EXFO Vision Content Extractor BV-2080V

Please note that this model has been discontinued. For more information, visit EXFO.com

Virtual video wall ideal for visual at-a-glance monitoring in the NOC, VOC, headend or via an ordinary browser

KEY FEATURES

Thumbnail extraction of up to 100 concurrent services (300 channels per rackmount unit)

Both MPEG2 and MPEG4 decoding

Standard-definition and high-definition decoding

Freeze frame detection and alarming

Scrambling detection and alarming

Meta data extraction via XML over HTTP

EXFO | Service Assurance

The BV-2080V Content Extractor offers thumbnail and metadata extraction from up to 100 TV multicast streams concurrently via its Gigabit Ethernet interface (300 streams per rackmount unit). It is ideal for visual at-a-glance monitoring in the NOC, VOC, headend or via an ordinary browser remotely via any standard Web browser.

The BV-2080V is typically placed before scrambling insertion in the head-end, while the extracted metadata and decoded imagery is fed to the EXFO Vision live monitoring system. Disruption of descrambling services is one of the main causes for service production disruptions in the head-end and cost-effective monitoring of scrambling is now available.

The BV-2080V is equipped with Ethernet data input either as 10/100/1000T electrical or SFP-based optical and separate management is provided for data transfer. Its setup is similar to EXFO video verifiers, 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 BV-2080V Content Extractor card is specifically designed for the one-inch rackmount unit, which can house up to three EXFO modules. This solution provides high-density decoding to thumbnails of up to 300 channels in a single unit.

ADDITIONAL FEATURES

› Thumbnail resolution: one-eighth size compared to original

› Visual alarm icons inserted in thumbnails

› Signal scrambled alarming

› Freeze frame detection and alarming

› Managed through EXFO Vision

› Separate 10/100T management port

› Electrical 10/100/1000T video port

› Alternative SFP video port for optical connectivity

› Protocol formats: nTS/UDP, nTS/RTP/UDP n=[1:7] (ETSI TS 102 034)

EXFO | Service Assurance

SPECIFICATIONS

Environment Specifications
› Temperature

  › Operating: 0 ℃ to 50 ℃ (32 ℉ to 122 ℉)

  › Storage: −20 ℃ to 70 ℃ (−4 ℉ to 158 ℉)

› Operating humidity: 5 % to 95 % non-condensing

Connectors Specifications
› 10/100/1000 Ethernet video: RJ-45

› 10/100 Ethernet management: RJ-45

› Optical input: SFP

› USB port for initial setup (RS232 emulation)

Power
› Power dissipated by module: 12 W

Network Specifications
› 10/100/1000 BASE-T Ethernet (802.3u and 802.3ab)

› SFP interface for optical networks

› 10/100 BASE-TX Ethernet management (802.3u)

Platform Specifications (platform sold separately)
› Standard 19-inch rackmount unit

› W x H x D: 483 mm x 43 mm x 400 mm

› Weight: 4.2 kg fully populated

› Power supply: 100-240 VAC (model BV-V-AC) or −48 VDC (model BV-V-DC)

Control and Management
› Basic setup/control through RS232 via USB

› Remote access through HTTP or Telnet

› Optional control via EXFO Vision Live Monitoring Software

EXFO | Service Assurance