



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
- + 3<sup>rd</sup> party control - AMX, Crestron, Utelogy

### 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

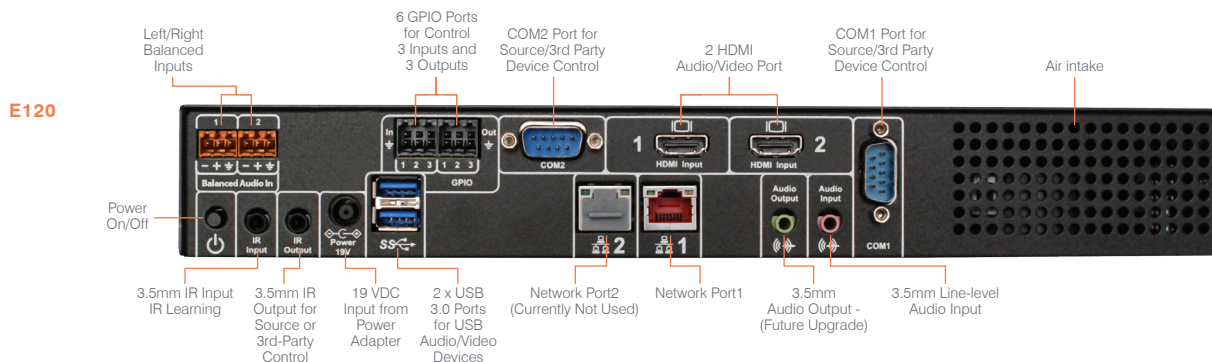
Command & Control Centers

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 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 D210: 910-0003-001

### SALES AND INQUIRIES

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