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. Designed to add value in any environment where multiple screens and content are required, Maevex 6152 makes a great solution for control rooms, houses of worship, military, medical applications, digital signage, and more.

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. Maevex 6152's support for SRT protocol makes it easy to securely transport encrypted, low-latency, and high-performance video on noisy or unpredictable networks such as the public Internet.

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

HDCP 1.4 and 2.2 compliant
Deliver, decode, and display HDCP-protected and non HDCP-protected content simultaneously between Maevex 6100 Series encoders and decoder.

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

matrox® video

Quad 4K Decoder with Multi-Configuration Decode per Display

H.264 Camera Decode

2x2 configuration
can feature 4 streams or more

4x1 configuration
can feature 4 streams or more

1 Display
Stretch content across 4 screens

1 Display
can feature a picture in a picture

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), 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), RTCP & 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

Security

- 802.1x (EAP-TLS) support

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*

On-Device Button Control

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

Software

- PowerStream Plus control application:
  - Windows Server 2022, Windows server 2019, Windows 11 and Windows 10.
- PowerStream Plus SDK for Windows and Linux
- REST API

Maevex SDK for Windows and Linux[2]
- Full access to entire feature set via SDK
- NET 4.5.1 or higher, standalone library and Mono 5.2 or higher for Linux®

Maevex 6100 Series REST API[2]
- Available for lower-level development

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-D6152-42

Accessories

- Rackmount Kit (part number: RMK-19TR-A)
- Secure Cable Solution for HDMI (part number: SK-SLND-4)
- 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)

1. Currently not supported.
2. For more information, contact Matrox.

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