

AV Over IP Scaling Multimedia Extender with USB KVM, RS232 and IR



VINX-110-HDMI-DEC

Description

VINX-110-HDMI-DEC is a LAN based decoder multimedia device to extend HDMI video from a remote source to a local sink. The VINX encoder and decoder devices connect either via a direct CATx cable connection, or through a Gigabit Ethernet Switch in between. The maximum delivery distance can reach up to 100 m with minimal latency and employing a quality, proprietary wavelet transform based image compression.

The maximum supported resolution is 3840 x 2160 @ 30Hz with 7.1 audio.

VINX devices support both static and dynamic (DHCP) IP address settings. 100 factory EDID presets and five user EDIDs are stored in the decoder. These units feature embedded web for control.

Front panel DIP switches serve quick manual setting for pairing maximum 15 encoder devices to decoders over the network, a quick and easy installation advantage for digital signage applications. Gap and bezel compensation can be adjusted for video walls. Scaling is available on the decoder side and videos can be freely cropped. With the help of the VINX Video Wall Wizard, installation of a video wall can be reduced to one tenth of the usual time needed when using similar, third party products.

Network Requirements

1GbE network with Layer 3 switch (IGMPv2, IGMP Snooping, IGMP Fast Leave, Jumbo Frame Support, Multicast Filtering).

Highlight Features

- 3840 x 2160 @ 30Hz resolution over a 1 Gigabit network with very low latency
- Up to HDMI 2.0 4K 2160p@60Hz 4:2:0 Video Input supported
- Audio supports LPCM and Dolby Digital /Dolby Digital Plus/DTS/ Dolby TruHD/DTS-HD bit stream
- HDCP compliant
- Local HDMI port for monitoring on the TX
- Variable maximum bit rate (10 Mbps ~ 800 Mbps)
- USB pass-thru for IP KVM application
- LED feedbacks, DIP switches and physical buttons for quick and easy setup and operation
- Embedded web control, direct and networked control via PC
- The device can be controlled via Lightware's proprietary LW3 protocol commands
- Gap and bezel compensation for video wall applications, cropping adjustment capability
- Output video signal scaling to adjust to sink properties

Recommended Applications

- Shopping malls and video walls
- Sports bars
- Schools/universities
- Server farms (KVM)
- Corporate meeting rooms
- Multiroom ocean cruisers

Specifications

Component Type	Receiver
Dimension (Lx W x H)	140 x 119 x 26 mm
AV Interface	HDMI Female (Out)
USB Device	USB Type A Female x 4
Power consumption	Max 5W
TX/RX Connector	RJ45 Female
Switch	4 Position Dip Switch
IR	3.5mm Jack Female
RS-232	RJ12 Female
Max Image Resolution	3840 x 2160 @30Hz
Power Adapter	DC 5V
Operation Temperature	0 ~ 40°C
Storage Temperature	-20 ~ 60°C
Humidity	0~90% RH, Non-condensing
Weight	310g
Housing	Metal enclosure
Safety / Emission	CE, FCC

