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Link do produktu: https://www.wamm.pl/magewell-pro-capture-dual-hdmi-dwukanalowa-karta-pcie-do-przechwytu-hd-p-2177.html



Magewell Pro Capture Dual HDMI | Dwukanałowa karta PCIe do przechwytu HD

Cena brutto	**2 654 zł**
Cena netto	**2 158 zł**
Dostępność	**Zapytaj o dostępność**
Kod producenta	**11080**
Producent	**Magewell**

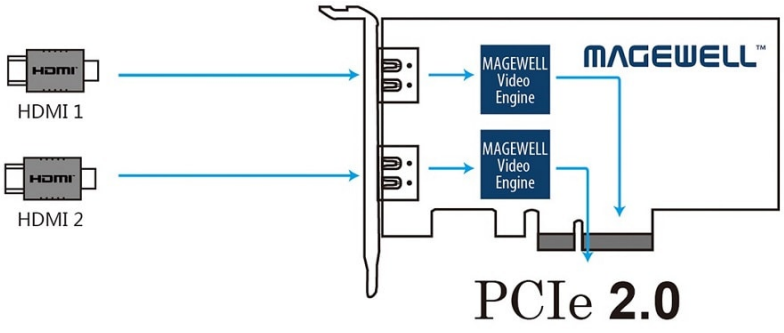
Opis produktu

Magewell Pro Capture Dual HDMI

Dwukanałowa karta PCIe do przechwytu HD

Magewell Pro Capture Dual HDMI to zaawansowana karta PCIe do przechwytu o niskim opóźnieniu, wyposażona w dwa wejścia HDMI. Pozwala na jednoczesne przechwytywanie dwóch sygnałów HDMI (z osadzonym dźwiękiem) o rozdzielczości do 2048×2160 pikseli.

Modele kart z serii Pro Capture automatycznie wykrywają format sygnału wejściowego, zapewniając niezawodne przechwytywanie wideo i dźwięku wysokiej jakości. Wszystkie modele Pro Capture wykorzystują procesowanie wideo oparte na FPGA, które nie obciąża procesora systemowego, zapewniając wysokiej jakości konwersję w górę/dół oraz dostosowania obrazu bez zużywania cennych zasobów procesora hosta.
Kartty Pro Capture obsługują systemy operacyjne Windows, Linux i macOS. Oferują szeroką kompatybilność z popularnym oprogramowaniem do streamingu, produkcji na żywo, wideokonferencji, nagrywania wykładów oraz obrazowania medycznego.
Magewell MWCapture SDK udostępnia zarówno interfejsy ogólne, jak i niestandardowe API na różnych platformach systemowych, pomagając programistom wykorzystać pełne możliwości sprzętu do przechwytywania Magewell.



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 • Linux ◦ V4L2 ◦ ALSA
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	
	• 2x HDMI type A ◦ DVI 1.0 ◦ HDMI 1.4a
Host Interface	

	• PCIe Gen2 x4
Input Features	
	• Support for input video resolutions up to 2048×2160 pixels
HDMI Specific Features	
	• 225MHz HDMI receiver • Adaptive HDMI equalizer support for cables lengths up to 30M • Support for customized EDID • Support for extraction of AVI/Audio/SPD/MS/VS/ACP/IRSC1/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 2048×2160 pixels • Support for capture frame rates up to 144fps. (Actual capture frame rate can be limited by PCIe bandwidth, and at higher image resolutions – above 1280×1024 – by the pixel clock of the on-board video processing hardware. eg. Max frame rate at 1920×1080 = ~80fps.) • 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 ~180Mpixels/s processing bandwidth for each one
	• 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 2048×2160) ◦ 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 AIO" 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	• ~400MB/s per channel DMA bandwidth in PCIe 2.0 system • ~200MB/s per channel DMA bandwidth in PCIe 1.0 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 when it is not in use • Safe upgrade. If power off or system break down occur when the firmware is being upgraded, it will automatically restore to the initial version. This function is only available for firmware version 1.21 and above.
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 • 115.99mm x 68.88mm (without PCI bracket)
Accessories	
	• Low Profile Bracket
Power Consumption	

	• High Performance Firmware
	  ◦ Max current at 12V: ~0.69 A
	  ◦ Max current at 3.3V: ~0.27 A
	  ◦ Max power consumption: ~ 9.09 W
	• Low Power Consumption Firmware
	  ◦ Max current at 12V: ~0.61 A
	  ◦ Max current at 3.3V: ~0.27 A
	  ◦ Max power consumption: ~ 8.13 W

Working Environment	
	• Operating temperature: 0 to 40 deg C • Storage temperature: –20 to 70 deg C • Relative Humidity: 5% to 90% non-condensing