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 digital signage, control rooms, houses of worship, military, medical applications, and in any other environments where multiple screens and content are required. The Maevex 6152 decoder can also decode streams from third-party encoders, 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.

HDCP
Protect your display content with HDCP support and playback for multiple streams of content.

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

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.

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Quad 4K Decoder with Multi-Configuration Decode per Display

2x2 configuration
can feature 4 streams or more

1 Display
can feature 4 streams

4x1 configuration
can feature 4 streams or more

1 Display
can feature 8 streams

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 steam): 50 Kbps to 120 Mbps
- Audio sample frequency: 32 kHz, 44.1 kHz, and 48 kHz
- Audio bitrates: Up to 576 Kbps (AAC-LC), 288 Kbps (AAC-HEv1), 144 Kbps (AAC-HEv2)
- 4:0:0, 4:2:0 (8 and 10 bit) and 4:2:2, 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), RTCP & RTP (UDP) – all required
  - SRT over UDP
  - MPEG2.TS over UDP
- Command & control: HTTPS over TCP, UPnP (discovery)
- Network Standards:
  - 100/1,000 base-T Ethernet
  - IPv4, IPv6, DHCP (default) and static IP address support
  - Unicast, multicast

Connectivity

- 4x HDMI (Type A) output with digital LPCM two-channel stereo audio and HDCP support
- 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 stream/record 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.