

Our **AV-Over-IP system for Gigabit Ethernet networks**, the VINX series devices are popular products, which can also run in point-to-point configuration and have diverse application possibilities, especially recommended for applications where scalability, flexibility and rapid deployment are in focus.

They are **simple to install and to operate**, and have **numerous built-in services** most other manufacturers only provide for an extra cost.

The open API of the VINX devices allow easy integration with third party systems.



VINX
VIDEO NETWORK EXTENDER

EXTENDER | VIRTUAL MATRIX VIDEO WALL PROCESSOR | K+M EXTENDER

VINX can be expanded from a simple **point-to-point application to unlimited endpoints** for the ultimate in **virtual matrix switching, digital signage and signal extension**. The extenders include our **Advanced EDID Management** system and decoders are capable of **scaling the video signal up to 4K UHD @ 30 Hz**. **RS-232 and IR control** channels are supported. The built-in **USB ports support K+M function** and can also handle **USB 2.0 mass storage**. The units are **HDCP compliant** and their streaming **maximum bitrate is variable** between 10 Mbps and 800 Mbps. One of the most popular of unique features of VINX is the **Video Wall Wizard**, reducing the time needed to install a video wall to a fraction of the time needed with other systems. The feature options include **gap and bezel adjustment**, which can be **performed in batch**.



VINX-120-HDMI-ENC

BUILT-IN CROSSPOINT VIEW

VINX series also features crosspoint view: available in both the **free Lightware Device Controller (LDC) management software** and the **built-in web** in the devices, the crosspoint view **shows the available input and output ports of the connected encoder and decoder units**, and allows switching the signals across them. The **signal can also be switched to a video wall output** assembled from several VINX units and **acting as a single display sink**. A special keyboard combination can be linked with various sources to switch signals on a decoder.



VINX-110-HDMI-DEC

WALLPLATE AV OVER IP SCALING MULTIMEDIA EXTENDER WITH USB K+M AND POE SUPPORT

The operation of WP-VINX-110P-HDMI-ENC and VINX decoders can be expanded from a simple point-to-point application to unlimited endpoints for the ultimate in virtual matrix switching, digital signage and signal extension. The extenders include our Advanced EDID Management system and decoders are capable of scaling the video signal up to the maximum supported resolution of 4K UHD @ 30 Hz. The built-in USB ports support K+M function and can also handle USB 2.0 mass storage. The units are HDCP compliant.



WP-VINX-110P-HDMI-ENC



VINX
VIDEO NETWORK EXTENDER



SILENT OPERATION

The efficient design of all VINX models allows **passive, fanless cooling**. Unlike other third party models in this product category, VINX have **noiseless operation**, fitting even the most silent application environments.

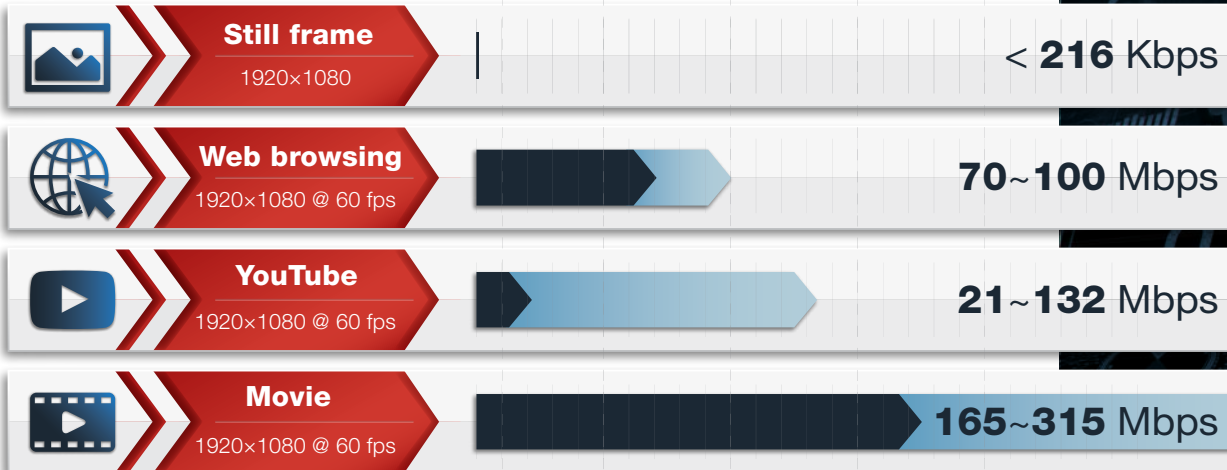
SMART BANDWIDTH MANAGEMENT VARIABLE BITRATE, MOVIE AND GRAPHICS MODES

The built-in, selectable **Movie and Graphics Modes** optimize streaming and compression to match the transferred media. The **Video Stream Bandwidth** feature provides an even more accurate adjustment option for smart bandwidth management.

