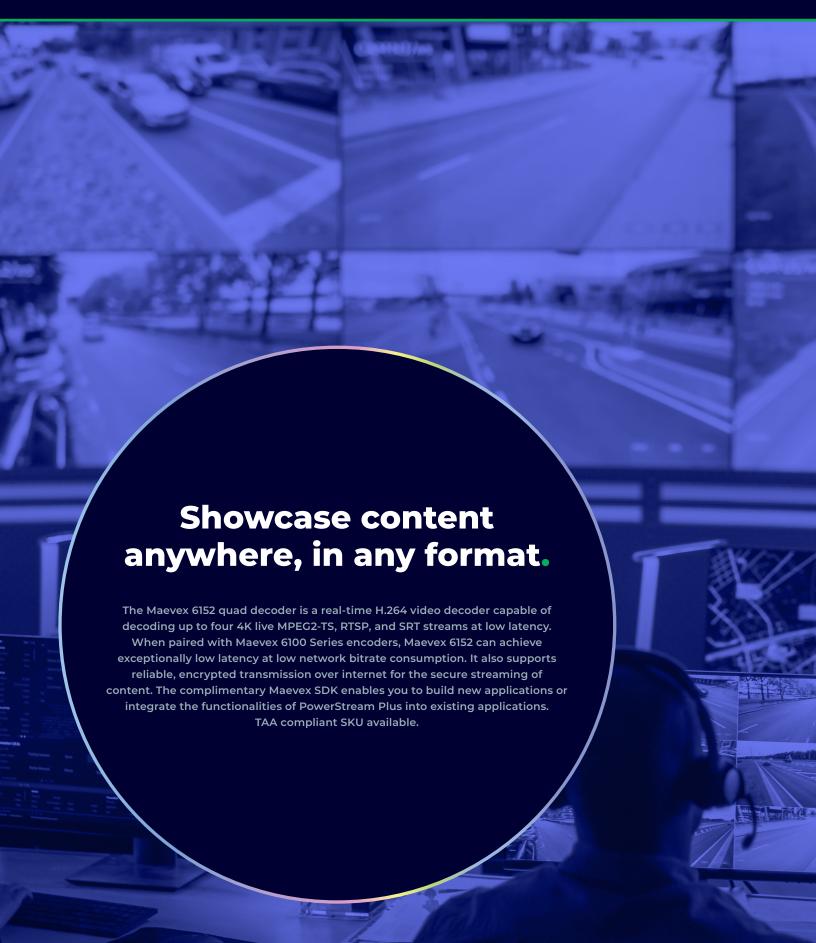


Matrox® Maevex 6152 Quad 4K Decoder



Key features and benefits.

The ultimate pairing for ultra-low latency

The Maevex 6152 decoder interoperates with virtually any device—third-party encoders, cameras, software encoders, or other Matrox products. This H.264 decoder integrates seamlessly into existing 1 GbE networks to send many superior-quality, low-latency AV streams—all without sacrificing quality. To achieve ultra-low latency, pair your Maevex 6152 decoder with any Maevex 6100 Series encoder to reach glass-to-glass latency as low as 50 ms.

Flexible protocols. Secure streaming.

Decode up to four 4K live MPEG2-TS, RTSP, and SRT streams. Support for the Secure Reliable Transport (SRT) video transport protocol means that secure, low-latency, and high-performance streaming is also realized on noisy or unpredictable networks such as the public Internet. Whether you're dealing with a stable LAN connection, a limited WAN pipeline, or an unpredictable Internet transport, Maevex has the right streaming protocol for the job.

Simple setup with preset layouts

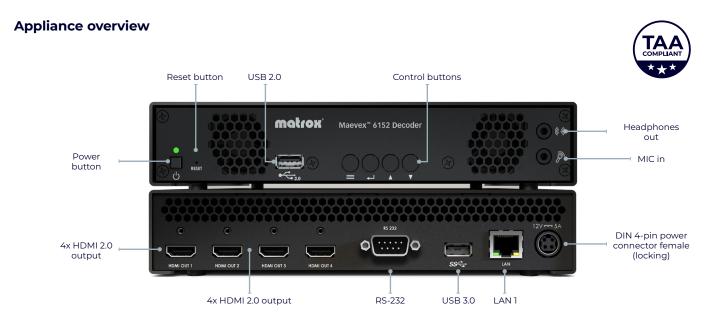
PowerStream Plus software provides preset layouts for effortless setup of multi-screen configurations. Use the multiple Picture-in-Picture (PiP) and composite options to arrange your streams in a variety of layouts. With preset layouts, you can quickly set up single or multiple streams per display and arrange the content on your screen.

Drag, drop, and done

Setting up video and streams has never been easier—or faster. After selecting a layout for each of your four outputs, simply drag and drop the source into the appropriate placeholder. Finally, adjust your layout settings, and you're done.

Flawless image quality

Decode 2x 4Kp60, 4x 4Kp30/60, 8x 1080p60, 16x 1080p30 streams. Streams encoded with 4:4:4, 4:2:2, 4:2:0, and 4:0:0 chroma subsampling can be decoded by the Maevex 6152 decoder.



Matrox Maevex 6152 quad 4K decoder (front/back view)

Rack mountable. Ultra quiet operation.

Support up to two 6152 decoder appliances from a single U of rack space, housed in a $\frac{1}{2}$ rack width. Place the appliance on the desktop, workstation, or rack, and it's ready to use.

And its whisper-quiet operation means that Maevex is made for control rooms, operation centers, and other critical environments that require a noise level of 25 dB and less.

