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Link do produktu: https://www.wamm.pl/magewell-pro-capture-dual-dvi-dwukanalowa-karta-pcie-przechwytujaca-hd-p-2202.html



Magewell Pro Capture Dual DVI | Dwukanałowa karta PCIe przechwytująca HD

Cena brutto	**3 389 zł**
Cena netto	**2 755 zł**
Dostępność	**Zapytaj o dostępność**
Kod producenta	**11070**
Producent	**Magewell**

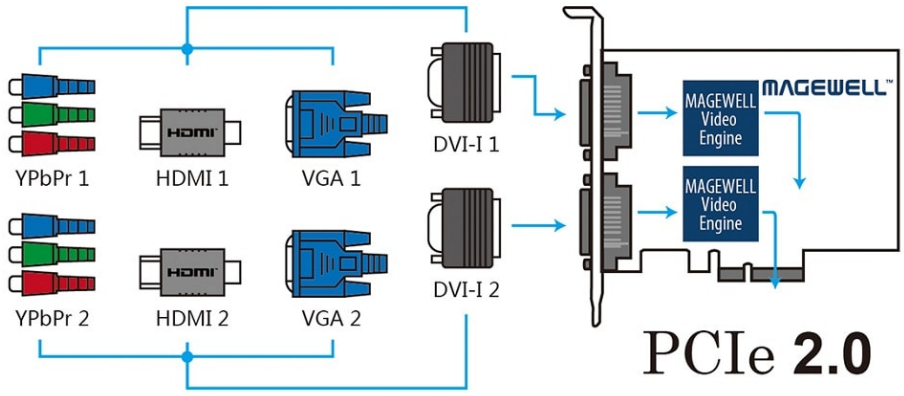
Opis produktu

Magewell Pro Capture Dual DVI

Dwukanałowa karta PCIe przechwytująca HD

Magewell Pro Capture DVI to zaawansowana karta PCIe przechwytująca sygnał HD, oferująca niskie opóźnienia i wysoką wydajność.
Ta dwukanałowa karta PCI przechwytuje sygnał wideo HD z osadzonym dźwiękiem i obsługuje rozdzielczość wejściową do 2048×2160 pikseli.
Pro Capture DVI jest wielofunkcyjna i przechwytuje jedno z poniższych:

- DVI + audio
- VGA + audio
- Component + audio
- HDMI + osadzony dźwięk/audio analogowe



Modele Pro Capture automatycznie wykrywają format sygnału wejściowego, zapewniając niezawodne, wysokiej jakości przechwytywanie wideo i audio dla profesjonalistów wideo, integratorów systemów oraz deweloperów OEM. Ponadto cechują się przetwarzaniem wideo opartym na FPGA Magewell, które nie obciąża procesora, zapewniając wysokiej jakości konwersję w górę/w dół oraz regulacje obrazu bez zużywania cennej mocy obliczeniowej systemu hosta.

Urządzenia Pro Capture obsługują systemy operacyjne Windows, Linux i macOS – w tym architektury x86, x64 oraz ARM – i oferują szeroką kompatybilność z popularnym oprogramowaniem do streamingu, produkcji na żywo, konferencji internetowych, nagrywania wykładów, współpracy oraz obrazowania medycznego. Magewell MWCapture SDK zapewnia zarówno ogólne interfejsy, jak i niestandardowe API na wszystkich platformach systemowych, pomagając deweloperom w

pełni wykorzystać możliwości sprzętu Magewell i osiągnąć niższe opóźnienia, wielostrumieniowe przechwytywanie oraz synchronizację AV w wielokanałowym lub nawet wielokartowym przechwytywaniu.

W zestawie z kartą znajduje się:

- 2 x adapter DVI na VGA
- 2 x kabel breakout DVI-I na HDMI + Component

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 DVI-I
	  ◦ DVI 1.0
	  ◦ HDMI 1.4a (via breakout cable)
	  ◦ VGA (via DVI2VGA connector)
	  ◦ Component (via breakout cable)

Host Interfaces	
	• PCIe Gen2 x4
Input Features	
	• Auto scan of video input sources when there is no signal input to the currently selected input source • Manual selection of video input source • Auto selection of linked (embedded) audio input source when the video input source changes • Manual selection of audio input source • Support for standard crossbar based on video input source selection • Support for input video resolutions up to 2048×2160 pixels
VGA & Component Specific Features	
	• 12-bit ADC • Support for RGB & YCbCr (YUV) color formats • Support for ‘Seperated sync’, ‘Composite sync’, ‘Sync-on-green’ (SOG), ‘Sync-on-luminance’ (SOY) • Support for DMT, CEA, CVT, GTF video timings • Input signals up to 165MHz pixel rate are digitized with 1:1 sampling • Input signals over 165MHz pixel rate can be digitized with horizontal sub-sampling (resulting in some image quality loss – NOT officially supported) • Auto detection of RGB & YCbCr color formats • Auto or manual sampling phase adjustment • Auto horizontal alignment • Support for customized video timings • Support for customized video resolutions for CVT/GTF timings
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	• Normal profile PCIe x4 Add-on Card • 115.9mm x 91.29mm (without PCI bracket)
Accessories	• 2x DVI to VGA connectors • 2x DVI-I to HDMI + Component breakouts
Power Consumption	• Max current at 12V: ~ 0.8 A • Max current at 3.3V: ~ 0.55 A • Max power consumption: ~ 11.4 W
Working Environment	• Operating temperature: 0 to 40 deg C • Storage temperature: –20 to 70 deg C • Relative Humidity: 5% to 90% non-condensing