

Expandable Video Over IP Network



Connectivity That Grows With You

VyNet2 is a video over IP network solution that connects video sources to end-point destinations, using minimal hardware. The system uses Ethernet infrastructure.

VyNet2 generates uncompressed video with zero latency. It deploys quickly, integrates smoothly, and is ready to expand when future needs change.

An installation supports both switched and point-to-point deployments. A single encoder can distribute to one, multiple, or all endpoints through multicast, or operate as a direct streaming extender over Cat6a or Cat7 cabling.

Simple Interface, Powerful Features

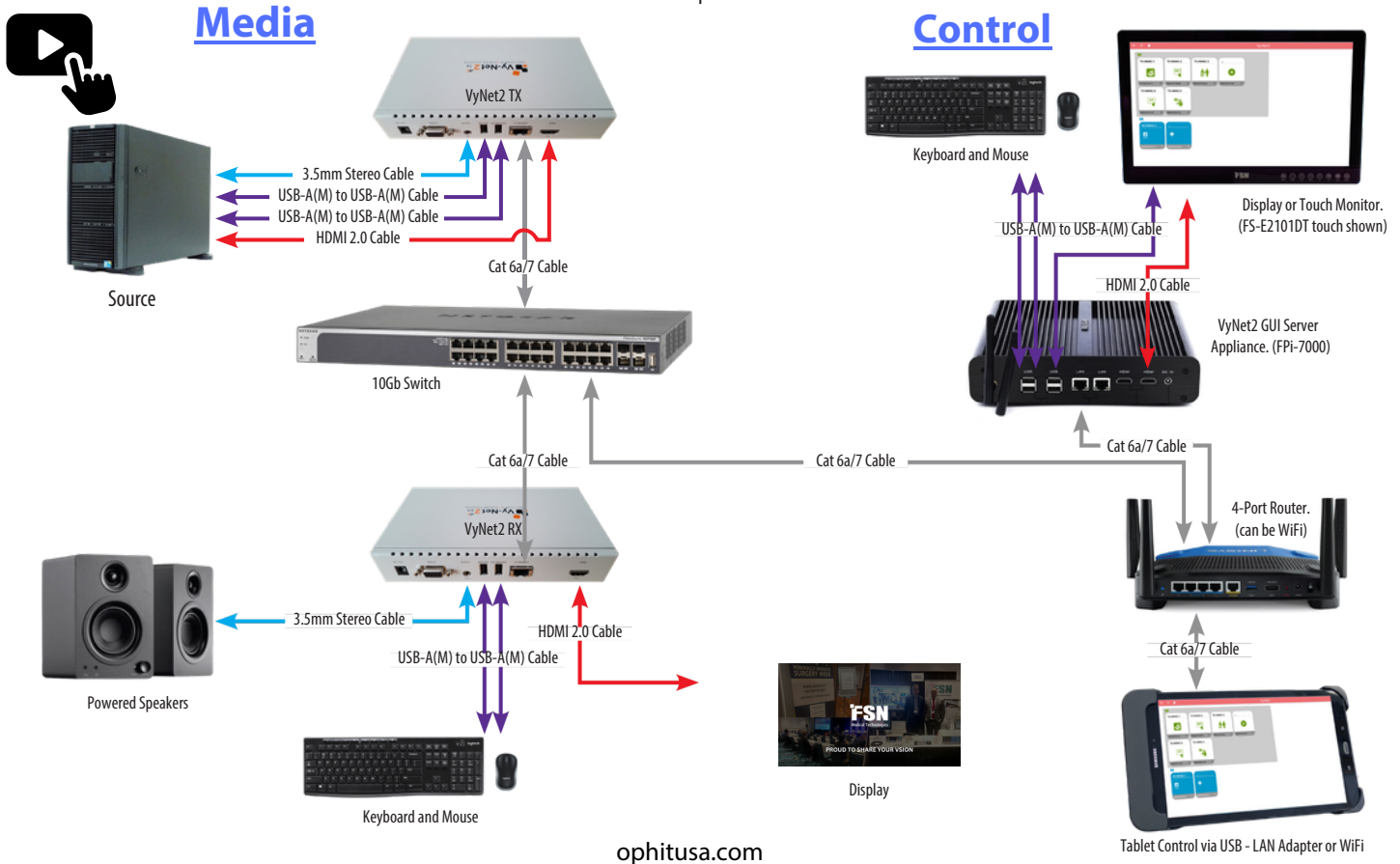
Initial setup is streamlined via the VyNet2 network interface, and controls the daily use of VyNet2 devices. The interface routes sources to monitors, up to 4K@60 fps video. The interface also allows naming of sources and monitors, previews active video signals, has a library of icons for

End-to-End Control



customization, and offers resizing/repositioning of picture-in-picture or multiview layouts. Audio and KVM functions are also available. The interface operates on any device running Chrome or Firefox browser with access to the VyNet2 network.

