

MediaServer C 4K Series

Multi-Channel 4K Video Server

MediaServer C 4K (MSV C 4K) series, the latest series of modular codec servers from XOR Media, offers multi-resolution, multi-format operations and simple branding function. It is ideal for channel expansion, TV broadcast, content production, live entertainment, and sports applications.

- MSV C 4K provides cost-effective software codec configuration for 4K operation. Broadcasters could choose automated system or media controlling tools, such as XOR MediaController.
- MSV C 4K could be integrated with massive capacity local storage, should broadcasters need additional capacity for the standard deployment, or if they require a content repository behind their edge servers. Provided a true edit-in-place workflow is established, users can enjoy direct access to all content in the system at any time through MSV C 4K.



No Single Point of Failure

- RAID 6 against two-drive failure
- Redundant, hot-swappable power supplies and fans
- Flash SSD boot disk for high-speed booting and extra reliability

Integral Component in Tapeless Broadcast

- Communicates with third-party applications such as customer-preferred automation and MAM, including XOR MediaController

Flexible Storage Combinations

- Flexible local storage portfolios with either SSD flash memory or HDD storage. The maximal capacity is 128TB
- Support to work with XOR Media Universal MediaLibrary N Series if broadcasters prefer MSV C 4K without local storage

Convenient Graphic Capabilities

- Support logo rendering

Flexibility

- Support up conversion from HD to 4K
- Support back-to-back payout of multi-formats and multiplexes
- Support FTP
- Support seamless upgrade from SDI streaming out to IP streaming out

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[SPECIFICATIONS]

Audio interfaces	<ul style="list-style-type: none"> • SMPTE 272M
Audio spec	<ul style="list-style-type: none"> • Uncompressed PCM • 48 KHz audio sampling • 24-bit audio quantization
Media storage	<ul style="list-style-type: none"> • No local storage • Eight or sixteen x 1TB/2TB/4TB/8TB SATA HDD, or 240GB/480GB/960GB/1.92TB/3.84TB SATA SSD • RAID 6-protected • All data drives are hot-swappable
Time code	<ul style="list-style-type: none"> • SMPTE 12M-2 output • AFD output port or Limited Ethernet
Control	<ul style="list-style-type: none"> • VDCP by RJ45 port or Limited VDCP by Ethernet • XOR Media MediaClient API by Ethernet
Network	<ul style="list-style-type: none"> • Dual 10 Gigabit Network ports • FTP for file transfer
Server Characteristics	<ul style="list-style-type: none"> • Boot Service Disk : Flash SSD, 128GB or above • 4 rear USB ports • 15-pin VGA port • Dedicated IPMI port
Power Supply	<ul style="list-style-type: none"> • Redundant, dual hot swappable 1000W power supplies • Range: 100-127VAC, 200-240VAC, 50-60Hz
Dimensions	<ul style="list-style-type: none"> • 5.2" H x 17.2" W x 25.5" D
Physical Requirements	<ul style="list-style-type: none"> • Operating Temperature Range: 10 - 35°C (50° - 95°F) • Non-Operating Temperature Range: -40 - 70°C (-40° - 158°F) • Operating Relative Humidity Range: 8 - 90% non-condensing • Non-Operating Relative Humidity Range: 5 - 95% non-condensing
Pack Description	<ul style="list-style-type: none"> • 4K Decoder Pack (QFHD01)
Channels	<ul style="list-style-type: none"> • One 4K playback channel

[4K Decoder Pack]

	4K Decoder Pack
Video Interface	<ul style="list-style-type: none"> • SQD (Square Division) • 2SI (2-Sample Interleave Division)
Video Compression Formats	<ul style="list-style-type: none"> • XAVC Long-GOP Class 188/300 • XAVC-Intra Class 300/480 • H.264/AVC-UHD Long-GOP • H.265/HEVC
Video Formats	<ul style="list-style-type: none"> • 3840 x 2160p @ 59.94Hz • 3840 x 2160p @ 50Hz
Media Multiplex Format	<ul style="list-style-type: none"> • MXF OP1A • Up to 16 audio channels with uncompressed PCM 24bit 48Khz
Ancillary Data	<ul style="list-style-type: none"> • VITC (SMPTE 12M-2) • AFD support