

Matrox® MaeveX 6152 Quad 4K Decoder

Showcase content anywhere and in any format



The Matrox® MaeveX 6152 quad 4K decoder complements the entire MaeveX product line. Efficiently decoding up to four 4K streams, or many more lower resolution streams, the MaeveX 6152 decoder introduces plenty of options and advantages for multi-screen decoding. Built on the same core technology as the award-winning MaeveX 6100 Series encoders, the latest addition to the family makes a great solution for control rooms, houses of worship, military, medical applications, digital signage, and in any other environments where multiple screens and content are required. The MaeveX 6152 decoder can also decode streams from third-party encoders, cameras, software encoders, or other Matrox products making it easy to create unique decoding solutions, or integrate with existing ones.

The MaeveX 6152 decoder is also compatible with the popular Matrox MaeveX PowerStream Plus AV-over-IP management software, which allows for complete control of the entire MaeveX network.



Low latency

Deliver, decode and display multiple streams of content with low latency.



Decode over Internet

Securely decode content sent over internet with multiple AES 256-bit streams encrypted and decoded reliably.



Quad 4K output

Decode as many as four 4K resolution streams.



Pre-set layouts

Address a single stream or multiple streams per display output by using pre-configured layouts for each screen.

Contact a Sales Representative Today!
video@matrox.com

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Quad 4K Decoder with Multi-Configuration Decode per Display



Technical specifications

Decoding

- Video codec: H.264/MPEG-4 Part 10 (AVC)
- Audio codec: MPEG-4 AAC-LC / HEV1 / HEV2
- Low latency mode
- Profile: Baseline (BP), main (MP), high (HiP), high 10 (Hi10P), high 4:2:2 (Hi422P), high 4:4:4 predictive profile separate plane (Hi444PP), CAVLC 4:4:4 intra (44)
- Encoding level: Up to 5.2
- Bitrate range (per stream): 50 Kbps to 120 Mbps
- Audio sample frequency: 32 kHz, 44.1 kHz, and 48 kHz
- Audio bitrates: Up to 576 Kbps (AAC-LC), up to 288 Kbps (AAC-HEV1), up to 144 Kbps (AAC-HEV2)
- YUV 4:0:0, 4:2:0, 4:2:2, or 4:4:4 to RGB 4:4:4 8-bit

Maximum Output Resolution

- 4x 3840x2160 @60Hz or
- 4x 4096x2160 @60Hz

Maximum Decode Capability Examples (4:2:0)

- 4x 3840x2160 @30Hz
- 3x 4096x2160 @30Hz
- 2x 3840x2160 @60Hz
- 4x 2560x1600 @60Hz
- 8x 1920x1080 @60Hz
- 16x 1920x1080 @30Hz

Networking Interface

- Streaming Protocols:
 - RTSP (TCP), RTSP & RTP (UDP) – all required
 - RTSP over TCP (Interleaved)
 - SRT over UDP
 - MPEG2.TS over UDP
- Command & control: HTTPS over TCP, UPnP (discovery)
- Network Standards:
 - Auto speed
 - Half/full duplex
 - 100/1,000 base-T Ethernet
 - IPv4, DHCP (default) and static IP address support
 - Unicast, multicast

Connectivity

- 4x HDMI (Type A) output with digital LPCM two-channel stereo audio
- 1x RJ45 Ethernet port with status LED indicators
- 1x 3.5mm line-out
- RS-232*
- 1x USB 2.0 (front)* and 1x USB 3.0 (back)*
- 1x Mic-in*

Software

- PowerStream Plus control application:
 - Microsoft® Windows® 10 (64-bit), Windows Server® 2016, Windows 7 (32-bit, 64-bit), Windows Server 2008 R2, Windows Server 2019
- PowerStream Plus SDK for Windows and Linux
- REST API

On-Device Button Control

- Menu, enter, scroll forward, scroll back
- Choose output, content, and zoom to full screen

Hardware

- Noise emission: ~25 dB at full decode capacity
- Power supply: 100-240 VAC in, 12 VDC out, 60W (45W max consumption), DIN4 locking connector
- Power cords included: US, EU, UK, Aus/NZ
- Dimensions: 8.53 x 7.52 x 1.68 in (21.7 x 19.1 x 4.3 cm)
- Rack-mountable 1U, ½ R
- Part number: MVX-D6152-4

Accessories

- Rackmount Kit (RMK-19TR-A)

*Currently not supported.

Contact Matrox

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