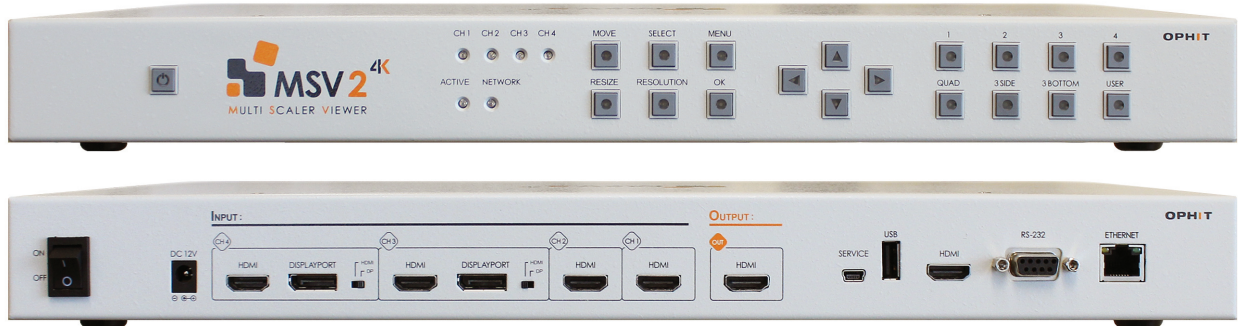


4K Multi Scaler Viewer with Preset or Custom Layouts

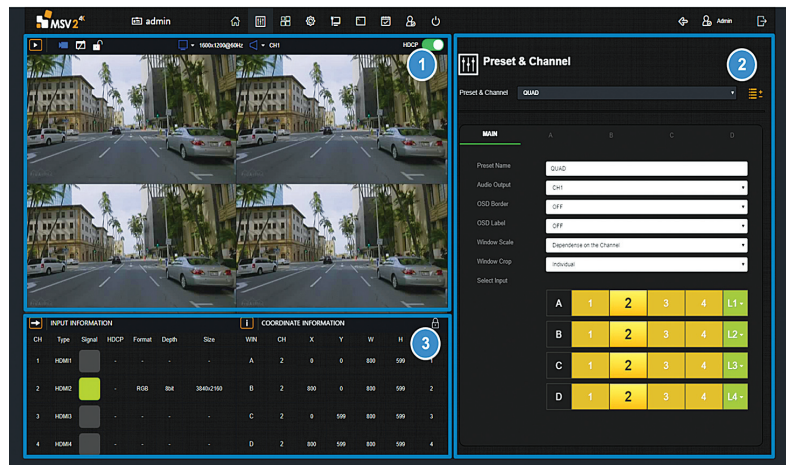
- Up to 4 video channel inputs.
- 2 dedicated HDMI input channels.
- 2 input channels can be HDMI or DisplayPort.
- Display multiple images on one screen.
- Preset or custom layouts.
- Fast channel switching.
- Web-based PC interface.
- Front panel control buttons.



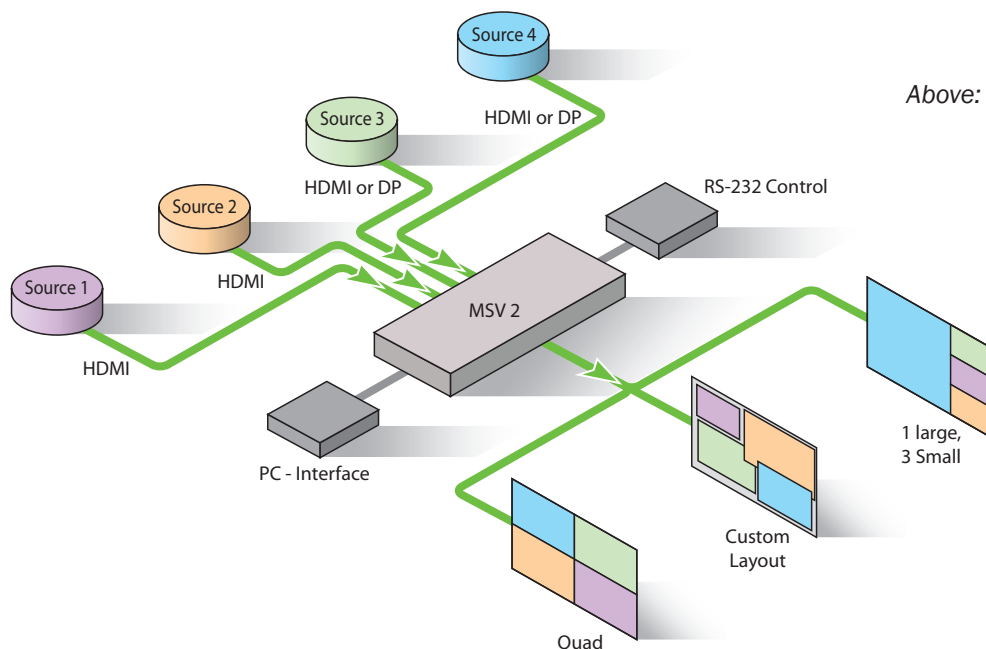
Black or ivory color.



