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Link do produktu: https://www.wamm.pl/magewell-pro-capture-hdmi-4k-plus-p-2193.html



Magewell Pro Capture HDMI 4K Plus

Cena brutto	**4 917 zł**
Cena netto	**3 997 zł**
Dostępność	**Zapytaj o dostępność**
Kod producenta	**11150**
Producent	**Magewell**

Opis produktu

Pro Capture HDMI 4K Plus

One channel 4K capture card

- HDMI 2.0 + embedded audio

Tech Specs

Supported OS

- Windows
  - Windows 7/8/8.1/10/Server 2008/Server 2008 R2/Server 2012/Server 2016 (x86 & x64)
- Linux (support x86, x64 & ARM architecture)
  - Ubuntu 12.04/14.04/16.04/17.04/17.10 (x86 & x64)
  - CentOS 6.5/7 (x86 & x64)
  - Fedora 25/26/27 (x86 & x64)
  - Red hat 6.5 and above (x86 & x64)
  - Other Linux OS with kernel version 2.6.35 and above

	• Mac
	  ◦ OS X 10.9/10.10/10.11
	  ◦ macOS 10.12/10.13

Recommended OS (tested)	

	• Windows
	  ◦ Windows 7 Ultimate/8.1 Enterprise/10 Enterprise/Server 2008 R2 DataCenter/Server 2012 R2 DataCenter/Server 2016 R2 DataCenter (x86 & x64)
	• Linux
	  ◦ Ubuntu 12.04/14.04/16.04 (x86 & x64)
	  ◦ Ubuntu 17.04/17.10 (x64)
	  ◦ CentOS 6.5/7.2 (x86 & x64)
	  ◦ Fedora 25/26 (x64)
	  ◦ Red hat 6.5 (x86 & x64)
	• Mac
	  ◦ OS X 10.9.5/10.10/10.11.2/10.11.3/10.11.4
	  ◦ macOS 10.12/10.13.2/10.13.3

Supported APIs	

	• Windows
	  ◦ DirectShow
	  ◦ DirectKS
	  ◦ Wave API/DirectSound/WASAPI

Supported Software	
	• VLC • VirtualDub • OBS • XSplit • vMix • VidBlaster • Wirecast • Microsoft Media Encoder • Adobe Flash Media Encoder • Any other DirectShow/V4L2 encoding/streaming software
Input Interfaces	

	• HDMI
	  ◦ DVI-D 1.0
	  ◦ HDMI 2.0

Host Interfaces	
	• PCIe Gen2 x4
Input Features	
	• Support for input video resolutions up to 4096×2160 pixels
HDMI Specific Features	
	• 594MHz HDMI receiver • Adaptive HDMI equalizer • Support for customized EDID

	• Support for extraction of AVI/Audio/SPD/MS/VS/ACP/ISRC1/ISRC2/Gamut InfoFrames • Full colorimetry support • Support for 8/10/12-bit color depths • Support for RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 color sampling • Support for up to 8-channel IEC60958/IEC61937 audio streams • Support for extraction of audio formation information & channel status data • Support for extraction of video timing information • Support for extraction of 3D format information • Support for extraction of Sony/Canon DSLR time code • Support for Side-by-Side Half, Top-and-Bottom, Frame Packing 3D mode
Video Capture Formats	
	• Support for capture image resolutions up to 4096×2160 pixels • Support for capture frame rates up to 144fps. (Actual capture frame rate can be limited by PCIe bandwidth & image resolution) • Support for 4:2:0 8-bit capture formats: NV12, I420, YV12 • Support for 4:2:2 8-bit capture formats: YUY2, YUYV, UYVY • Support for 4:4:4 8-bit capture formats: V308, IYU2, V408, BGR24, BGR32 • Support for 4:4:4 10-bit capture formats: V410, Y410 • More capture formats are supported via Pro Capture SDK for DirectKS
Video Processing Features	

