IP Multiview

Ultrasoft IP Multiview is a complete solution for monitoring and controlling video signal over IP. IP Multiview is an IP based multi-image display & monitoring solution targeted at applications where simple and efficient monitoring of audio and video from an IP transport stream is required. It leverages industry Audio/Video Monitoring technology. IP Mutiview developed to be use as a tool for digital headends, IPTV networks and sites delivering content to the web and handheld devices. IP Multiview is the solution for decoding, displaying and monitoring multiple IP based video and audio transport streams. IP Multiview can display the decoded video and audio on DVI/HDMI outputs, with support for any display technology on the market. IP Multiview supports all major video and audio compression standards and therefore used in almost any application where video and audio transported over IP.

The solution enables broadcasters and production houses to monitor streams from satellites, camera feeds, playout devices and other sources locally and remotely. Featuring a robust analysis and alert system, detecting signal problems such as freeze frame, black out, lost video, loss audio. IP Multiview runs as a broadcast gateway to convert between NDI via Ethernet and uncompressed video using standard SDI cards from AJA, BMD, DVS or Deltacast.

IP Multiview displays channel name, audio level indicators, as well as real-time video previews, playing the incoming video at full frame rate. In addition, the alarm indicators display signal presence of audio and video, VANC components (CC, AFD, V-Chip), while VU meters dynamically show all present audio channels (stereo, 5.1, etc.) and audio loudness. If any signal component is outside defined parameters, a corresponding alarm indicator lights up, log entries are generated.

KEY FEATURES

- Multi-Image display of multiple IP based video programs with associated audio level bars and UMDs
- Supports IP based monitoring and display from an up to 1Gb/s Ethernet network
- Video: MPEG 2, H.264 / MPEG 4 AVC
- Audio: MPEG1-L2, AC3, AAC
- Video monitoring: loss, black, freeze
- Audio monitoring: loss, audio over, audio under
- Simple on-screen layout tools, including window creation and layout
- Includes additional informative objects: digital clocks, bit rate monitors
- Broadcast Gateway SDI-NDI conversion

SPECIFICATIONS

Multi-language interface	- English, Vietnamese, Laos.
MPEG-TS sources	- Video: MPEG 2, H.264 / MPEG 4 AVC - 4:2:0 and 4:2:2 color space - Audio: MPEG1-L2, AC3, AAC.
NDI Input/Output	- NewTek NDI v3.0
SDI Input/Output	- 4 x configurable as either Input or Output.

Video Formats	-	SD: 480i59.94, 576i50
	-	HD: 1080i59.94, 1080i50, 720p59.94, 720p50
Encoding SDI to NDI	-	Yes
Decoding NDI to SDI	-	Yes
Multiview display	-	Multi-Image display of multiple TS over IP, NDI video programs with associated audio level bars and UMDs.
Network Connector	-	4 x 1GbE RJ-45
Power Supply	-	Two redundant hot pluggable

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