

PRELIMINARY

# MATROX® VIDEO DISTRIBUTED VIDEO WALL APPLIANCE



## Matrox® Mura DVW Seamless, Scalable, Synchronized Video Walls

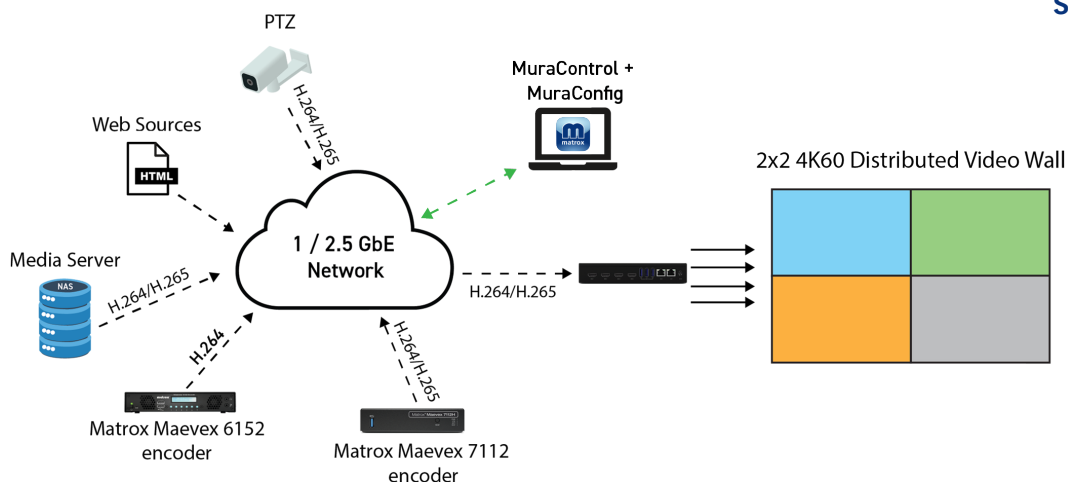
Matrox® Mura DVW is a high-performance IP-based 4K distributed video wall appliance that enables you to combine multiple units to easily create a fully synchronized video wall of any size. Mura DVW integrates advanced computing, networking, video decoding, and graphical processing capabilities to deliver seamless visual experiences with maximum security. Mura DVW video walls are flexible and scalable, enabling you to build fully distributed video walls with performance that improves as you add more appliances. Each Mura DVW appliance supports incredibly high-density and flexible decoding—up to one 8K60, four 4K60, eight 4K30, sixteen 1080p60 streams—all in H.265 (HEVC) or H.264 (AVC). TAA SKU is available.

## Key features and benefits

<b>Perfect video synchronization</b>	Drive up to 64 4K synchronized displays and eliminate tearing by synchronizing DVW appliances together using IP-based PTP framelocking.
<b>HEVC 4:4:4 codec</b>	Get the full color (4:4:4) depth needed for maximum image quality, along with maximum equipment compatibility, and ensure low-bitrate transmission of high-quality content over IP.
<b>Simple and serverless</b>	Lower deployment costs by reducing additional hardware, dedicated server, and cabling requirements. Mura DVW further simplifies your video wall deployment by eliminating the need for a separate server and the additional complexity and cost of running a server.
<b>Effortless installation</b>	Quickly install and configure your video wall on any device from any location with the MuraConfig complimentary web-based installation and configuration application.
<b>Advanced performance</b>	Transport high-quality content with minimal bandwidth and achieve video-over-IP interoperability with a wide range of H.264- and H.265-compatible devices. The more Mura DVW appliances you add, the more performance scales.
<b>Control with confidence</b>	Get up and running quickly using software you're familiar with. The Matrox Network API (NetAPI) simplifies development by providing you with a single development for both traditional Matrox-based video walls and the new distributed video walls. Also, easily create and manage your distributed video wall layouts offline or in real time using Matrox MuraControl™ software for Windows®.
<b>Long product lifecycle and dedicated support</b>	Benefit from a product longevity of ten years and dedicated customer support. Your product carries a two-year warranty and has an available extended three-year warranty to ensure maximum protection.

