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VB280 CONTENT EXTRACTOR for metadata extraction and decoding of MPEG-2 and MPEG-4 content with scrambling detection/alarming and freeze frame detection/alarming.

The VB280 CONTENT EXTRACTOR offers thumbnail and metadata extraction for up to 100 TV multicast streams concurrently via GigE interfacing. The VB280 CONTENT EXTRACTOR is ideal for visual at-a-glance monitoring in the NOC, VOC, head-end or remotely via any standard web browser. The VB280 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.










The VB280 is equipped with Ethernet data input either as 10/100/1000T electrical or SFP based optical. A separate Ethernet management port is provided for data transfer. Each VB280 runs an HTTP server with the client as a web browser, so no need to install custom software on computers needing access to the measurement data.

The VB280 CONTENT EXTRACTOR card is a blade for the 19" 1RU rack-mount chassis. Each chassis can host up to 3 VB280 modules, providing for high density decoding to thumbnails of up to 300 channels in a single 1RU chassis.

FEATURES INCLUDE:

- 1x 10/100/1000T electrical Ethernet port
- 1x SFP optical GigE port
- 1x 10/100T Ethernet management port
- Built-in USB to RS232 converter
- Blade based hardware for use with rack mount chassis
- 3 selectable blades can be placed in one 1"RU chassis
- Chassis with built-in 100-240V AC or -48V DC power supply
- Thumbnail extraction of up to 100 concurrent services
- MPEG-2 and MPEG-4 decoding
- SD and HD decoding
- Decoding supported: MPEG-2 Transport Stream (ISO/IEC 13818-1:2000)
- Protocol formats: nTS/UDP, nTS/RTP/UDP n=[1:7] (ETSI TS 102 034)
- Thumbnail resolution: 1/8th size compared to original
- PSI/SI detection and displaying
- Custom video PID definition for non-PSI streams
- Visual alarm icons inserted in thumbnails
- Scrambling expected alarming
- Clear expected alarming
- Freeze frame detection and alarming
- Audio silence detection
- Searchable alarm lists
- Built-in web-based management
- Optional central management via VideoBridge Controller server
- SNMP multi-destination trapping
- Eii™ External Integration Interface for easy integration into any 3rd party OSS / NMS system
- NTP client functionality (RFC2030)
- DHCP client support (RFC2131)
- Remote software upgradeable

Thumbnails

VIASAT_EXPLORER 239.255.0.99:5500 4.472 [17] 	TV3_NORWAY 239.255.0.96:5500 2.981 [6] 	ZTV_NORWAY 239.255.0.101:5500 3.127 [6] 	SPORTN 239.255.0.102:5500 4.120 [5] 	TV2_SPORT 239.255.0.104:5500 7.344 [5] 
TV2_SPORT2 239.255.0.105:5500 5.120 [8] 	TV2_SPORT3 239.255.0.106:5500 5.120 [8] 	CANAL__HD_FILM 239.255.10.1:5500 15.424 [6] 	TV2_NYHETSKANALEN 239.255.0.58:5500 3.272 [6] 	--

ENVIRONMENT SPECIFICATIONS:

- Operating temperature: 0°C to 50°C
- Storage temperature: -20°C to 70°C
- Operating humidity: 5% to 95% non-condensing

CONNECTORS:

- 10/100/1000 video port: RJ-45
- 10/100 management port: RJ-45
- Optical input: SFP
- USB port for initial setup (RS232 emulation)

POWER:

- Power dissipated by module: 12W

NETWORK:

10/100/1000 BASE-T Ethernet (802.3u and 802.3ab)
 SFP interface for optical networks
 10/100 BASE-TX Ethernet management (802.3u)

MECHANICAL SPECIFICATIONS:

Standard 19" IRU rack-mount
 W x H x D: 483 x 43 x 400 mm
 Weight: 4,2 kg fully populated

CONTROL AND MANAGEMENT

Basic setup/control through RS232 via USB
 Remote access through HTTP or TELNET
 Optional control via VBC Server

COMPLIANCE:

CE-marked in accordance to low voltage directive (LVC) 73/23/EEC and EMC directive 89/336/EEC. Compliant to requirements for US and Canada. Designed for CSA approval.

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