ClearOne® VIEW® Pro | Multimedia Streaming & Distribution

ClearOne's VIEW® Pro delivers the highest-quality multimedia streaming on an existing IP network.

Experience the ultimate 4:4:4, true-color digital media distribution— unmatched in scalability and ease of deployment.
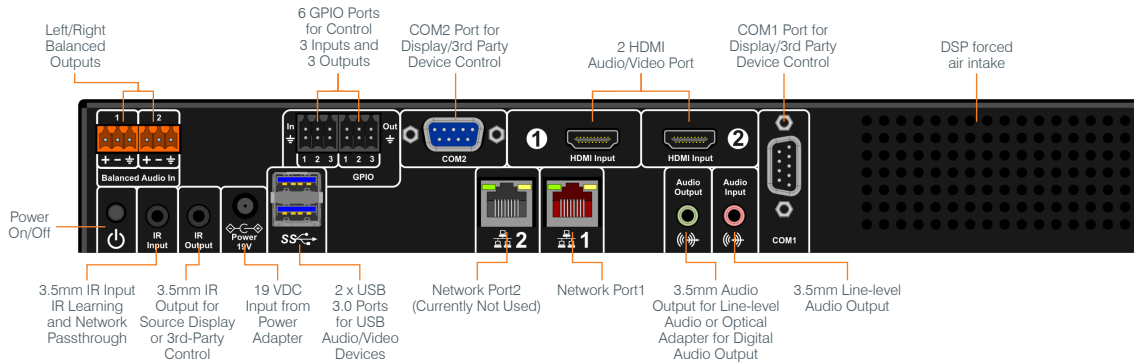

Venues

Corporate Communications

Hospitality and Entertainment

Education

Healthcare

Houses of Worship

Digital Signage

Features

+ Efficient H.264-based multimedia streaming with lossless compression, high-profile encoding

+ Very low end-to-end latency

+ Standard computer resolutions hot-swap supported, up to 1920x1200@60, scaling by decoder to match the connected display

+ High-quality video with 4:4:4 and 4:2:0 color space support and video scaling

+ Standards-based streaming formats: (RTP/RTSP)

+ Compatible with StreamNet® technology for auto-discovery and selection, configuration, and simple control using TouchLinX and VIEW Virtual Matrix software

+ RS232, GPIO, and IR support for trigger and control events

+ Full HDCP support

+ Control software on Windows®, Android™ & iOS

Left/Right Balanced Outputs

6 GPIO Ports for Control 3 Inputs and 3 Outputs

COM2 Port for Display/3rd Party Device Control

2 HDMI Audio/Video Port

COM1 Port for Display/3rd Party Device Control

DSP forced air intake

Power On/Off

3.5mm IR Input IR Learning and Network Passthrough

3.5mm IR Output for Source Display or 3rd-Party Control

19 VDC Input from Power Adapter

2 x USB 3.0 Ports for USB Audio/Video Devices

Network Port2 (Currently Not Used)

Network Port1

3.5mm Audio Output for Line-level Audio or Optical Adapter for Digital Audio Output

3.5mm Line-level Audio Output

Functional Specifications

VIDEO
DIGITAL VIDEO CONNECTION(S)
X2 HDMI 1.4a inputs

SUPPORTED RESOLUTIONS
VGA 640x480, SVGA 800x600, XGA 1024x768, SXGA 1280x1024, WXGA 1440x900, SXGA+ 1440x1080 & 1440x1050, WSXGA+ 1680x1050, UXGA 1600x1200, HD720 1280x720, HD1920 1920x1080, WUXGA 1920x1200*, up to 60Hz
X2 via HDMI Input ports
(*scaled resolution)

COMPRESSION STANDARD
H.264/MPEG4 Part 10 (AVC)Baseline, Main, High profiles up to 4.2
Bit Rate: 1-200Mbps
Rate Control: CBR, VBR

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 vs. frequency= <0.02%
Dynamic Range = 90dBuEIN = 110dBu
Frequency response = +/- 0.5dBuSNR = -90dBu/
Crosstalk = -90dB, Removable Phoenix 3.55mm (3 pos x2)

2 CH UNBALANCED ANALOG AUDIO INPUT
THD+N = -84dB, Dynamic Range = 90dBASNR = 95dBA/
Crosstalk = -80dB, 3.5mm phone jack (T/S/R 3 pos.)

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DIGITAL AUDIO I/O
X2 input via HDMI ports

USB AUDIO 2.0
X2 Input

NETWORKING, CHANNELS AND PROTOCOLS
10/100/1000 RJ45
X2 Gigabit ports

VIDEO STREAMS (CHANNELS)
Up to 2 1080p@60Hz or 1920x1200@57Hz

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

UNICAST STREAMING STANDARD(S)
RTP/RTCP (RFC 3550)

STREAMNET DISCOVERY & CONTROL
Requires StreamNet 02.90.12 or higher

CONTROL
SERIAL RS232 PORT
Yes, DB9

IR OUTPUT
3.5mm phone jack (T/R 2 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

GPIO INPUTS
X3, removable Phoenix 3.55mm (6 pos x 1)
Contact Closure sensor input

GPIO OUTPUTS
X3, removable Phoenix 3.55mm (6 pos x 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
Normal, boot, sleep, and error color modes

MECHANICAL
DIMENSIONS (W x H x D)
12.2" (310mm) x 7.4" (188mm) x 1.75" (44.4mm)

MOUNTING
1 RU ears included, optional wall mount & VESA 100x100 bracket

THERMAL
0c to 40c (32F to 104F)

WEIGHT (UNIT)
5.3Lbs (2.4Kg)

FUTURE LICENSE UPGRADE OPTIONS
4K RESOLUTIONS QUXGA 3200X2400, UHD 3840X2160
Future license

VIDEO COMPOSITION FEATURES
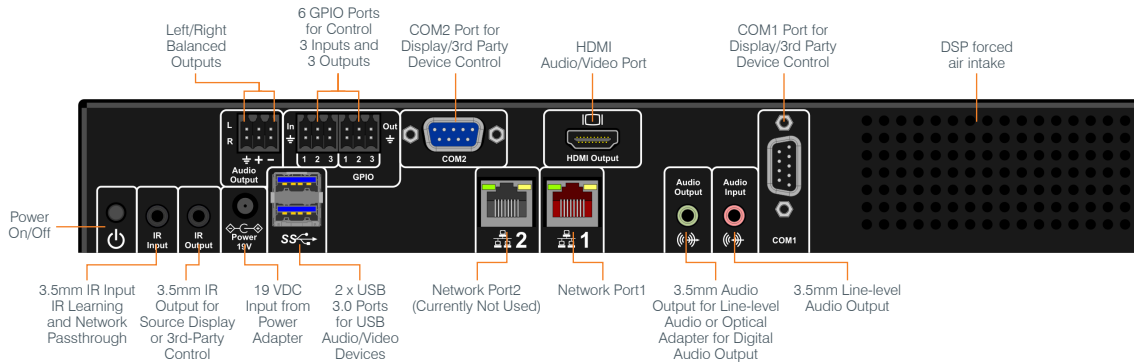Future license

AUDIO MIXING FEATURES
Future license

MULTICAST STREAMING STANDARD(S)
Future license

USB HID FEATURES
Future license

Left/Right Balanced Outputs

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DIGITAL AUDIO I/O
X2 output via HDMI port & 3.5mm mini TOSLINK**
Same connector as Digital Output

USB AUDIO 2.0
X2 Output

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X2 Gigabit ports

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Clearone Contacts