Item	Description
Input	Signal HDMI 2.0, DisplayPort 1.2a
	Resolution Up to 4096 x 2160p@60Hz
	Ports HDMI x 2 HDMI or DisplayPort (selectable) x 2
Output	Signal HDMI 2.0
	Resolution Up to 4096 x 2160p@60Hz
	Ports HDMI x 1
Preset Modes	Quad
	3 side
	3 bottom
	Full screen (channel 1-4)
User Configurable Modes	x 5
User Control	Web-based PC interface.
	Front panel buttons.
	RS232.
Unit Dimension (mm)	436(W) x 44(D) x 213(H) 1 rack unit
Power Supply	DC +12V

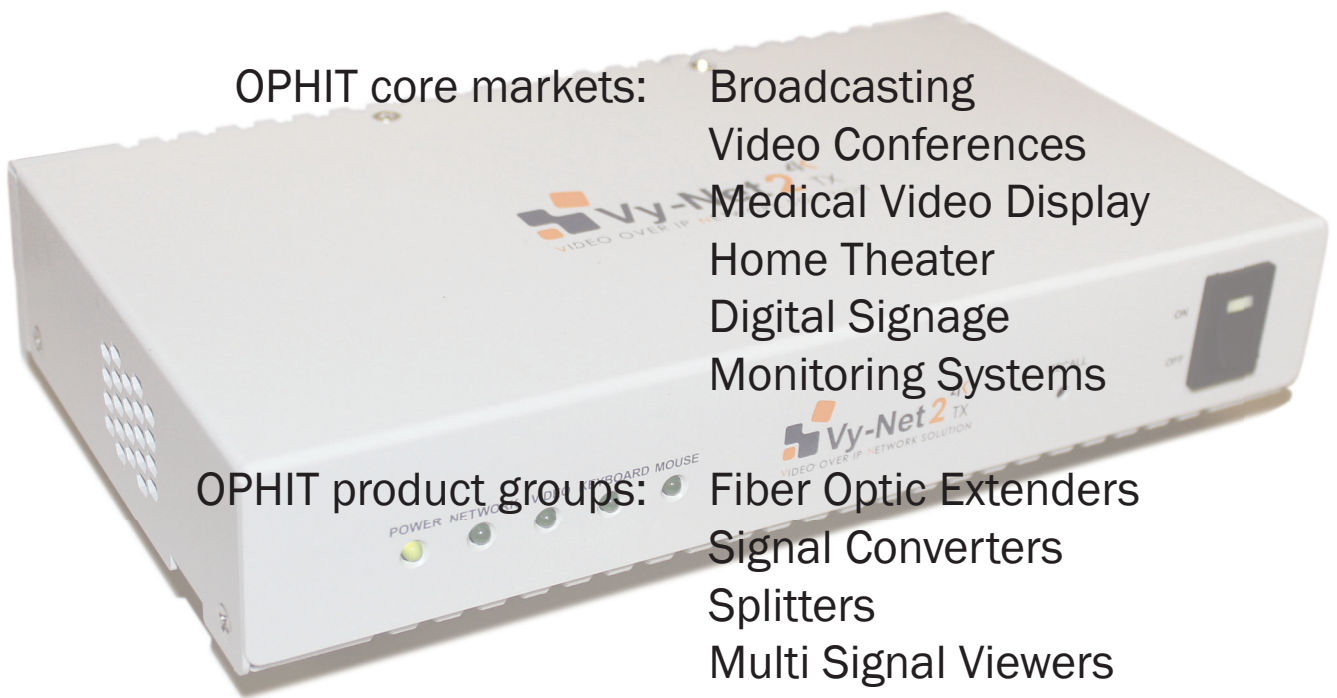


1. Preview and screen control.
2. Preset and channel options.
3. Screen, input, coordinate, output Information.



Above: **MSV 2 user interface dashboard** showing a quad layout.

- ✓ **Live preview**
- ✓ **Preset or custom layouts**
- ✓ **Control with PC/web GUI**



OPHIT core markets:

- Broadcasting
- Video Conferences
- Medical Video Display
- Home Theater
- Digital Signage
- Monitoring Systems

OPHIT product groups:

- Fiber Optic Extenders
- Signal Converters
- Splitters
- Multi Signal Viewers
- AV Over IP

www.ophitusa.com

OPHIT Korea Head Office
 #908~911/103,
 Digital Empire2, 88 Sinwon-ro,
 Yeongtong-gu
 Suwon-si, Gyeonggi-do, 16681,
 Korea
 TEL: +82-31-695-5543
 FAX: +82-31-695-5545
 E-mail: jhchoi35@ophit.com

OPHIT German Office
 ForeeseonGmbH
 Industriestrasse 38a
 63150 Heusenstamm, Germany
 TEL: +49 (0)6104 64398 10
 FAX: +49 (0)6104 64398 11
 E-mail: jason.kwon@fsnmed.eu

OPHIT UK Office
 Foreeseon UK
 Unit 71, Barwell Business Park
 Leatherhead Road,
 Chessington, Surrey
 KT9 2NY, United Kingdom
 Tel. +44-(0)208-546-1047
 FAX: +44-(0)208-546-3931
 E-mail: jason.kwon@fsnmed.eu

OPHIT USA Office
 Foreeseon USA
 2210 E. Winston Road
 Anaheim, California, 92806,
 USA
 TEL: +1-714-300-0540
 FAX: +1-714-300-0546
 E-mail: jhong@fsnmed.com