

# Matrox Mura IPX 4K IP Decode & Display Cards

	4K IP Decode & Display Card (part number: MURAIPXO-D4LF)	4K IP Decode & Display Card (Fanless) (part number: MURAIPXO-D4LHF)
<b>Product</b>		
Board Type	Four Outputs and IP Decode	
Connectors	4 x Mini DisplayPort, 1 x 100/1000 Base-T RJ45 Ethernet Port	
DisplayPort <sup>1</sup> Output Resolutions	4096x2160 @30Hz, 3840x2160 @30Hz, 2560x1600 @60Hz	
Bus Interface	PCIe x16 (Gen2) - Power only	
Memory	8 GB (34 GB/sec)	
<b>Network Interface</b>		
Standard	Ethernet 10/100/1000 Base-T, Auto-Detect, Half/Full-Duplex	
Connector	RJ45	
IP Version	IPv4/IPv6	
Distribution Method	Unicast, Multicast and Multiple Unicast	
IP Addressing	DHCP (Default) and Static IP	
<b>Streaming &amp; Control Protocols</b>		
Streaming Protocols	SRT, RTP, RTSP, MPEG2-TS, RTMP <sup>3</sup>	
Command & Control Protocols	Telnet and HTTP/HTTPS	
<b>Color Space</b>		
Pixel Transfer Formats	<b>RGB:</b> 8:8:8, 10:10:10 (24/32 bits per pixel), <b>YUV:</b> 4:4:4, 4:2:2, 4:2:0 (8/10 bits per component), <b>MONO:</b> (8/10 bits per pixel), Color Space Conversion Support	
<b>Video &amp; Audio Processing</b>		
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 <sup>3</sup> and Antialiasing Technology	
Video Compositing	Multi-Channel Video Composite/Key/Blend/Crop/Mirror/Flip	
Audio Format	AAC, PCM, Stereo and Mono	
Audio Sampling Rate	Between 32 KHz and 96 KHz	
<b>Video Decoding</b>		
Codec Engine	H.264/MPEG-4 Part 10 (AVC), Up to Level 5.2	
H.264 Profiles	Baseline profile (BP), Main Profile (MP), High Profile (HiP), High 10 Profile (Hi10P), High 4:2:2 Profile (Hi422P), High 4:4:4 Predictive Profile Separate Plane (Hi444PP)	
H.264 Decode <sup>1</sup>	Two 3840x2160 @60Hz, four 3840x2160 @30Hz, eight 1920x1080 @60Hz, sixteen 1920x1080 @30Hz, numerous SD IP channels	
Decoder Bitrates	100 Kbps to 500 Mbps CABAC, 100 Kbps to 800 Mbps CAVLC	
Rate Control	Constant Bitrate (CBR), Variable Bitrate (VBR), VBR with Constraints, Configurable GOP (Group Of Pictures) Structure	
<b>Environmental &amp; Power Conditions</b>		
Operating Conditions	Temperature: 0 to 45 degrees Celsius, Humidity: 20% to 80% non-condensing, Altitude: from 650 hPa (3580m) to 1013 hPa (0m)	
Non-operating/Storage Conditions	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]	
<b>General Specifications</b>		
Dimensions <sup>2</sup> (L x H) / Weight	9.02 x 4.38 inches / 314g	9.02 x 4.38 inches / 278g
Regulatory Certifications	FCC Class B, CE Class B, ACMA Class B, VCCI Class B, MSIP, ICES - 003 Class B, China RoHS, REACH	
Environmental Certification	CSA / EU RoHS	
Warranty	2 Years	3 Years

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

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

3. Feature not yet supported. Please view Release Notes for latest supported protocols.

## Contact Matrox

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