

## Matrox® Mura C4K series

### **Enhanced capabilities for your video wall.**

Matrox® Mura™ C4K quad HDMI capture PCI Express® card provides OEMs and system builders with best-of-breed hardware and software to enhance their video walls and operator workstations. Mura C4K capture cards are ideal for control rooms, digital signage, AV presentation, and other applications that require high-density HDMI streams up to 4Kp60.

## Key features and benefits.

### 4K HDMI 2.1 capture

Capture up to four (4) 4Kp60 streams per Mura C4K card.

### HDCP capture

Capture HDCP v1.4/v2.3 content using the Mura C4K card and display it on your video wall using the Matrox LUMA Pro Series graphics card.

### Direct memory access

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

Build video wall controllers, multi-viewers, and personal video walls to the scale required for specific projects. Optimized for performance, Mura C4K enables greater flexibility in integration while also offering enhanced reliability with its fanless SKU.

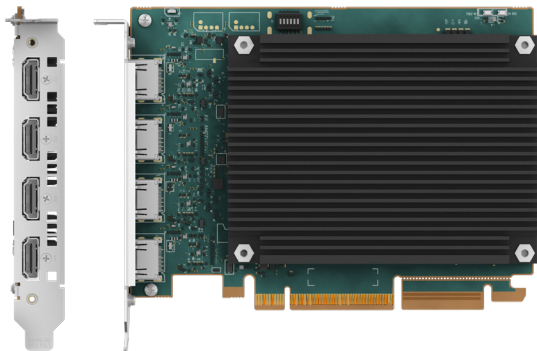
### Software control

Manage your Matrox-based video wall, multi-viewer, or personal video wall locally or remotely with the intuitive Matrox MuraControl™ for Windows.

### APIs & SDKs

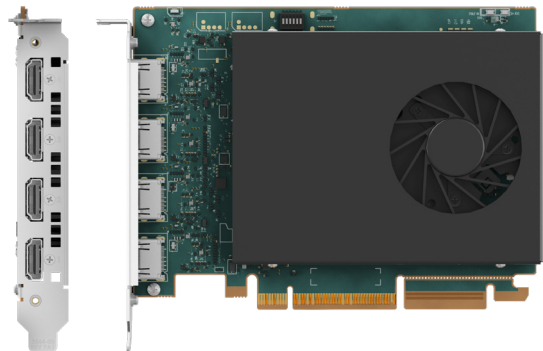
Deploy ready-to-use software or build custom interfaces and applications with Matrox Video software, APIs, and libraries. Use the Mura Network API to quickly build powerful video wall control software, or the Mura VWLib API for an even deeper level of customization.

## Card overview



### MURA-C4KH

Single-slot PCIe® 4Kp60 HDMI quad-capture card provides increased reliability through its fanless design for high-density applications.



### MURA-C4K

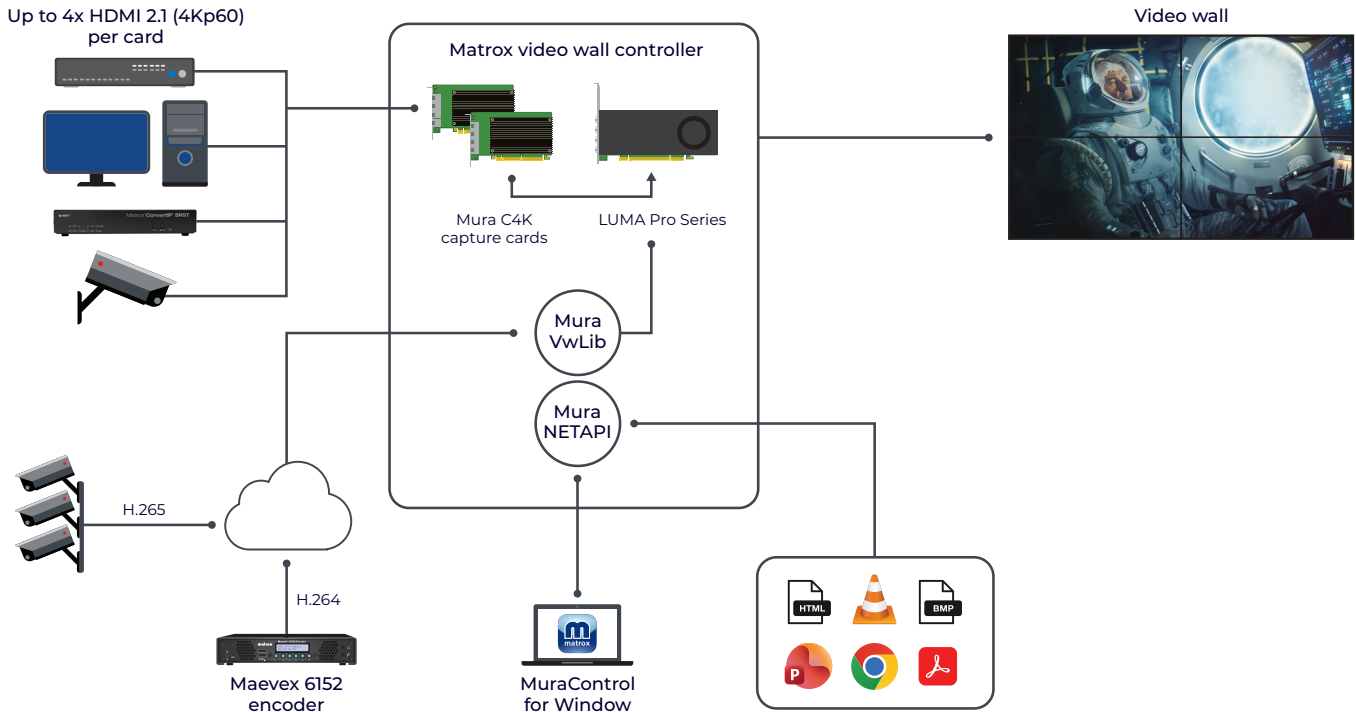
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## Markets and applications.