	• Two video processing pipelines with ~720Mpixels/s processing bandwidth
	• Full 10-bit video processing
	• Video cropping
	• Video scaling
	• Video de-interlacing
	  ◦ Weave
	  ◦ Blend top & bottom field
	  ◦ Top field only
	  ◦ Bottom field only
	• Video aspect ratio conversion
	  ◦ Auto or manual selection of input aspect ratio
	  ◦ Auto or manual selection of capture aspect ratio
	  ◦ Three aspect ratio conversion modes: Ignore (Anamorphic), Cropping or Padding (Letterbox or Pillarbox)
	• Video color format conversion
	  ◦ Auto or manual selection of input color format & quantization range
	  ◦ Auto or manual selection of capture color format, quantization range & saturation range
	  ◦ Support for RGB, YCbCr 601, YCbCr 709, YCbCr 2020 color formats
	  ◦ Support for Limited or Full quantization range
	  ◦ Support for Limited, Full & ‘Extended gamut’ saturation range
	• Video frame rate conversion
	• Video OSD composition
	  ◦ Support for PNG OSD image (up to 4096×2160)
	  ◦ Support for dynamic loading of RGBA OSD

	image via SDK
Multiple Cards per System	• Support for multiple cards plugged to one system • On-board rotary switch to set card number, with 16 positions from 0 to F • System hardware device tree will display “01: Pro Capture HDMI 4K+” when rotary switch is set to 1, and so on • The video and audio device names displayed in your software will include the card number (set by the rotary switch)
Multiple Capture Streams	• Unlimited capture streams for any one input channel • Independent cropping, aspect ratio, color format, resolution, frame rate, de-interlacing and color adjustment settings for each individual stream
Ultra Low Latency Support	• Latency of 64 video lines • Partial notification mode in SDK
Timestamp &A/V Synchronization	• Hardware based 100ns high resolution clock • Audio frames (192 audio samples) & video frames are stamped with hardware clock • Hardware clock can be synchronized across cards (via SDK)
Video Capture SG-DMA	• ~1600MB/s per channel DMA bandwidth in PCIe 2.x system • ~800MB/s per channel DMA bandwidth in PCIe 1.x system • Support for auto detection of Intel tiled GPU surface • Support for DirectGMA for AMD video adapter chipsets • Support for GPUDirect for Nvidia video adapter chipsets
SDK	• Pro Capture SDK for DirectShow for easy integration (Windows) • Pro Capture SDK for DirectKS for maximum flexibility & performance (Windows)
Windows Driver Tweaks	• All options can be controled by three levels of registry key: global level, product level and device level • Video,Audio, Crossbar filter names can be customized via registry keys
Firmware Upgrade	• Multiple cards in one system can be upgraded

	simultaneously • Cards can be upgraded without a system power shutdown (In most cases, even a reboot is not needed)
LED Indicator	• Status LEDs indicate the working state of each channel: idle, input signal locked, memory failed or FPGA configuration failed.
Form Factor	• Low profile PCIe x4 Add-on Card • 140mm x 68.88mm (without PCI bracket)
Power Consumption	• Max current at 12V: ~ 0.48 A • Max current at 3.3V: ~ 0.82 A • Max power consumption: ~ 8.08 W
Working Environment	• Operating temperature: 0 to 40 deg C • Storage temperature: –20 to 70 deg C • Relative Humidity: 5% to 90% non-condensing

Magewell

Magewell was founded in 2011 as an R&D center and manufacturer of video capture devices. We have been breaking boundaries ever since, expanding our technologies to live streaming, encoding and playout as well as embedded systems for video processing. Our solutions are widely deployed around the world for applications including live streaming, broadcast production, video conferencing, lecture capture, medical imaging, security, machine vision, gaming, virtual reality production and many more.

In addition to empowering end-users, our products are also incorporated into a wide range of third-party solutions on an OEM basis by other industry-leading manufacturers. Our products are available globally through our valued channel partners including distributors, resellers and systems integrators.