BLT

VIDEO SERVER

SMS-AV8

SMS-AV8 is multiformat: 4K-UltraHDTV, HDTV, SDTV

TOP LIVE BROADCAST PRODUCTION

The BLT SMS-AV8 advanced video server is designed to meet the most demanding live broadcast production requirements, up to 4K UltraHDTV, suitable for SDI legacy and new generation of IP connectivity, either for studio or for mobile installation (OB Van).
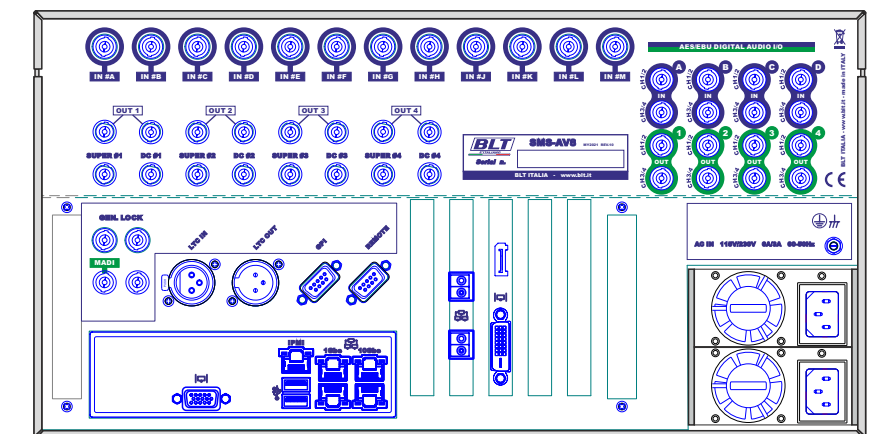
Simultaneous playback while recording with multichannel acquisition, recording loop for endless operation and realtime file export for NLE edit-while-recording and material sharing through high speed LAN network allow SMS-AV8 to satisfy requirement for any kind of TV production, from Sports to Live show, reality to entertainment.

Features and technical specifications

✔ Modular design: grow as you go ranging from 8 to 16 channels with software license

✔ Multiformat: 4K UHDTV 2160P, HDTV 1080P/1080i, SDTV, 50/59.94Hz

✔ SDI legacy I/O: UHDTV 12G-SDI, HDTV 3G/SDI 1080P, HD-SDI 1080i

✔ Ready for latest IP connectivity: SMPTE ST-2110 and ST-2022/6-7

✔ Multi-channel: 4 Rec. and 2 Play UHDTV or 12 Rec and 4 Play HDTV 1080P / 1080i or Flexible Configuration with multiple combinations up to total 16 Channels

✔ ISOcam acquisition with recording loop (endless recording) and realtime Clip overwrite protection

✔ Playback and real time editing while recording

✔ HFR (high frame rate) with high speed camera for X2, X3, X4, X6, X8 SSM (Super-Slow-Motion)

✔ Hardware real time codec with intraframe and 4:2:2 color scheme

✔ Full 10bit process precision for HDR and SDR operation and Metadata support for transparent handling

✔ Multiformat file import/export while recording (NLE interoperability):
  • Codec: DNxHD, DNxHR/LB/HQ/HQX ProRes422/ /LT/HQ, XDCAM, AVC-I, XAVC-300, H264 proxy
  • Wrapper: MXF, MOV with growing file creation for edit while capture/ingest

✔ Time code support: LTC, embedded SDI, OSD, SMPTE ST-2110 (IP option)

✔ Timebase reference: Gen.lock with Black Burst or trilevel, SMPTE PTP (IP option)

✔ 16 audio tracks each video, SDI embedded audio I/O and MADI input (64 tracks).

✔ Legacy Audio interfaces: 16 discrete tracks as Analog or digital AES-EBU (I/F to be selected at order time)

✔ AES pass-thru mode for Dolby-E

✔ Internal audio router and patch panel (Audio tracks swap)

✔ 4 embedded and independent multiviewers, SDI

✔ Native interface to BLT hardware control panels (up to 4) RUS Color for live user friendly operation, replay, slowmotion, clip creation, high lights ...

✔ Up to 4 BLT control panels for 4 independent operators, each one controlling one playout, or 2 operators with Program/Preview operation

✔ Live graphics insertion with key/fill and spot with fade in/fade out (option)

✔ RAID level 5 protected self-contained storage, with removable hot-swap trays

✔ Solid state technology storage: 8 sets of SSD with total capacity up to 16TByte (*) and 4 sets of removable tray for SSD/HDD dedicated to file exchange (import/export).

(*)Total storage time capacity of loop recording at 100Mbps : 300 hours, with standard supplied 8 sets SSD 2TByte each with RAID5 protection scheme. Storage size can be changed at order time function of future SSD models availability or custom request.

✔ Separate OS system disk for higher reliability

✔ Real time material sharing between units through LAN network connectivity

✔ Rich data network connectivity: 2 x LAN 1Gbps, 2 x LAN 10Gbps or 2 x optical 10Gbps SFP+ (option)

✔ Rack mount chassis, 5 unit high

✔ Dual redundant PSU

Rear panel with Digital Audio AES-EBU I/F and optional optical LAN

BLT

Discover our **product family**

VIDEO SERVERS

BLT video servers are ideal for live and sport events productions, ensuring television directors flexible and efficient tools to capture unforgettable moments.

TRANSCODING

BLT transcode systems rewraps on-the-fly BLT SMS series video server material and live recording, towards third-party production systems for the interoperabiliy and file exchange.

ACQUISITION

BLT acquisition servers are ideal for live and sport events productions, ensuring television directors flexible and efficient tools to capture unforgettable moments.

STORAGE

Togheter with Central Storage, BLT capture system changes the way data is exported for remote post-production.

REMOTE CONTROL PANEL

BLT remote panels with integrating Jog wheel, T-bar lever and display offer the complete solution for any production need.
The latest generation of BLT panel with embedded workstation further expands the user experience to remote production.

SOFTWARE

BLT softwares APP create systems for management of all operations and complex workflows during mission critical events, such as live, sport, news and entertainment productions.

Our associated

Our ISO certifications

UNINFO

iabm

Pro-MPEG Forum

SMPTE

ISO 9001 CERTIFIED

ISO14001 CERTIFIED

ISO45001 CERTIFIED

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Design and specification subject to change without notice – May 2022

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