



— VIDEO SERVER —

SMS-AV2x

SMS-AV2x, high performance Small Form Factor



LIVE PRODUCTION SERVER

The BLT SMS-AV2x is built for the most demanding broadcast applications, including live productions. It covers 1080i and 1080P formats, with native ST-2110 IP and seamless SDI to integrate with existing legacy infrastructure.

All in a compact 2RU chassis, ideal for Studio, MCR or OB truck installation.

POWERFUL SYSTEM

The SMS-AV2x runs HD or FHD in any I/O configuration, natively over SDI or IP. It supports a wide range of codecs, including most popular NLE codecs for real-time interoperability and edit-while-recording. For live sports and events, Tram Recording technology provides continuous loop recording to ensure capture of every key moment. The control is instant with RUS-Color family, BLT's dedicated Remote Unit System designed for fast, efficient operation.

TAILOR MADE WORKFLOWS

The SMS-AV2x delivers unmatched control and reliability. Up to 4 channels in HD 1080i/p with flexible configuration. An integrated Multiviewer completes the package. Maximum performance in just 2RU, making it one of the most powerful systems in its class.

Rear panel view

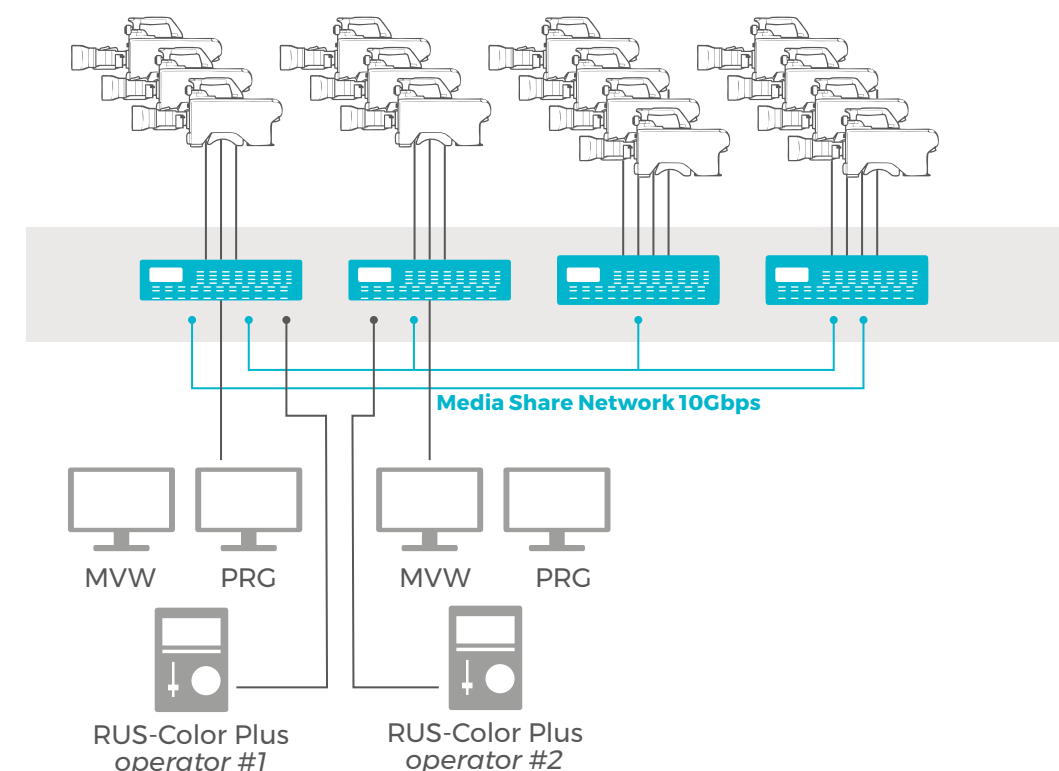


Features and technical specifications

- ✓ Up to 4 flexible channels, configurable as Rec or Play in any combination, in HD/FHD 1080i/1080p
- ✓ Multiformat: HD 1080i/1080p at 50Hz or 59.94Hz
- ✓ Native IP SMPTE ST 2110 over 100GbE
- ✓ Plug-and-Play Setup: No external device required
- ✓ ISO Recording: Continuous recording loop with real-time clip protection
- ✓ Edit-While-Record: Growing file creation for NLE interoperability
- ✓ Video I/O: SDI 1.5G/3G and IP SMPTE ST 2110, configurable per channel.
- ✓ Audio: 16 audio tracks per video channel
- ✓ SDI embedded audio, up to 16 channels
- ✓ MADI Input/Output AES-10, 56/64 channels
- ✓ SMPTE ST 2110-30
- ✓ Internal Audio Router: Audio Track swap via internal patch panel
- ✓ Timecode: LTC Input/Output, VITC, and PTP v2
- ✓ Multiviewer: Integrated multiviewer with user configurable layouts
- ✓ File Export: Real-time file export while recording as growing file
- ✓ Codecs: DNxHD/HR, Apple ProRes, XDCAM, H264 (Proxy)
- ✓ Wrappers: MXF, MOV, MP4
- ✓ Storage: Self-contained SSD storage. 8TB raw capacity standard. Custom capacity available upon request.
- ✓ OS: Long Term Servicing Enterprise 64-bit, with SMSExpress dedicated BLT application and firmware.
- ✓ OS Disk: Dedicated system disk for increased reliability
- ✓ Power: Dual redundant, hot-swap PSU
- ✓ Form Factor: 2RU rackmount chassis

Application example

14 ISOcam Recording and 2 Playouts with 2 operators
4 BLT Video Server SMS-AV2x and 2 BLT Control Panel RUS-Color Plus



- ✓ Control: 1x 1GbE and 2x2.5GbE LAN
- ✓ Media share network: 2x 10GbE optical SFP+
- ✓ USB: 2x USB 3.0 ports for keyboard, mouse, external media
- ✓ GPI: 4 Inputs/4 Outputs DB-9 male connector
- ✓ SMPTE ST 2110 Uncompressed Video transport:
 - 100GbE Dual QSFP28 or mutually exclusive option
 - 10GbE Dual SFP+ (10GbE not recommended for 1080p),
 - Throughput: Primary and mirrored Redundancy flows
- ✓ IP encapsulations according to:
 - SMPTE ST 2110-10 (System)
 - SMPTE ST 2110-20 (Video)
 - SMPTE ST 2110-21 (Video Traffic Shaping and Delivery Timing: RX Type A, TX Type N)
 - SMPTE ST 2110-30 (Audio AES67)
 - SMPTE ST 2110-31 (Audio AES3)
 - SMPTE ST 2110-40 (Ancillary data)
- ✓ Seamless protection (redundancy) according to ST 2022-7
- ✓ Support JT-NM TR-1001-1 for system environment and device behaviour including:
 - NMOS IS-04 and IS-05, PTPv2

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 Control 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.