VyNet2 units are powered by the included power supply. Other requirements include Cat6a/Cat7 cable, and 10Gb network switch.



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General Features

Item	TX	RX	Description
Input Signal	·		HDMI 2.0
		·	10GbE (copper)
Output Signal	·		10GbE (copper)
		·	HDMI 2.0
Maximum Resolution	·	·	3840 x 2160 @ 60Hz
Keyboard Connector	·	·	USB A-Type x 1
Mouse Connector	·	·	USB A-Type x 1
Audio Connector	·	·	Phone Jack, 3.5 mm

Item	TX	RX	Description
Unit Dimension	·	·	195(W) x 35(H) x 110(D) mm
			7.68(W) x 1.38(H) x 4.33(D) inch
Power Supply	·	·	DC + 12V
Operating Temperature	·	·	0° - 40° C, 32° - 104° F
Relative Humidity	·	·	1 - 80%, non-condensing
Recommended Cable	·	·	Cat6a/Cat7
Weight	·		600g, 1.32 lbs.
		·	605g, 1.33 lbs.



Receiver/Decoder



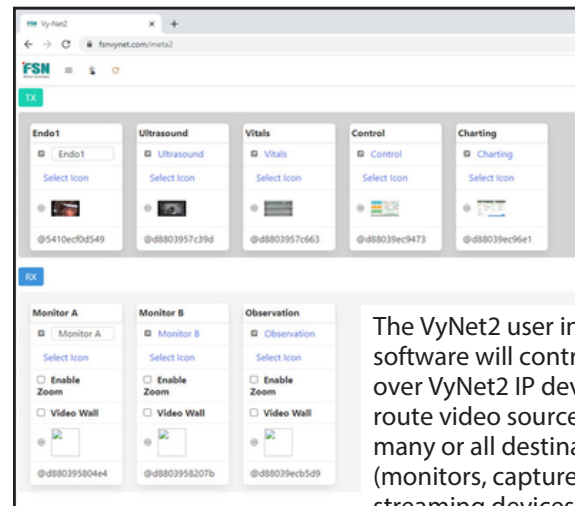
Transmitter/Encoder

VyNet2 system components

- VyNet2 TX/RX (4K video over IP devices)
- FPI-7000 (VyNet2 GUI server appliance) •
- Optional FSN 10.1" table
- Optional FSN 21.5" or 27" touch monitor
- Optional FSN IPS740A 4K recorder

Required third-party components (sourced independently)

- Level3, 10-Gigabit smart managed network switch. Verified- Netgear M4300 series up to 96-port, SDVOE-ready
 - Cat6a/Cat7 network cabling
 - HDMI 2.0 video cabling
 - Optional (If wireless control device is used) 4-port 1-Gigabit WiFi router, verified - Linksys WRT1900ac
 - Optional USB Keyboard & Mouse with scroll wheel
- Web browser (Chrome verified)



The VyNet2 user interface software will control video over VyNet2 IP devices, and route video sources to one, many or all destinations (monitors, capture and streaming devices etc.). KVM, audio and RS232 functions are also available.

*Brackets are available for mounting VyNet2

Specifications are subject to change with or without notice.

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LINK: VyNet2
PRODUCT PAGE

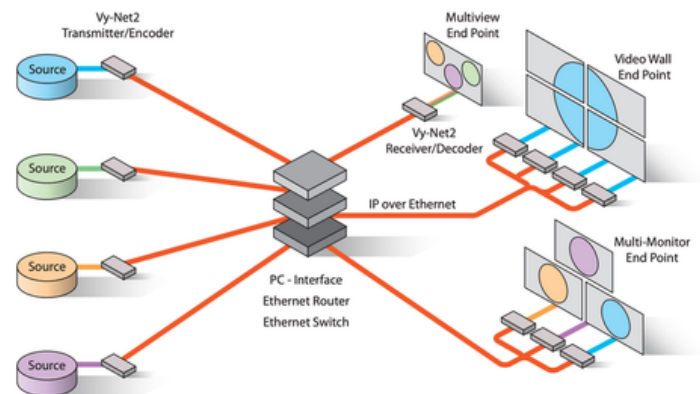
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Power Up Sequence

For boot up:

1. Turn on control PC (Fyi-7000) & Netgear M4300 Switch
2. Turn on DHCP Server (if separate from control PC)
— Wait for both step 1 and step 2 to fully power up before proceeding to step 3:
3. Turn on VyNet Tx and Rx units (order of Tx or Rx does not matter).
4. Turn on sources/destinations.
5. Open web browser and go to VyNet controls.

*If preview is not appearing, refreshing the page may be required.



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