Matrox Monarch EDGE Series

Release Notes

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Table of contents

About these release notes 1
Visit our website for the latest downloads 1
What's new in this release? 1
Known issues 2

About these release notes

These release notes provide a list of new features, known issues, and bug fixes applicable to Matrox Monarch EDGE Series version 2.05.

The information in these release notes supplements the *Matrox Monarch EDGE Series Installation and User Guide*, which is provided in PDF format from the Matrox Monarch EDGE Support section of our website at *https://video.matrox.com/en/apps/drivers/home*.

Visit our website for the latest downloads

To ensure that you have the latest documentation available for Matrox Monarch EDGE Series, check the *Matrox Monarch EDGE driver download section* of our website. Our website also offers up-to-the-minute information about Matrox products, access to our user forums, and special promotional offers.

What's new in this release?

This release includes the following new features and improvements:

- **Ancillary Data Transmission:** Monarch EDGE now enables the passthrough of 608/708 closed captioning and SCTE 104 signals in SRT or MPEG-2 TS streams. Ancillary data from the SDI input is transported following the MPEG-2 ST-2038 specification to the decoder's SDI output. This feature is available in both Monarch EDGE Command Center and Monarch EDGE Control Hub, but must be enabled to function.
- **Web-Based Firmware Updates:** Upgrade device firmware directly through Monarch EDGE Command Center with the new Updater feature.
- **MPEG-2 TS to SRT:** Monarch EDGE Command Center now supports converting MPEG-2 TS streams to SRT for transmission. Configure your local MPEG-2 streams as inputs to Monarch EDGE E4 encoders, and seamlessly send them out as SRT streams to Monarch EDGE D4 decoders or other specified destinations (VANC not currently supported).
- **Logo and Watermark Insertion:** Monarch EDGE Command Center now supports adding logos and graphics directly to your streams.
- **SRT Protocol Update:** Monarch EDGE now supports version 1.5.1 of the SRT open standard protocol, ensuring improved performance and compatibility.
- **RTP Packet Transport:** Monarch EDGE now supports transporting MPEG-2 TS streams via RTP, in addition to the existing UDP option.

As with all Monarch EDGE releases, this release also resolves specific customer issues, provides compatibility with the latest supported applications, and improves on overall product stability.

Known issues

Please note the following known issues in this release:

- The Monarch EDGE Decoder does not decode streams that include B frames for content that is native 1080i @ 29.97 fps or 1080i @ 25 fps. Progressive streaming formats that include B frames are supported. (MN-918)
- CBR (constant bit rate) streaming may not work when the stream is video only. (MN-1882)
- When the SDI input of an RTMP stream is disabled and re-enabled, the **Audio source** will revert to **None** and the stream will not return. For the RTMP stream to return, you must set the **Audio source** to the original setting. (MN-1906)
- When setting the Monarch EDGE to a static IP, do not use an IP address that ends in "1" (e.g. 10.0.0.1). These addresses are normally reserved for network gateways, and the EDGE will give you an error if you try to use one for a static IP. (MN-2153)

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