

Cinegy Multiviewer

multi-channel video monitoring software



Streams from satellites, camera feeds, playout devices and other local or remote sources all need to be monitored. Cinegy Multiviewer displays these signals before analyzing them and raising alerts for any detected signal problems. Running as a service operating on commodity IT equipment, video streams can be received over IP/NDI via Ethernet or using standard SDI cards.



KEY FEATURES

SD / HD / UHD streams
over SDI or MPEG-TS
unicast / multicast
IP signals

Video: MPEG-2 and
H.264 codec support
in 4:2:0 and 4:2:2
color-space

Audio: MPEG-audio,
AAC-HE2 and Dolby
Digital / AC-3, Dolby E
(optional extra)

Multivendor SDI board
support: BlackMagic,
AJA, DVS and Deltacast

NewTek NDI support

VANC indicators,
V-Chip, AFD Display,
608/708 CC,
DVB Bitmap &
DVB Teletext decoding

Alarms: Stillness, Black,
Audio Clipping, Silence,
Loss of signal, Loudness

Multiple customizable
layouts, with web
remote control and
simple web service API

Local screen output on
4x4K screens at 60 fps

Remote retransmission
of SD / HD / UHD screen
layout via MPEG-TS
multicast

GPU- accelerated
H.264 & H.265
Encoding and Decoding
for 4:2:0 workloads

Multi-screen rendering
at scaled resolutions
for viewing over lower
bitrate channels

Overlay transparent
picture elements to
produce branded or
stylized appearance

Easy-to-use and Customize

Cinegy Multiviewer easily adapts to requirements with a fully customizable interface that may be designed using a WYSIWYG multi-layout editor. Cinegy Multiviewer can drive four full 4K UHD monitors, providing enough real-estate and video resolution for even the most demanding control room. For those times when the control room is not near the equipment, or the viewer is not in the control room, Cinegy Multiviewer supports full RTP retransmission of the output screen in up to 4K UHD 4:2:2 resolution, making any of the configured multiple layouts viewable anywhere in the building, or in the world, with remote control via a web interface.

Cost Savings

Cinegy Multiviewer can receive a single program or multiplexed feeds (MPTS) from standard satellite or cable receivers relaying transponders via RTP/UDP onto the network, dramatically reducing the number of IRDs required for monitoring return feeds. Cinegy Multiviewer also supports local SDI inputs for low-latency SDI signal monitoring allowing mixed technology environments.

Channel Previews

Cinegy Multiviewer displays channel name, audio level indicators, as well as real-time video previews, playing the incoming video at full frame rate. Integrated alarm indicators display signal presence of audio, video and VANC components (CC, AFD, V-Chip), while VU meters dynamically show all present audio channels (stereo, 5.1, etc.) as well as calculated LKFS loudness / Dolby Dialnorm values. If any signal component is outside defined parameters, a corresponding alarm indicator lights up, log entries are generated and a predefined alert is sent via email, SNMP, HTTP or API.

Scalability

Cinegy Multiviewer is ideal for local and remote operations. It can be massively scaled from just a few to hundreds of channels while remaining fully supported in a cloud based or hosted service environment. Offloading H.264 and H.265 4:2:0 input signals to up to four Nvidia GPU cards allows for efficient decoding, with 36 streams of HD input supported on a single Xeon E3 quad-core CPU.

Dolby is a registered trademark of Dolby Laboratories.

For further information regarding Cinegy Multiviewer, please visit www.cinegy.com or email sales@cinegy.com