Matrox™ **Linux Display Wall Driver Release Notes**

For Matrox™ C-Series and Mura™ IPX Series driver version 2.10.00

www.matrox.com/graphics

matrox®

Graphics for Professionals

Overview

This document describes the current release of the Matrox Display Wall drivers (v2.10.00) for Mura IPX Series and C-Series graphics for Linux® operating systems.

This driver holds for the following supported display wall configurations:

- Up to 2× C680 cards
- Up to 2× C680 + multiple Mura IPX Series 4K capture cards

Matrox provides these notes to describe bug fixes and improvements to the software, API, and driver.

Operating system support

This release supports the following configurations and operating systems combinations.

- Up to 2 C-Series C680 standalone and up to 2 C-Series C680 + multiple Mura IPX Series capture card configurations:
  - Supports the following distributions of Ubuntu®: 14.04, 14.04.1, 14.04.2, 14.04.3, and 14.04.4
  - Supports X version 1.15.1 to 1.17.2
  - Supports CentOS 7.2
  - Supports kernels:
    - 3.13.0-24, 3.13.0-98, 3.13.0-100
    - 3.16.0-77
    - 3.19.0-80
    - 4.2.0-27, 4.2.0-42

What's new in this release

This release of the Mura driver adds support for the following features and options:

- First release of Matrox Display Wall drivers for Linux.
- Support for Matrox Network API and VWLib libraries and SDKs on Linux based controllers.

Notes and limitations

Known general limitations

The following are known issues that may be fixed in a future release:

- Console displays are unsupported with C-Series on Linux based-controllers.

- Alpha blending is unsupported.

- Depending on the location of streaming windows on the desktop, certain streaming windows may not be able to reach full frame rates.

- The render rate may be affected if the outputs don't all use the same refresh rate.

- Some systems may exhibit bus transfer performance issues.

Known limitations with Mura IPX Series cards

The following are known issues while using Mura IPX Series cards.

- If static IP addressing is used, your network must have a time server for the Mura IPX Series card to function properly.

- Interlaced video is currently unsupported on Mura IPX Series.

- Hardware dip switches are currently unsupported on the Mura IPX Series cards.

- Only RTSP protocol is currently supported for IP streams.

Known issues and limitations with the Network API interface

The following are known issues and limitations when using the Network API interface:

- Not all Network API commands are supported in all supported display wall hardware configurations. For a complete list of supported commands, see the Capabilities functionality in the Network API.

- Alpha blending, color keying, transitions, previews and effects are unsupported on Linux-based video walls.

- When the *Netinfo* command is called, only the host network adapter is listed. [26732]

- The Network API can only report modes common to all monitors.

- The *SetSourceImageOverlay* and *AddSourceTextOverlay* commands are unsupported with inputs or source applications running on the host system.

- HTTPS communication with the Network API is unsupported.

- IP source resolution information may return 0 for width and height.

- Source image overlay may not be placed in the right position and may bleed out of a window surface.

- Source text overlay doesn't scale accordingly when a window is being resized.

- Shutting down the system while streams are up on the wall is unsupported.

- For the *Start Nobackground* command, the parameter *NoWindowsFrame* is unsupported.

- For the *Source* command, the parameter */Available* is unsupported.

- Marquee text transparency is unsupported.

Driver installation

Before you begin

- Make sure the correct operating system is installed.

- Make sure you're running as root as this will be required for the installation of the drivers.

- Make sure the necessary exceptions are added to your firewall to allow network communications. The Network API uses port 23 for telnet communications.

Setting up your C-Series-based controller (with or without Mura IPX Series capture cards)

1 Install and connect your C-Series C680 and Mura IPX Series cards.

2 For installation instructions, read the correct *readme* file for your operating system included in your software package.

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 www.matrox.com/graphics.

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

You can get technical assistance by contacting Matrox technical support at dwcsupport@matrox.com.

Disclaimer

Information in this document may contain technical inaccuracies or typographical errors. Information may be changed or updated without notice. Matrox reserves the right to make improvements and/or changes in the products, programs and/or specifications described in this information at any time without notice. All trademarks and trade names, service marks and logos referenced herein belong to their respective owners.

Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Linux is a registered trademark of Linus Torvald in the United States and in other countries.

VNC is a registered trademark of RealVNC Ltd. in the United States and in other countries.

matrox®

Graphics for Professionals