

VB288 OBJECTIVE QoE CONTENT EXTRACTOR

The VB288 performs objective video and audio monitoring of MPEG-2, h.264/MPEG-4 and h.265/HEVC streams and offers a unique web browser based remote video-wall capability providing full visual status from anywhere. The VB288 enables operators to inspect massive amounts of content services beyond human eyeball capability with dependable alarming on objective parameters having QoE impact.



In addition to provide automated Objective QoE of large amounts of services, the VB288 CONTENT EXTRACTOR offers thumbnail and metadata extraction for up to 100 TV multicast streams concurrently. The VB288 CONTENT EXTRACTOR with its RVW (Remote Video Wall) capability is ideal for visual at-a-glance monitoring in the NOC, VOC, head-end or remotely via any standard web browser.

The VB288 is typically inserted before scrambling insertion in the head-end and the extracted metadata and decoded imagery is fed to the VideoBridge Controller. Disruption of descrambling services is one of the main causes for service production disruptions in the head-end, and for the first time cost-effective monitoring of scrambling is available.

Further applications are in middleware scenarios for generating channel mosaics or for extracting channel metadata such as picture resolution, video bandwidth or wide screen signalling information. Each VB288 runs an HTTP server with the client as a web browser, so there is no need to install custom software on computers needing access to the measurement data.

The VB288 CONTENT EXTRACTOR ships as software-only and runs on any standard server that meets the minimum specifications.

FEATURES INCLUDE

- Dual GigE interface support for separate DATA and MANAGEMENT ports
- Thumbnail extraction of up to 100 concurrent services
- RVW, Remote Video Wall support for 4 screens with up to 16 channels on each screen
- Display of audio level bars and metadata for selected multicast
- MPEG2 and MPEG4/h264 decoding HD and SD
- Loudness support and LUFs metering in RVW according to ITU 1770, ATSC A/85 and EBU R128
- VBC Alarm display support
- Protocol formats: nTS/UDP, nTS/RTP/UDP n={1:7} (ETSI TS 102 034)
- Custom video PID definition for non-PSI streams
- Visual alarm icons for standard errors
- Scrambling expected alarming
- Clear expected alarming
- Freeze frame detection and alarming, regular freeze and colour freeze
- Audio silence detection
- Searchable alarm lists
- Built-in web-based management
- Optional central management via VBC server
- IPv6 management
- SNMP multi-destination trapping
- Eii™ External Integration Interface for easy integration into any 3rd party OSS / NMS system

MINIMUM SERVER CONFIGURATION

- Dual 6 core Intel E-Series 2.0GHz CPU
- 32GB 1600Mhz DDR RAM
- 1TB HD
- Dual 10/100/1000T Ethernet NICs

TECHNOLOGIES

Eii Loudness

RELATED PRODUCTS

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