Barco’s 16-channel SMV-116 continues the company’s long established tradition in designing top class, high-resolution multiviewers. The SMV-116 is scaled for smaller installations - but still delivers the full feature set for which Barco is renowned.

**Features and benefits:**
- Up to 16 auto-sensing monitored composite, SDI, HD-SDI, including two DVI-I video inputs (up to 3G 1080p): an ideal solution for compact monitoring of smaller OB-van, editing suites, master control or digital play-out installations
- DVI-I output up to 1080p60 (1920x1080) in 16:9, showing every possible pixel, and compatible with Barco’s color calibrated 42” and 47” LCD displays
- Genlocked inputs for flicker-free and full frame operation
- Teletext, subtitles, AFD, WSS, VITC decoding & monitoring, so nothing is left unmonitored
- Up to 256 channels of embedded audio may be displayed as industry standard bar graphs with a choice of scales/ballistics.
- Up to 32 channels of external audio, analog or digital (AES/EBU and Dolby Digital) may be displayed.
- Monitoring of any 4 pairs of audio streamed via the LAN
- Monitoring of up to 32 channels of demuxed audio, analog or AES/EBU: providing a full suite of audio monitoring in addition to an already complete video monitoring platform
- Alarms for video, audio and metadata with outputs to tally, GPIOs, LAN and/or SNMP traps, connecting the SMV-116 with external monitoring systems and providing the operator the option of part-time unmanned monitoring
- Under Monitor Displays (UMD) via keyboard, LAN or serial cable supporting TSL and other protocols
- Clock display receiving time information via NTP network protocol or LTC
- 1 RU compact design, ideal for OB-vans and other space restricted installations
- Front panel control or optional 1U remote key panel
- User-friendly set-up via system menu/browser software
- Standard redundant power supply and all main cards hot-swappable for an unmatched uptime of your investment

**SMV-116**

16 Auto-sensing Video and Audio HD/SD Multiviewer
Technical specifications

Inputs
- Video – up to 16 auto-sense video inputs, any mix of:
  - Composite video PAL/NTSC, CVBS – 1 Vpp
  - S-video (Y/C)
  - Component video RGB / YUV
  - SDI – SMPTE 259M
  - Two DVI-I digital or analog component (up to 3G 1080p over 3Gbps)
  - HD-SDI – SMPTE 292M (up to 1080p)
  - Some connector related limitations apply
- Internal audio inputs
- Embedded audio – up to 16 channels per video feed
- External audio
  - Analog – up to 32 channels (16 pairs)
  - AES/EBU – up to 32 channels (16 pairs)
  - Audio delivered via Barco’s NGM-164 audio metering unit, via LAN - up to 64 channels

Outputs
- One DVI-I output supporting resolutions up to 1080p60 (1920x1080, 16/9)
- Compatible with Barco’s LC-42, LC-47 and OV-D1 and OV-D2
- Video sources fully scalable and displayed in native format (4/3, 16/9)
- Audio monitoring output, up to 8 analog output channels as a standard feature
- Audio bars superimposed or external to video
- Genlocked video sources

Alarms
- On video inputs
  - Video sync loss
  - Black
  - Freeze-frame or motion
- On audio inputs
  - Embedded audio loss
  - External audio loss
  - Over level
  - Out of phase
- On metadata inputs
  - VITC loss
  - Teletext loss
  - Sub-titles loss
  - V-chip loss
  - With output to
    - Tallies
    - Borders
    - GPIOs
    - LAN
    - SNMP traps

Barco’s SMV-116 offers unmatched input flexibility to monitor a wide variety of video, audio and metadata sources.

Metadata decoding & monitoring
- Teletext
- Subtitles
- AFD driving aspect ratio
- WSS driving aspect ratio
- VITC

Other features
- UMD via
  - Keyboard (USB connector on front panel)
  - LAN via browser
  - RS232 / 422 supporting TSL, Image Video or other protocols
- Clock inputs via NTP or LTC
- Bitmap files can be uploaded and 4 may be displayed at the same time
- GPIO
  - 16 inputs
  - 8 outputs
- Multi-language support

Hardware
- 1 RU compact design
- Front panel control or 1U remote control via LAN
- Video Input card A: composite, SDI, DVI-I, S-Video, Component
- Video Input card B: as card A with HD-SDI
- Audio input or output card consumes 1 slot
- All input and output cards are hot-swappable
- Dual load sharing power supplies. Power supply and fan failure LED indicators on front panel

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