Matrox® Release Notes

Matrox® Vion™ Series

Software version 1.01.00.403

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video.matrox.com

Overview

This document describes the initial release (version 1.01.00.403) of the Matrox Vion Series.

What's new

This is the initial release of the Matrox Vion Series.

Please refer to our website for an overview of the Matrox Vion Series, including a list of the benefits and features.

Notes and limitations

The following are notes and known limitations that may be addressed and/or improved in a future release:

- The device cannot reliably capture UHD 60/59.94/50 signals from some AMD GPUs. The signal may appear as black with no audio, and the device may repeatedly reconnect. UHD30 and 1080p60 are unaffected. [MVX3-2525]
- Adding a new NDI input using Discovery may default the sender's address to LAN 2 instead of LAN 1 on Vion NX and EX. This behavior comes from the NDI library and may ignore manual settings. [MVX3-4158]
- The Clear device processing configuration option may not work if triggered while an invalid pipeline is active (swirling logo). The device does not confirm success or failure. [MVX3-3876]
- On Vion EX, NDI input does not work when the sender is on LAN 2 and the receiver is set to "No restriction," if the active interface is LAN 2. [MVX3-4289]
- HDMI input with NDI HX output (H.265, any pixel format) sends only audio to Studio Monitor; video is not displayed. [MVX3-3774]
- Login hostnames (vion-xxxxxxx) may not work in Chrome on macOS due to proxy and mDNS behavior. Access is possible by disabling the proxy or appending ".local". [MVX3-3043]
- Refreshing during the Erase data process may allow signing in before completion, leaving the device in a faulty state if streams are active or undetectable. [MVX3-4252]
- If the device is already in a faulty state, Erase data does not clear processing data and shows no warning. [MVX3-4058]

- The UI allows NTSC (720×486i @29.97) and PAL (720×576i @25) SDI inputs to be added even though they cannot be captured, leading to vague error messages. [MVX3-3732]
- When receiving UHD@24 with PTP disabled, audio and video may be out of sync. With PTP enabled, streams may start out of sync but realign after about one minute. [MVX3-5012]

Known issues

The following are known issues while using Matrox Vion:

- On Vion EX and NX, heavy transcoding pipelines may start slowly and display errors until resources are available. [MVX3-4192]
- Entering an incorrect registry IP shows a success message without warning that NMOS registration failed. [MVX3-4033]
- On Vion EX, connecting or disconnecting a network cable may stop local outputs for up to 30 seconds, even without streams in the flow. [MVX3-4369]
- After PTP loss and recovery, IPMX streams may not resume unless the pipeline is restarted. This occurs when no fallback PTP leader is present. [MVX3-4388]
- Stopping a pipeline with two IPMX outputs and one HDMI output may cause the device to enter a faulty state and require restart. Does not occur without HDMI output. [MVX3-4167]
- On Vion EX and NX, IPMX streams may fail to reconnect after brief LAN disconnections. On EX, NDI recovers; on NX, neither IPMX nor NDI recover automatically. [MVX3-4850]
- IPMX video may fail at 880 Mbps for certain resolutions (4K@50, 4K@59.94, 4K@23.98). Audio continues, and lowering bitrate to 440 Mbps resolves the issue. Streams from another Vion are unaffected. [MVX3-4532]
- Some third-party receivers may report “No signal” for Vion IPMX streams, even though connection and data are active. [MVX3-4458]
- The interface does not indicate when an IPMX stream is disconnected. SDP details may display, misleading users that the stream is active. [MVX3-4260]
- Updating to mDNS may fail on both LAN 1 and LAN 2, preventing NMOS advertisement. [MVX3-4032]
- For IPMX, the default output bitrate is fixed at 880 Mbps and does not adjust by resolution. [MVX3-4203]

- Starting or stopping IPMX pipelines may take up to 1 minute instead of ~8 seconds. Refreshing during this time cancels the action. [MVX3-4201]
- Audio encoding above 576 kbps for 2-channel audio stops the stream. This affects RTSP, SRT, MPEG-TS, and NDI HX with SDI, HDMI, or Phoenix inputs. [MVX3-4343]
- With NMOS, IPMX streams freeze when the primary PTP leader is lost and do not resume after failover. Streams connected via SDP recover. [MVX3-4856]
- IPMX interlaced resolutions may not connect at default bitrate, showing audio only. Lowering to ~150 Mbps allows connection; stream may continue after bitrate is restored. [MVX3-4846]
- If IPv6 is enabled and the user performs a factory reset or Erase data, IPv6 may not function properly. To restore functionality, manually disable and re-enable IPv6 in the network settings. [MVX3-4995]

Contact us

The Matrox web site has product literature, press releases, technical material, a sales office list, trade show information, and other relevant material. Visit us at video.matrox.com.

If you have any questions or comments about our products or solutions, contact us at video.matrox.com/contact.

You can get technical assistance by contacting Matrox technical support at <Vion Support Link@matrox.com>.

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