- Retail
- Commercial gaming
- Education
- Healthcare
- Industrial
- Transportation

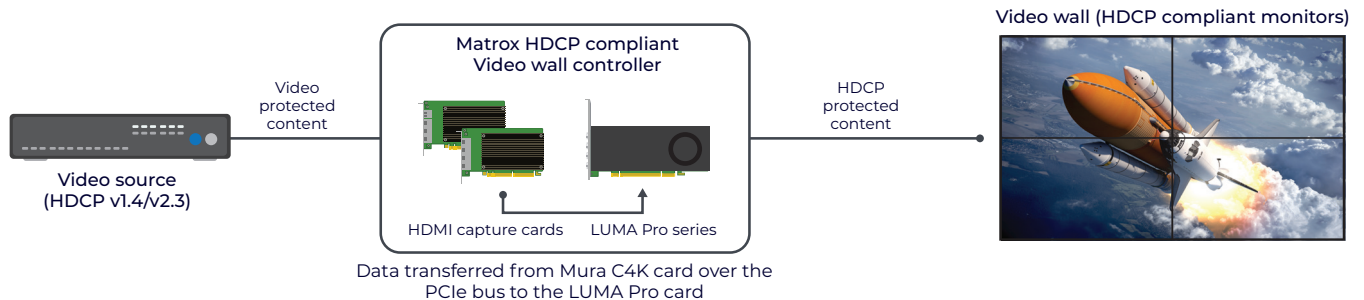
## Proven video wall ecosystem.

Combine Matrox Mura C4K's exceptional multi-channel 4Kp60 capture and encode capabilities with Matrox LUMA Pro Series graphics cards to deliver up to 8x 8K60 or 16x 5K60 displays. Mura C4K capture cards also offer ready-to-use software, APIs, SDKs, and libraries, such as Matrox MuraControl, Mura VwLib, and Mura Network API, providing full control and customization of any video wall installation.



## HDCP compliant video wall controller.

Mura C4K cards capture up to 4 x 4Kp60 HDCP v1.4/v2.3 sources from a single-slot card. When paired with Matrox LUMA Pro Series, Mura C4K capture cards can display HDCP protected content on video walls and operator workstations.



## Technical specifications

Product		Mura C4K
Part number	• MURA-C4KH	• MURA-C4K
Cooling	• Passive	• Active
Connectors	• 4x HDMI 2.1 <sup>1</sup>	
Maximum input resolutions	• 4x 4096x2160 60Hz, 10-bit	
Bus interface	• PCIe Gen 3.0 x16 (x8 electrical)	
Form factor	• Standard height, half length, single slot	
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), color space conversion support	
Video & audio processing		
Audio format	• L-PCM, up to two channels	
Audio sampling rate	• Between 32 KHz and 96 KHz	
HDCP compliance	• HDCP v1.4 & v2.3 are supported with Mura C4K capture cards and Matrox LUMA Pro graphics cards	
Environmental & power conditions		
Operating conditions	• Operating: Temperature: 0 to 45 degrees Celsius, • Humidity: 20% to 80% non-condensing, • Altitude: from 650 hPa (3580m) to 1013 hPa (0m)	
Storage conditions	• 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	• 29.8W typical, 32W max	
General specifications		
Dimensions <sup>2</sup>	• 5.953 inches (L) x 4.724 (H) inches 15.120 cm (L) x 12.615 cm (H)	• 5.953 inches (L) x 4.724 (H) inches 15.120 cm (L) x 12.615 cm (H)
Weight	• 0.66 lbs (298 grams)	• 0.58 lbs (264 grams)
OS support	• Windows 10/11/LTSC <sup>3</sup>	
Regulatory compliance	• FCC (US) Class A, CE (European Union) Class A, RCM (Australia/New Zealand) Class A, KC (Korea) Class A, ICES-003 (Canada) Class A, UKCA (United Kingdom) Class A.	
Environment compliance	• EU RoHS, China RoHS, REACH, WEEE	
Warranty	• 3 years	• 2 years
Accessories (sold separately)		
Secure cable solution	• SK-SLNC-4	

1. Video pixel rate up to 600 Mpixel/sec.

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

3. For more information, contact your Matrox Video representative.



### Contact Matrox Video

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