MediaServer G 4K Series

4K video server with integrated channel branding

The MSV G 4K combines 4x3G SDI and IP stream play-out, routing and channel branding into an integrated application with industry standard APIs to seamlessly integrate into broadcast operations. The advanced channel branding graphics capability is powered by a real time rendering engine made up of audio mixer, video mixer, character generator, and accelerated graphics processing for play-out of complex scenes.

Note: 4K refers to QFHD

Channel branding made simple
- Supports one 4K branding channels
- Supports 4K, HD 1080i simulcast/mixed broadcast, up conversion
- Supports up to sixteen audio channels
- Supports SDI/IP playout

Easy to use for efficient workflows
- Customizable user interface
- Last-minute playlist changes by relative time code
- Up to two 4K live inputs
- Populate real time data into the graphics template from databases or file base during playout

Integral component in tapeless broadcast
- Stream-through with the XOR Universal MediaLibrary N Series
- Communicates with third-party applications such as customer-preferred automation and MAM, including XOR Media Controller, for both branding and playback, through IP or RS422 interface

Rich branding features
- Up to five branding layers
- Supports dynamic data source from database, file base (XML, txt, etc.), and internet for rendering
- Branding template preview via Adobe Flash SWF graphics
- Supports updating template elements on the fly

No single point of failure
- RAID 6 protection against two-drive failure
- Redundant, hot-swappable power supplies and fans
- Flash SSD boot disk for high-speed booting and extra reliability

XOR XORMEDIA

MediaServer G 4K Series

【 4K DECODER PACKAGE 】

Video interfaces

• One 4K playout channel
• Up to two 4K live inputs

Media multiplex formats

• MXF OP1A

Video formats

• 3840x2160p (50Hz or 59.94 Hz)

Video compression formats

• XAVC Long-GOP Class 188/300
• XAVC-Intra Class 300/480
• H.264/AVC-UHD Long-GOP
• H.265/HEVC

Audio

• Up to 16 audio channels with uncompressed PCM 24bit 48Khz

【 SPECIFICATIONS 】

Audio interfaces	• SMPTE 272M	Network	• 4 RJ45 Gigabit network ports
			• File transfer via FTP
				Power supply	• Redundant, dual hot swappable1200W power supplies
					  1200W Range: 100-140VAC,
					                       180-240VAC, 50-60Hz

Audio spec	• Uncompressed PCM • 48 KHz audio sampling • 24-bit audio quantization	Media storage	• 0/8/16 x 1TB/2TB/4TB/8TB HDD or 240GB /480GB/960GB/1.92TB/3.84TB SSD • RAID6-protected • All data drives are hot-swappable		

IP streaming	• Supported formats
	  Http live streaming up to 2.4Mbps
	  H.264/MPEG4 over UDP up to 8Mbps
		Server characteristics	• Boot Service Disk: Flash SSD
			• 4 Rear USB ports
			• 2 DisplayPort ports, 1 DVI-I port
				Environment requirements	• Operating temperature range:
					  10°C - 35°C (50°F - 95°F)
					• Non-Operating temperature range:
					  -40°C - 70°C (-40°F - 158°F)
					• Operating Relative Humidity Range:
					  8-90% non-condensing
					• Non-Operating Relative Humidity Range:
					  5% - 95% (non-condensing)

Control	• VDCP by RJ45 port or Limited VDCP by Ethernet • Oxtel protocol for graphic • Support GPI control	Dimensions (W x H x D)	• 17.2" x 5.2" x 25.5"	Channel	• Up to 5 branding layers • One 4K branding channels • Up to two 4K live inputs
		Software pack	• 4K Branding pack		

Note: 4K refers to QFHD