

Matrox[®] Video Release Notes

Matrox[®] Avio[™] N2150

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Overview

This document describes version 1.01.00 of the Matrox Avio N2150. Matrox Video provides these notes to describe new features, bug fixes, and improvements in the Avio N2150 product.

For an overview of the Matrox Avio N2150, including a list of benefits and features, please refer to our [website](#).

What's new

This release includes the following new features and improvements:

- Support for 5K resolutions.
 - The system supports the following 5K resolutions: 5120x1440@60Hz, 5120x2160@30Hz, and 5120x2880@30Hz.
 - The corresponding EDID files are available on the Matrox website.
- Audio stream details in the Web UI and on-screen display (OSD).
- Automatic start of Tx streaming when NMOS is enabled in the Web UI or OSD.
- USB stream redundancy for mouse and keyboard.
- Option to enable or disable the OSD in the user interface.

The following issues have been fixed:

- For unicast DNS-SD discovery, only user-specified search domains were used. The system now also uses search domains provided by DHCP. [CIPKVM-1428]
- When **Control** was configured on the SFP ports, the receiver login page incorrectly displayed the Media port IP address. The system now displays the **Control** port IP address. [CIPKVM-2009]

Notes and limitations

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

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- When streaming to a ConvertIP device in MultiView, you need to configure the Avio 2 transmitter to stream using the 1G preset (under Video bitrate level).
- When using Google Chrome with the “Memory Saver” feature enabled (this feature is enabled by default in recent Chrome versions), any Avio 2 Web UI session opened using the device’s IP Address is terminated when the browser unloads the inactive tab from memory. To circumvent this, log into the Web UI using the device’s hostname instead of the IP Address.
- Only Google Chrome is officially supported. If other browsers are used, the Web UI might show visual corruption or artifacts that could make it unsuitable for use.
- Mic-in and RS-232 are not supported in this release.
- USB 2.0 headsets with mic-in are not supported currently.
- IPv6 is not supported in this release.
- Link redundancy is supported only for video, audio, and for USB mouse and keyboard.
- On a Windows system, the Avio 2 default EDID causes the PC video output to always be 4K even if the desktop resolution is set to a different resolution. This results in a 4K video stream.
- Connections made using NMOS do not display correctly in the receiver's Web UI or OSD.
- NMOS connections to Matrox ConvertIP devices do not reconnect automatically if the Avio 2 transmitter is rebooted.
- The SDP file is not accessible if NMOS is disabled on the transmitter, even though the file is available.
- NMOS automatic registry discovery using mDNS or DNS-SD is supported if the DHCP server registers the NMOS service. Use manual mode as a workaround if automatic discovery fails.

- On some unmanaged network switches, you may encounter random behavior such as units appearing connected but not displaying audio or video.
- Changing the following options during an active connection is not supported: PTP, network routing scheme, audio configuration (HDMI to analog and vice versa), and video encoding options.
- After rebooting a connected transmitter, it disappears from the Sources panel, and the receiver shows *Connecting* in the Properties panel.
- If a unit boots without SFP modules installed, the video bitrate level displays as *Standard 1G*. A reboot is required after installing the SFP modules.
- SFP temperature readings are available only with certain SFP models.
- On macOS hosts, temporal dithering degrades visual quality when using the ProAV codec. Disable temporal dithering for best results.

Known issues

The following are known issues in this release of Matrox Avio 2.

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- In 5K resolution, while using the JPEG XS codec, there is one frame of added latency. [CIPKVM-2927]
- Displaying a 5K stream on a non-5K display may result in visual corruption. [CIPKVM-2552]
- Visual corruption will appear for less than 60 seconds after SFP1 connection is restored. This occurs while using video compression (ProAV or JPEG XS). [CIPKVM-2933]

Contact us

The Matrox Video 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 Video technical support at KVMSupport@matrox.com.

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