



BRIDGETECH products adhere to The Global Standard of Digital Television.



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



The RFC4445 based 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, MCC or HeadEnd for detailed analysis. Reduces OPEX through fewer truck rolls and on-site visits.

## VB280 CONTENT EXTRACTOR for MPEG-TS metadata extraction of MPEG2 and MPEG4 encoded content and for scrambling detection and alarming.

The VB280 CONTENT EXTRACTOR offers thumbnail and metadata extraction from 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, HeadEnd or remotely via any standard web browser. The VB280 is typically inserted before scrambling insertion in the HeadEnd and the extracted metadata and decoded imagery is feed to the VBC.

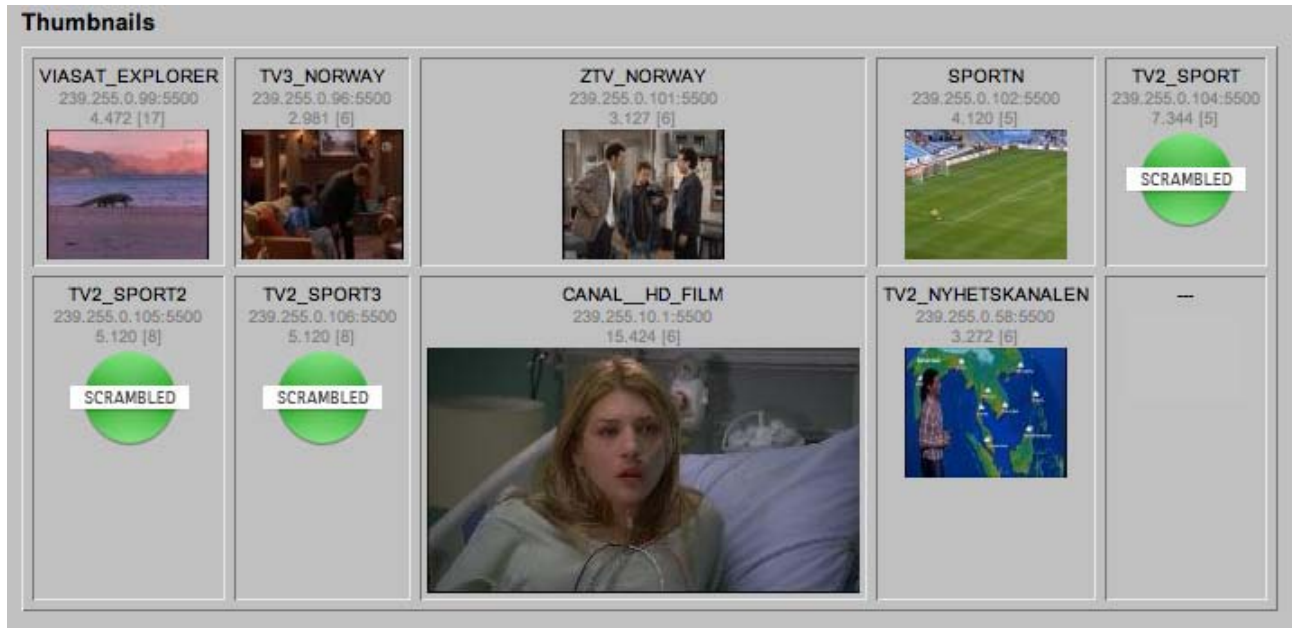
VB280 is equipped with GigE data input either as 10/100/1000T electrical or SFP based optical. Separate management is provided for data transfer. Setup is similar to all other VideoBRIDGE equipment, via the built in RS232 to USB converter.

Further applications are in middleware scenarios for generating channel mosaics or for extracting channel metadata such as picture resolution, video bandwidth or wide screen signaling information.

The VB280 CONTENT EXTRACTOR card is a blade for the 1"RU 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 1"RU chassis.

### FEATURES INCLUDE:

- Thumbnail extraction of up to 100 concurrent services
- Both MPEG2 and MPEG4 decoding
- SD and HD decoding
- Thumbnail resolution: 1/8th size compared to original
- PSI/SI detection and displaying
- Meta data extraction via XML over HTTP
- Visual alarm icons inserted in Thumbnails
- Signal scrambled alarming
- Standalone management via HTTP
- Optionally managed via VBC
- Separate 10/100T management port
- Electrical 10/100/1000T video port
- Alternative SFP video port for optical connectivity
- Decoding supported: MPEG2 Transport Stream (ISO/IEC 13818-1:2000)
- Protocol formats: nTS/UDP, nTS/RTP/UDP n=[1:7] (ETSI TS 102 034)



## 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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