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 | KVM 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 **KVM 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

LIGHTWARE DEVICE CONTROLLER

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

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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.
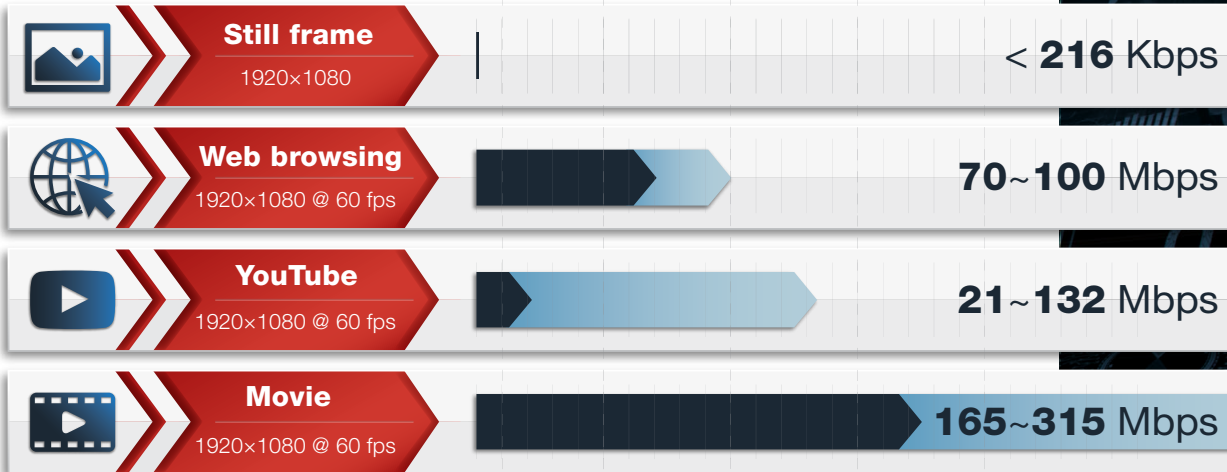
SMART BANDWIDTH MANAGEMENT
VARIABLE BITRATE, MOVIE AND GRAPHICS MODES

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   **10**   **50**   **100**   **150**   **200**   Mbps

Still frame 1920×1080		< **216** Kbps
Web browsing 1920×1080 @ 60 fps		**70**~**100** Mbps
YouTube 1920×1080 @ 60 fps		**21**~**132** Mbps
Movie 1920×1080 @ 60 fps		**165**~**315** 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

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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
VIDEO NETWORK EXTENDER

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**

COMPARISON TABLES
OF AVAILABLE VINX MODELS

VINX
VIDEO NETWORK EXTENDER

	VINX-120-HDMI-ENC	VINX-120AP-HDMI-ENC	VINX-120AP-HDMI-ENC-DNT	VINX-210AP-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
Ethernet and Contol 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
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
EDID Management	Advanced Management	Advanced Management	Advanced Management	Advanced Management	Transparent	Transparent
HDCP	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
PoE Remote powering	✘	✔	✔	✔	✘	✔
RU Width for rack mounting	1/4	1/2	1/2	1/2	1/4	1/2
Power Rack Tray compatibility	✔	✘	✘	✘	✔	✘

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