



— VIDEO SERVER —

SMS-AV5

SMS-AV5 is multiformat: 4K-UltraHDTV, HDTV, SDTV



TOP LIVE BROADCAST PRODUCTION

The BLT SMS-AV5 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-AV5 to satisfy requirement for any kind of TV production, from Sports to Live show, reality to entertainment.

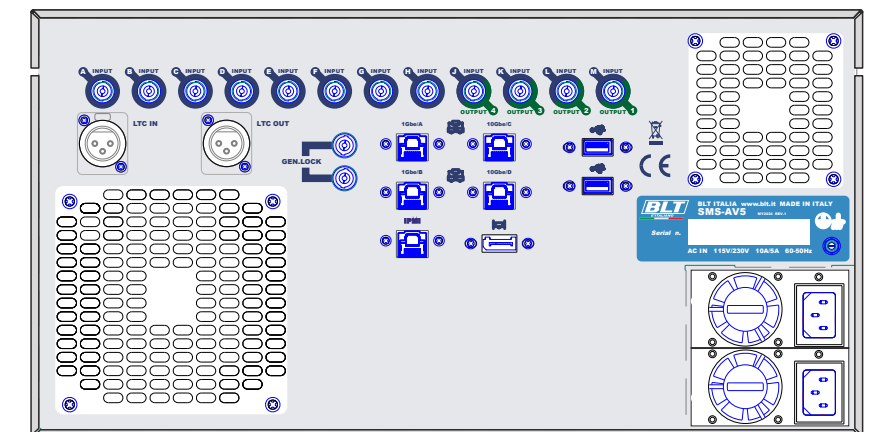
Features and technical specifications

- ✓ Modular and scalable designed: grow as you go, 8 or 12 channels version with flexible configuration
- ✓ Multiformat: 4K UHD TV 2160P, HDTV 1080P/1080i, SDTV, 50/59,94Hz
- ✓ SDI legacy I/O: UHD TV 12G-SDI, Full HDTV 3G/SDI 1080P, HDTV HD-SDI 1080i
- ✓ Multi-channel with Flexible user configurations:
12 Channel version ranges:
8 Rec. and 4 Play, or 9 Rec and 3 Play, or
10 Rec and 2 Play, or 11 Rec and 1 Play, or
12 Rec and 0 Play
8 Channel version ranges:
4 Rec and 4 Play, or 5 Rec and 3 Play, or
6 Rec and 2 Play, or 7 Rec and 1 Play, or
8 Rec and 0 Play
- ✓ Playback and real time editing while recording
- ✓ ISOcam acquisition with recording loop (endless recording) and realtime Clip overwrite protection
- ✓ HFR (high frame rate) with high speed camera for X2, X3, X4, X6, X8 SSM (Super-Slow-Motion) and mixed operation with ISO cam
- ✓ Intraframe Codecs 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):

Real time Codec: DNxHD, DNxHR/LB/HQ/HQX
AppleProRes 422/LT/HQ, AVC-I, XAVC, H264 proxy, XDCAM (**)

Wrapper: MXF, MOV with growing file creation for edit while capture/ingest
- ✓ Time code support: LTC, embedded SDI, OSD
- ✓ Timebase reference: Gen.lock with Black Burst or trilevel sync
- ✓ 16 audio tracks each video, SDI embedded audio I/O

- ✓ Internal audio router and patch panel (Audio tracks swap)
- ✓ Up to 4 embedded and independent multiviewers (option)
- ✓ Native interface to BLT hardware control panels (up to 4) RUS control panel family 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
- ✓ Embedded broadcast Live graphics insertion with multi layers and graphic animation player (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 mirrored OS system disk for higher reliability Windows embedded LTSC
- ✓ 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



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 rewrap on-the-fly BLT SMS series video server material and live recording, towards third-party production systems for the interoperability 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 datas are exported for remote postproduction.



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



BLT ITALIA SRL | Via F. Rosselli 91 - Lido di Camaiore (LU), 55041 - Italy | Tel. +39 0584 904788 | blt@blt.it - www.blt.it