BANDWIDTH LIMITATION



Mbps



We have developed a 3 RU sized PRC-16 Powered Rackmount Cage for VINX-120-HDMI-ENC and VINX-110-HDMI-DEC, which allows **convenient mounting for up to 16 VINX devices** in any combination, also **providing power** for the mounted units.

PRC-16-205

POWER TRAY FOR EASY MOUNTING





VINX
VIDEO NETWORK EXTENDER

MODELS WITH **REMOTE POWER** AND **ENHANCED AUDIO CAPABILITIES**

The four latest VINX models feature **options for fiber optical transmission** in the form of an **SFP port** and also maintain **great audio features** besides the product capabilities already introduced in the previous models, with one of the encoders (VINX-120AP-HDMI-ENC-DNT) also offering **Dante Audio/AES67 support**.

The new VINX devices can be powered by **PoE remote powering**. Contrary to common belief, PoE systems, like **VINX**, can run on much less power than PoE+ devices, contributing to carbon footprint reduction and energy saving. Nevertheless, VINX devices can also receive power from PoE+ sources as well.



VINX-110AP-HDMI-DEC

- Analog audio output port for audio de-embedding
- PoE remote powering



VINX-120AP-HDMI-ENC

- Analog audio input port for audio embedding
- PoE Remote Powering
- Local HDMI output port for monitoring



VINX-120AP-HDMI-ENC-DNT

Dante® / AES67 Audio output

- Analog audio input port for audio embedding
- PoE Remote Powering
- Local HDMI output port for monitoring



VINX-210AP-HDMI-ENC

- Analog audio input port for audio embedding
- PoE Remote Powering
- HDMI and VGA inputs



VINX
VIDEO NETWORK EXTENDER

COMPARISON TABLES OF AVAILABLE **VINX MODELS**

	VINX-120-HDMI-ENC	VINX-120AP-HDMI-ENC	VINX-120AP-HDMI-ENC-DNT	VINX-210AP-HDMI-ENC	WP/FP-VINX-110P-HDMI-ENC
AV Ports of Encoders					
HDMI input	✓	✓	✓	✓	✓
VGA input	✗	✗	✗	✓	✗
HDMI local output	✓	✓	✓	✗	✗
Analog audio input	✗	✓	✓	✓	✗
Dante / AES67 Audio output	✗	✗	✓	✗	✗

	VINX-110-HDMI-DEC	VINX-110AP-HDMI-DEC
AV Ports of Decoders		
HDMI output	✓	✓
Analog audio input	✗	✓

	VINX-120-HDMI-ENC	VINX-120AP-HDMI-ENC	VINX-120AP-HDMI-ENC-DNT	VINX-210AP-HDMI-ENC	VINX-110-HDMI-DEC	VINX-110AP-HDMI-DEC	WP/FP-VINX-110P-HDMI-ENC
Ethernet and Control Ports							
RJ45 Ethernet	✓	✓	✓	✓	✓	✓	✓
SFP Ethernet	✗	✓	✓	✓	✗	✓	✗
RS-232	RJ12	9-pole D-sub	9-pole D-sub	9-pole D-sub	RJ12	9-pole D-sub	✗
USB	Mini USB Type B	USB Type B	USB Type B	USB Type B	4x USB Type A	4x USB Type A	USB Type B

Video Features							
Image resolution	3840 x 2160 @ 30Hz	3840 x 2160 @ 30Hz	3840 x 2160 @ 30Hz	3840 x 2160 @ 30Hz	3840 x 2160 @ 30Hz	3840 x 2160 @ 30Hz	3840 x 2160 @ 30Hz
EDID Management	Advanced Management	Advanced Management	Advanced Management	Advanced Management	Transparent	Transparent	Advanced Management
HDCP	HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 2.2
Scaling	✗	✗	✗	✗	✓	✓	✓

Powering and Mounting							
Local Power	5V	12V	12V	12V	5V	12V	5V
PoE Remote powering	✗	✓	✓	✓	✗	✓	✓
RU Width for rack mounting	1/4	1/2	1/2	1/2	1/4	1/2	✗
Power Rack Tray compatibility	✓	✗	✗	✗	✓	✗	✗

