



A dual channel VIDEODSP™ product unmatched in scalability, quality, and overall value, the VIEW Pro E120 Encoder promises AV streaming and delivery that is uncompromised in clarity, ease of use and deployment, and efficiency.

The E120 supports all AV inputs for digital media distribution via your current IP networks and infrastructure to all endpoints—from video wall screens to single, large-display screens and laptops or mobile devices.

A variety of input ports—HDMI AV; balanced, unbalanced audio; and control ports such as serial, infrared, and general purpose give a superior AV experience.

Ultra High-Quality Video

- + High-profile H.264 lossless compression
- + Full HD 1080p60 resolution
- + 24-bit true color with 4:4:4 color space
- + Ultra low latency - end to end
- + Full HDCP support

Unlimited Scalability

- + Any number of inputs & outputs, any combination
- + One source to many displays
- + Many sources to one display
- + Many sources to many displays

Flexible Control

- + VIEW Virtual Matrix control application
- + Matrix view of all live sources & destinations
- + In-room controller - touch panel & web
- + 3rd party control - AMX, Crestron, Uteology

Standards-based

- + Existing IP network infrastructure
- + Uses standard CAT 5e/6 cabling
- + Interoperates with 3rd-party systems
- + RTSP/UDP streaming

Video Composition & Video Wall

- + Software License
- + Video-wall, Video-Composition and Video-Windowing
- + Layout management
- + Text overlay, screen rotation

Configuration & Management

- + Auto-discovery of encoders & decoders
- + Device configuration & management
- + Project management
- + System monitoring & troubleshooting



APPLICATIONS

Corporate

Education

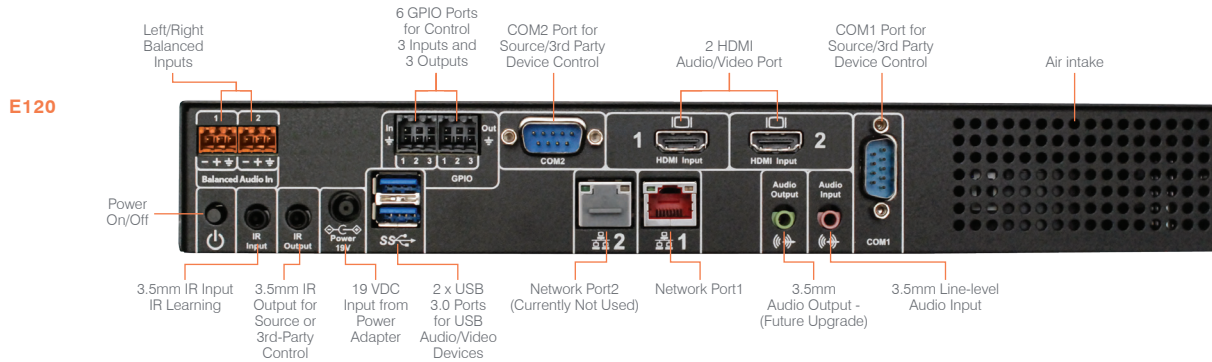
Command & Control Centers

Telemedicine & Healthcare

Hospitality & Entertainment

Transportation

Houses of Worship



PRODUCT SPECIFICATIONS

Video

Digital Video Connection:

X2 HDMI 1.4a input

Supported Resolutions:

1080p60 1920×1080
 WUXGA 1920×1200 (scaled resolution)
 HD720 1280×720
 UXGA 1600×1200
 WSXGA+ 1680×1050
 SXGA+ 1440×1080 & 1440×1050
 WXGA 1440×900
 SXGA 1280×1024
 XGA 1024×768
 SVGA 800×600
 VGA 640×480
 X2 via HDMI input port

Compression Standard:

H.264/MPEG4 Part 10 (AVC)
 Baseline, Main, High profiles up to 4.2

Color Space Support:

24-bit
 RGB 4:4:4
 YCbCr 4:2:0

HDCP 2.1 Support:

X2

Scaling Support

Audio

2 CH Audio Encoding

LPCM (Uncompressed) MPEG4 AAC-LC
 Sample Rate: (KHz); 11, 22, 24, 32, 44.1, 48, 96, 128, 192
 Bit Rates: (Kbps); 32, 96, 128, 192, 320

2 CH Balanced Analog Audio Input

THD+N = .006% @20dBu
 Dynamic Range: 106dB
 Frequency Response: +/- 0.5dB (20->20KHz)
 Crosstalk: -80dB
 Removable Phoenix 3.55mm (3 pos × 2)

2 CH Unbalanced Analog Audio Input

THD+N = -84dB, Dynamic Range = 90dBA
 SNR = 95dBA
 Crosstalk = -80dB, 3.5mm phone jack (T/S/R 3 pos.)

Digital Audio I/O

X2 input via HDMI ports

USB Audio

X1 input

Networking, Channels and Protocols

10/100/1000 RJ45:

X2 Gigabit ports

Video Streams (Channels):

Up to 2 1080p@60Hz or 1920×1200@57Hz

Audio Streams (Channels):

Stereo or multi-ch pass through
 4 Streams (2 Analog (Stereo) and 2 Digital (Stereo or multi-ch))

StreamNet Discovery & Control:

Requires StreamNet 3.1x or higher

Control

Serial RS232 Port:

DB9

IR Output:

3.5mm phone jack (T/R 3 pos.)
 (Compatible with StreamNet and other IR Emitters)

IR Input:

3.5mm phone jack (T/S/R 3 pos.)
 (Compatible with StreamNet IR Sensor only)

USB 3.0, 2.0:

Future support

GPIO Inputs:

X3, removable Phoenix 3.55mm (6 pos × 1)
 Contact Closure sensor input

GPIO Outputs:

X3, removable Phoenix 3.55mm (6 pos × 1)
 Latching Relay Contact Closure output 20V@1A Max

General

Power:

19VDC / @2A Normal Operation / @6A Max

Rear Panel Power Button:

Short press safe power cycle / long press forced shut down

Power LED Color Status:

State	LED Color
Normal	Blue
Boot	Green
Error	Red
Upgrade	Amber

PRODUCT SPECIFICATIONS

Mechanical

Dimensions (W x H x D):

12.2" × 7.4" × 1.75"
(310mm × 188mm × 44.4mm)

Weight (Unit):

5.3Lbs (2.4Kg)

Mounting:

Wall Mount
Rack Mount
VESA mount 100x100 mm bracket

Operating Temperature:

32 to 104 °F (0 to 40 °C)

Items Included:

Power supply
Rack mount ears

Part Number

910-0000-001

Software Licenses

StreamNet Audio license: 910-0000-002

Audio Mixing License: 910-0000-003

PANORAMA™ Video composition license:
910-0000-004

Multicast RTSP/UDP License: 910-0000-005

VIEW Pro Accessories

VIEW Pro Rack mount: 910-0002-001

VIEW Pro Wall mount: 910-0002-002

VIEW Pro IR Receiver: 910-0002-004

VIEW Pro IR Receiver & Emitter: 910-0002-005

VIEW Pro VESA bracket: 910-0002-006

Other VIEW Pro Products

VIEW Pro Encoder E110: 910-0000-006

VIEW Pro Decoder D110: 910-0001-001

VIEW Pro Decoder D210: 910-0003-001

VIEW Pro Decoder D310: 910-0003-002

SALES AND INQUIRIES

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