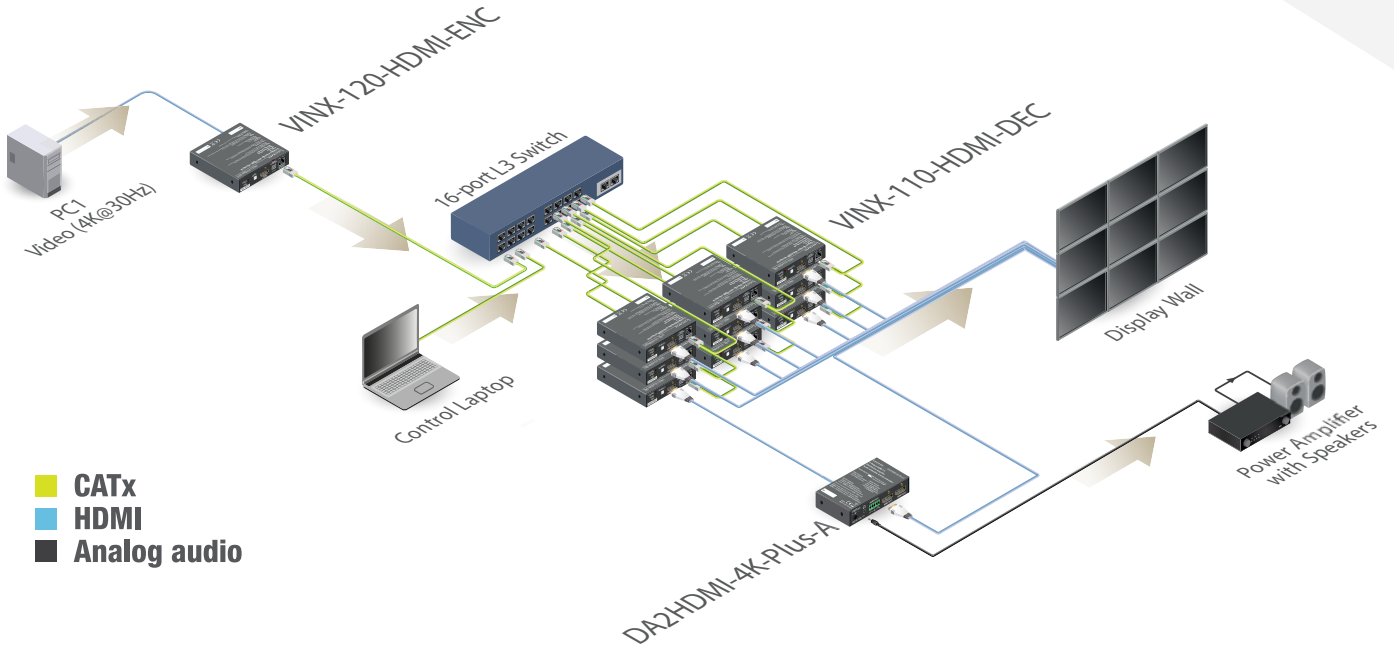
Supported Video Formats

Resolution	Refresh Rate (Hz)
640 x 480	50/59/60/72/75
720 x 480 (480P)	56/59/60/72/75
720 x 576 (576P)	50/60/70/72/75
800 x 600	56/60/70/72/75
1024 x 768	60/70/72/75
1152 x 864	50/69/60/75
1280 x 600	50/59/60
1280 x 720 (720p)	50/59/60/75
1280 x 768	50/59/60/75
1280 x 800	50/59/60/75
1280 x 960	50/59/60
1280 x 1024	50/59/60/75
1280 x 768	50/59/60/75
1280 x 768	50/59/60/75

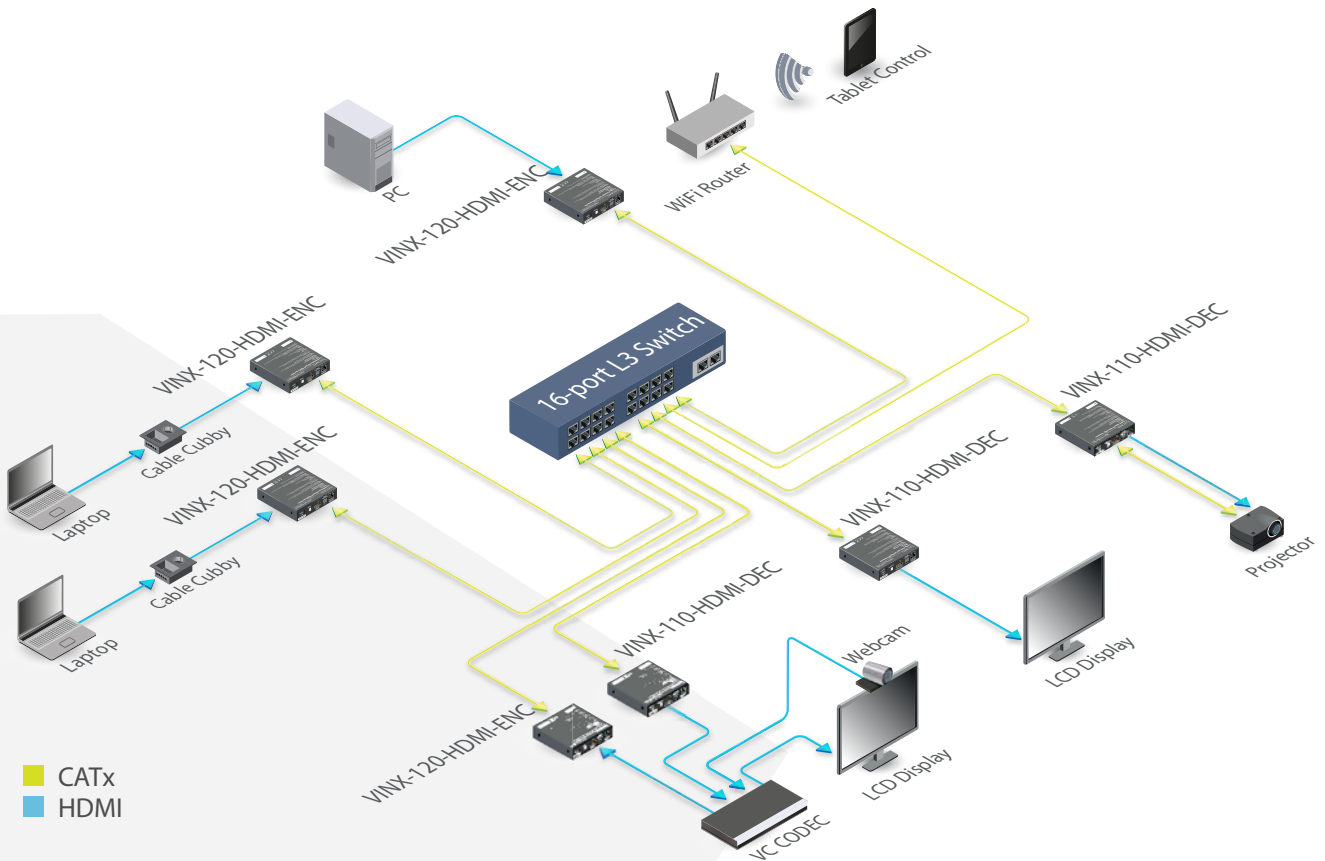
Resolution	Refresh Rate (Hz)
1400 x 1050	50/59/60
1440 x 900	50/59/60/70/75
1600 x 900	50/59/60
1600 x 1024	59/60
1600 x 1200	50/60
1680 x 1050	59/60
1920 x 1080i	25/29/30
1920 x 1080 (1080P)	50/59/60
1920 x 1200	50/60
2560 x 1080	24/25/30/60
2560 x 1200	30/60
2560 x 1600	60
3840 x 2160	24/25/30/60
4096 x 2160	24/25/30/60

Network AV Application

Video Wall



Video Conference Room



Video Seminar Studio