## Perfectly seamless, scalable video walls

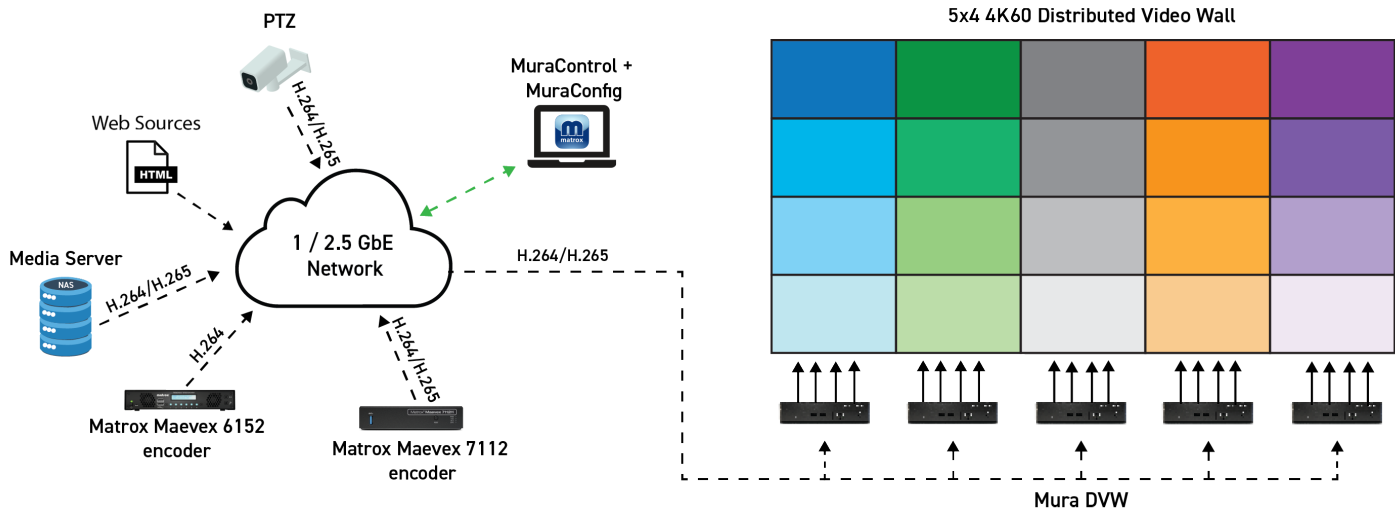
Display perfectly synchronized streams from a range of sources, including PTZ cameras, encoders, media servers, and web. Mura distributed video walls are flexible and scalable, enabling you to build the video wall you need with up to 64 4K outputs.



Small video wall

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## Large video wall



## High-quality desktop content with H.265 4:4:4 codec

Thanks to the H.265 4:4:4 codec, Mura DVW allows you to get the full color depth needed for maximum image quality and maximum equipment compatibility. H.265 4:4:4 ensures low-bitrate transmission of high-quality content over IP critical for applications that require color accuracy, compression efficiency, and high performance.

## Technical specifications

Product	Mura DVW
Part number	DVW-Q4KY
Cooling	Fan
Connectors	4x HDMI, 2x 2.5GbE RJ45 ethernet ports
Maximum output resolutions	Max. 4096x2160 @ 60Hz
Form factor	Standalone appliance, 1U, ½ rack (horizontal)
<b>Network Interface</b>	
Standard	Ethernet 10/100/1000/2.5G base-T, auto-detect, half/full-duplex
Connector	RJ45
IP version	IPv4/IPv6
Distributed method	Unicast, multicast and multiple unicast
IP addressing	DHCP (default) and Static IP
<b>Streaming &amp; Control Protocols</b>	
Streaming protocols	RTSP, SRT
Command & control protocols	Telnet and HTTPS
<b>Color Space</b>	
Pixel formats	<b>RGB:</b> 8:8:8, 10:10:10 (24/32 bits per pixel), <b>YUV:</b> 4:4:4, 4:2:0 (8/10* bits per component), color space conversion support

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## Technical specifications (Cont.)

<b>Product</b>	<b>Mura DWV</b>
<b>Video &amp; Audio Processing</b>	
Video compositing	Multi-channel video composite/key/blend/crop/mirror/flip
Audio format	AAC, PCM, Stereo and Mono <sup>1</sup>
Audio sampling rate	Between 32 KHz and 96 KHz
HDCP compliance	Yes <sup>1</sup>
<b>Video Decoding</b>	
Codec engine	H.264/MPEG-4 Part 10 (AVC), up to level 5.2 H.265 (HEVC), up to level 6.2
H.264 and H.265 decode	For both H.264 and H.265: 1x 8K60, 2x 8K30, 4x 4K60, 8x 4K30, 16x 1080p60
Rate control	Constant bitrate (CBR), variable bitrate (VBR), VBR with constraints, configurable GOP (group of pictures) structure
<b>Environmental &amp; Power Conditions</b>	
Conditions	<b>Temperature:</b> -5 to 40 degrees Celsius <b>Humidity:</b> 10% to 90% non-condensing
Storage conditions	<b>Temperature:</b> -20 to 70 degrees Celsius <b>Humidity:</b> 5% to 95% non-condensing
Typical power consumption	45W (12-19V)
<b>General Specifications</b>	
Dimensions	Length: 19 cm (7.48") Width: 14.8 cm (5.83") Height: 3 cm (1.18")
Regulatory compliance	FCC, CE
Environment compliance	CSA / EU RoHS
Warranty	2 years <sup>2</sup>

1. Coming soon. 2. Extended warranty available.

### Contact Matrox Video

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