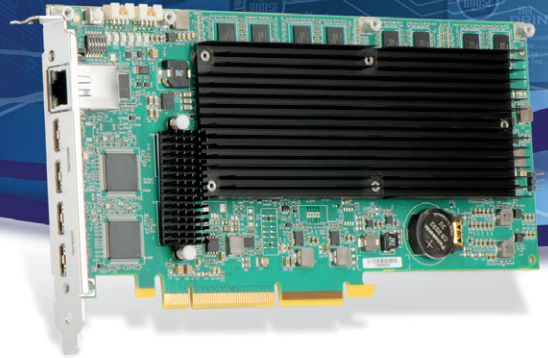


Matrox Mura IPX 4K HDMI Capture Card



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Matrox Mura™ IPX 4K HDMI capture PCI Express® cards provide OEMs and system builders with best-of-breed hardware and software to enhance their video walls and operator workstations with advanced video processing. Mura IPX boards are ideal for control rooms, digital signage, AV presentation and other high-density applications.



4K Capture

Capture up to 4x 4K streams per Mura IPX 4K HDMI Capture card.



HDCP Capture

Capture HDCP content using the Mura IPX 4K HDMI Capture card, and display it on your video wall using the Matrox D-Series graphics card.



Direct Memory Access

Mura IPX series capture cards provide the ability to directly access system or graphics memory for a given application to obtain the raw data and perform a variety of processing operations—including analysis, warping, and rendering, among others.



Dynamic System Scalability

Through the integration of the low-footprint Mura IPX cards, video wall controllers, multiviewers, and personal video walls can be built to the scale required for specific projects. Optimized for performance, Mura IPX cards can be combined with other Mura capture cards allowing for greater flexibility in integration while also offering enhanced thermal reliability.



Software Control

Control your Matrox-based video walls using the low-cost, premium performance Matrox MuraControl software that provides an easy and intuitive way to manage your Matrox-based video wall, multi-viewer, or personal video wall locally or remotely.



APIs & SDKs

Matrox also offers a suite of customization software, APIs, and libraries that allow OEMs and developers to deploy intuitive, ready-to-use software or build custom interfaces & applications based on project needs. Use the NetAPI to quickly and easily build powerful video wall control software, or the VWLib API if you are looking for an even deeper level of customization. Similarly, video wall features can easily be added to existing applications through support of Microsoft® DirectShow filters.

Mura IPX 4K HDMI Capture Card

Mura IPX 4K HDMI Capture Card	
Product	
Part Number	MURAIPXI-C4JHF
Board Type	Four Capture
Connectors	4x Mini HDMI (Type C), RJ45 Ethernet Port
Input Resolution ¹	4096x2160 60Hz ² , 4096x2160 @30Hz, 3840x2160x2160 @60Hz ² , 3840x2160 @30Hz, 2560x1600 @60Hz
Bus Interface	PCIe x16 Gen 2 mechanical (x8 electrical)
Memory	8 GB (34 GB/sec)
Network Interface	
Connector	RJ45 port for firmware updates
Control Protocols	
Control Protocols	RS232, Telnet and HTTP/HTTPS
Color Space	
Pixel Transfer Formats	RGB: 8:8:8, 10:10:10 (24/32 bits per pixel), YUV: 4:4:4, 4:2:2, 4:2:0 (8/10 bits per component), MONO: (8/10 bits per pixel), Colour Space Conversion Support
Video & Audio Processing	
Video Scaling	Matrox Advanced MultiTap Video Scaling Engine for 4K to SD multi-channel downscaling and SD to 4K multi-channel upscaling
Video Deinterlacing	Adaptive Deinterlacer ³ and Antialiasing Technology
Video Compositing	Multi-Channel Video Composite/Key/Blend/Crop/Mirror/Flip ³
HDCP Compliance	Capture, display, and scale HDCP sources
Audio Format	AAC, PCM, Stereo and Mono
Audio Sampling Rate	Between 32 KHz and 96 KHz
HDCP Capture	HDCP is supported with Mura IPX Capture Series and the Matrox D-Series video wall graphics card
Video Encoding/Decoding	
H.264 Encoding	—
H.264 Decoding	—
Environmental & Power Conditions	
Conditions	Operating: Temperature: 0 to 45 degrees Celsius, Humidity: 20% to 80% non-condensing, Altitude: from 650 hPa (3580m) to 1013 hPa (0m) Storage: Temperature: -40 to 70 degrees Celsius, Humidity: 10% to 90% non-condensing, Altitude: from 192 hPa (12000m) to 1020 hPa (-50m)
Typical Power Consumption	24.6W (12V), 6.105W (3.3V) [Total: 30.705W]
General Specifications	
Dimensions ⁴	9.02 x 4.38 inches/268g
OS Support	Linux [®] & all Standard and Server versions of Windows 10
Regulatory	FCC Class B, CE Class B, ACMA Class B, VCCI Class B, MSIP, ICES - 003 Class B
Environmental Certifications	CSA/EU RoHS, China RoHS, REACH
Warranty	3 Years

1. Standard resolutions listed above. Support for custom resolutions available. For specific requirements, contact Matrox.

2. Input resolution in YUV 4:2:0, 12 bit per pixel (8 bits per component).

3. Feature not yet supported. Please view Release Notes for latest updates or contact Matrox for more details.

4. Including gold-fingers; not including bracket and connectors.

Contact Matrox

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