



The VB280 is an integral part of the breakthrough Full Service Monitoring concept.



The RFC4445 based MDI Media Window displays content loss and network jitter in a comprehensive "flow" view for correlation and status at-a-glance.



Return Data Path enables sourcing of the remote signal back to the NOC or HeadEnd for detailed analysis. Limits travel expenses and need for remote engineering.

The VB280 EXTRACTOR option module offers thumbnail and metadata extraction from up to 100 TV multicast streams concurrently.

The VB280 EXTRACTOR is ideal for visual at-a-glance monitoring in the Network Operations Centre or remotely via any standard web browser. Further applications are in middleware scenarios for generating channel mosaics or for extracting channel metadata such as picture resolution, video bandwidth or widescreen signalling information. The VB280 extractor card is hot pluggable into the VB200 IRU rack-mount chassis. Each chassis can host up to 3 VB280 modules, providing for high density extraction of up to 300 channels in a single IRU chassis.

Features:

- Thumbnail extraction of up to 100 concurrent multicast
- Thumbnail resolution: 1/8th size compared to original
- PSI/SI analysis
- Meta data extraction via XML over HTTP
- Freeze frame alarm
- Signal scrambled alarm
- Standalone management via HTTP
- Optionally managed via VBC
- Separate 10/100 management port
- Electrical 10/100/1000 video port
- Alternative SFP video port for optical connectivity

Features:

- 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)
- Per-PID details (type, bandwidth, pcr, scrambled, bitrate)
- Service name extraction
- Encoding scheme detection (4:2:2/4:2:0, 4:3/16:9, resolution)

Network

- 10/100/1000 Base-T Ethernet (IEEE 802.3)
- Optical support via SFP slot
- 10/100 Base-T Ethernet management (IEEE 802.3)

Mechanical

- Fits into BRIDGETECH VB200 IRU chassis
- Hot-swappable

ENVIRONMENT SPECIFICATIONS:

- Operating temperature : 0 deg.C to +50 deg.C
- Storage temperature: -20 deg.C to +70 deg.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

COMPLIANCE:

CE-marked in accordance to low voltage directive (LVD) 73/23/EEC and EMC directive 89/336/EEC. Compliant to requirements for US and Canada. Designed for CSA approval. Specifications and product availability are subject to change without notice.

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