Technical specifications

Product	Maevex 6152 quad 4K decoder
Part numbers	• MVX-D6152-42
Form factor	Standalone appliance Rack-mountable: 1U, 1/2 rack (horizontal)
Connectivity	
USB ports	· 1x USB 2.0 (front) · 1x USB 3.0 (back)
RS-232	· 1x for IP to RS-232 control
Performance	
Color space and chroma sub-sampling	• 4:2:0 (8-bit and 10-bit) • YUV 4:0:0, 4:2:0, 4:2:2, or 4:4:4 to RGB 4:4:4 8-bit
Video and audio processing	
HDCP support	· Only available between Maevex 61X2 encoders and Maevex 6152 decoder
Audio sampling frequency	• 32 kHz • 44.1 kHz • 48 kHz
Audio bitrates	Up to 576 Kbps (AAC-LC)Up to 288 Kbps (AAC-HEv1)Up to 144 Kbps (AAC-HEv2)
Codec	
Encoder bitrates range	15 Mbps (default) 50 Kbps to 120 Mbps (Maximum operational bitrate per stream is dependent on number of streams and features enabled.)
Encoding level	• Up to 5.2
Video decoding formats	· H.264/MPEG-4 Part 10 (AVC)
Decoding profiles	 Baseline Profile (BP) Main Profile (MP) High Profile (HiP) High 10 Profile (Hi10P) High 4:2:2 Profile (Hi422P) High 4:4:4 Predictive Profile Separate Plane (Hi444PP) CAVLC 4:4:4 intra (44)
Decoder bitrates range	· 50 Kbps to 120 Mbps (per stream)
Decoding	
Decoding capability	• 4:2:0* - 2x 3840x2160 @60Hz - 1x 4096x2160 @30Hz - 4x 3840x2160 @30Hz - 3x 4096x2160 @30Hz - 4x 1920x1080 @60Hz - 8x 1920x1080 @60Hz - 16x 1920x1080 @30Hz - 1x 3840x2160 @30Hz - 1x 3840x2160 @30Hz - 1x 4096x2160 @30Hz - 1x 4096x2160 @30Hz - 2x 1920x1080 @60Hz - 3x 1920x1080 @60Hz - 3x 1920x1080 @60Hz - 6x 1920x1080 @30Hz *Each decoding capability is independent of the others listed, and excludes any additional processing such as compositing, scaling, etc. Content can affect results. Contact Matrox for more details and decoding capability support.
Network	
Network standard	· 100/1,000 base-T ethernet · Auto speed · Half/full duplex
Routing scheme	Unicast Multicast
IP addressing	IPv4 DHCP (default) and static IP
Streaming protocols	RTSP (TCP), RTCP & RTP (UDP) – all required RTSP over TCP (interleaved) SRT over UDP MPEG2.TS over UDP
Command and control	HTTPS over TCP UPnP (discovery)
Security	· 802.1x (EAP-TLS) support

Physical	Maevex 6152 quad 4K decoder
Product dimensions	· 8.53 (L) x 7.52 (W) x 1.68 (H) inches 21.7 (L) x 19.1 (W) x 4.3 (H) cm
Unit weight	• Device only ~1.5 kg • With accessories and packaging ~3 kg
Noise emission	· ~25 dB at full decode capacity
Additional features	Push-button controls: - Menu, enter, scroll forward, scroll back - Choose output, content, and zoom to full screen
Hardware & software	
Hardware included	Maevex 6152 quad 4K decoder appliance 100-240 V a.c. in, 12 V d.c. out, 60W power supply Power cords (US, EU, UK, Aus/NZ) DIN4 locking connector
Accessories (sold separately)	 Rack mount kit (RMK-19TR-A) Rack mounting shelf (19 in/48.26 cm) Pan head Phillips screws (4x 10-32 x 3/4 in) Pan head Phillips screws (4x 12-24 x 3/4 in) Flat head Phillips screws (6x M3 x 6 mm) NRG redundant power supply unit Rack tray with one NRG RPSU pre-installed (part number: NRG-5-1DB) Rack tray with two NRG RPSU pre-installed (part number: NRG-5-2DB)
Software	PowerStream Plus (free download)* Compatible with Maevex 5100 Series and Maevex 6100 Series Network discovery Multi-encoding and recording management Multi-protocol management Frame rate management Resolution control Administrator and user credential management Scaling management SNMP support
	Maevex 6100 Series RS-232 API (free download)* Control Maevex 6100 appliances via Crestron™, Kramer™, Extron™, or other tabletop touch-screen controllers. Access basic commands including list, start/stop streaming and recording, and device reboot. Maevex SDK for Windows and Linux*
	- Full-access to entire feature set via SDKNET 4.5.1 or higher, standalone library and Mono 5.2 or higher for Linux
	Maevex REST API* Maevex 6100 Series REST API Available for lower-level development
	Maevex 6100 Series Control Module for Crestron Creston module to expand existing controlled environments
	* Contact Matrox for more details.
Environmental	
Power consumption	· 45W
General	
Supported operating systems (software)	Windows Server 2022 Windows Server 2019 Windows 11 and Windows 10
EMC/EMI device class	· Class A
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EMC/EMI compliance	· CE (EU), FCC (US), ICES-3 (Canada), KC (Korea), RCM (Aus/NZ)
EMC/EMI compliance Environmental compliance	· CE (EU), FCC (US), ICES-3 (Canada), KC (Korea), RCM (Aus/NZ) · China RoHS, EU RoHS, REACH, WEEE



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