



A single channel VIDEODSP™ product unmatched in scalability, quality, and overall value, the VIEW Pro E110 Encoder promises AV streaming and delivery that is uncompromised in clarity, ease of use and deployment, and efficiency.

The E110 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; various control ports including serial, infra red, and general purpose enable 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 in 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, Utology

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

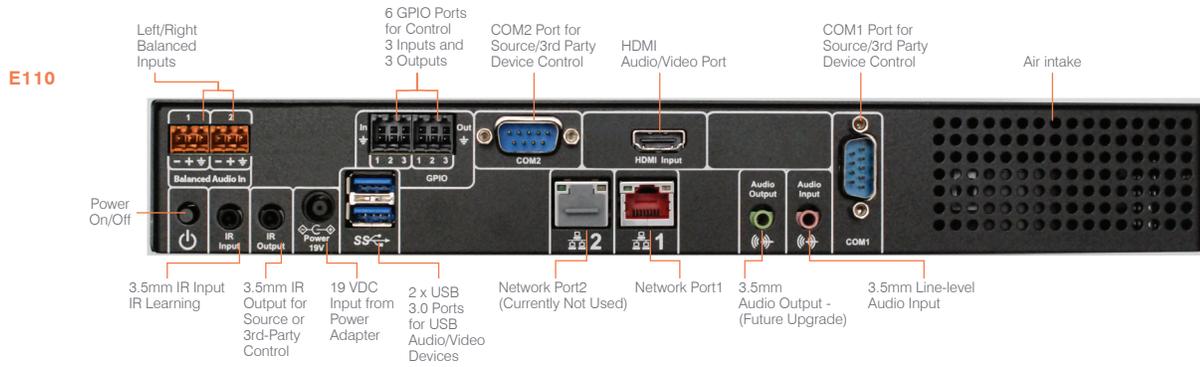
Command & Control Centers

Telemedicine & Healthcare

Hospitality & Entertainment

Transportation

Houses of Worship



PRODUCT SPECIFICATIONS

Video

Digital Video Connection:

X1 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
 X1 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

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:

X1 input via HDMI ports

USB Audio:

X1 input (future)

Networking, Channels & 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

PRODUCT SPECIFICATIONS

Power LED Color Status:

State	LED Color
Normal	Blue
Boot	Green
Error	Red
Upgrade	Amber

Mechanical

Dimensions (W x H x D):

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

Mounting:

Wall Mount
Rack Mount
VESA Mount 100x100 Bracket

Operating Temperature:

32 to 104 °F (0 to 40 °C)

Items Included:

Power supply
Rack mount ears

Part Number

910-0000-006

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 E120: 910-0000-001

VIEW Pro Decoder D110: 910-0001-001

VIEW Pro Decoder D210: 910-0003-001

VIEW Pro Decoder D310: 910-0003-002

SALES AND INQUIRIES

Headquarters

5225 Wiley Post Way,
Suite 500
Salt Lake City, UT 84116

US & Canada

Tel: 801.975.7200
TollFree: 800.945.7730
Fax: 801.303.5711

International

Tel: +1.801.975.7200
global@clearone.com

Sales

Tel: 801.975.7200
sales@clearone.com

TechSales

Tel: 801.974.3760
techsales@clearone.com

TechSupport

Tel: 801.974.3760
tech.support@clearone.com