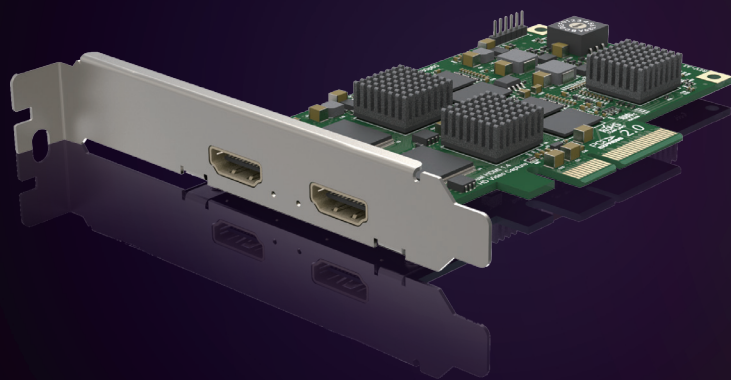


amaze yourself with the SUPERB CAPTURE EXPERIENCE





About Magewell

Founded in 2011, Magewell has quickly emerged as a world-class manufacturer and R&D center of advanced audio and video capture devices, including PCIe video capture cards, USB 3.0 video capture boxes, USB 3.0 video capture dongles, etc. Magewell has built its reputation on a commitment to providing quality products and reliable technical support. With the sole aim of becoming the lead in the industry, it rapidly responds to the needs for high speed of data transmission and clear image.

Magewell is proud to have seen its products become the choice of A/V system integrators, engineers and other professionals for applications in lecture/sports/game/religious events recording, video conferencing, live streaming, medical imaging, IPC, digital signage, video wall display, etc.

Customers can have easy access to Magewell products. Magewell has distributors/re-sellers located in Asia, Europe, Middle East and North America. They are always passionate about serving you. Online purchase is also available.

Contents

Pro Capture™ Family	2
Features	3
HDMI Cards	13
SDI Cards	14
DVI Cards	16
AIO Card	17
4K Cards	17
Mini Cards	20
USB Capture™ Family	21
Features	22
Models	24
USB Capture Plus™ Family	25
Features	26
Models	27
USB Capture™ Boxes	29
Models	30
Legacy Products	32
SDK for Pro Capture Family	37
Compatible Software	41
Accessories	42
Solutions	44

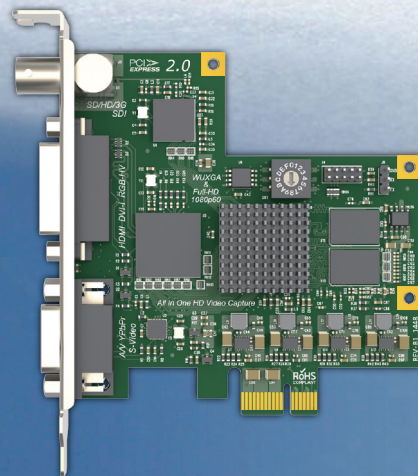
Pro Capture Family - Professional's choice



The Pro Capture Family brings you the best quality, performance and value. The cards are compatible with both Windows® and Linux so more A/V professionals can experience the incredible cards. You can find a model to meet your need, because Pro Capture Family captures all the popular video signals. A FPGA is used for video processing and data transmission, greatly reducing CPU usage. Various features are included to improve the user experience so users can start to capture easily, and the cards maintain stable performance after long periods of use.

Multiple Streaming

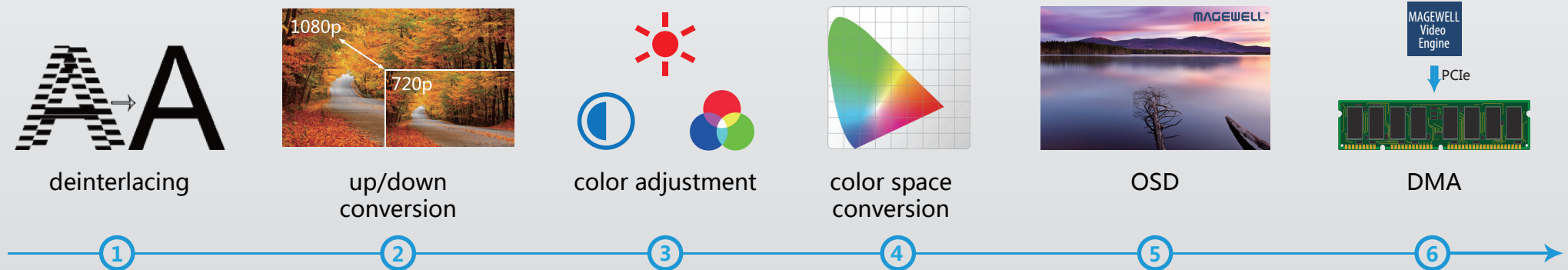
One video source can be sent as multiple streams to different software applications. The resolution, frame rate, deinterlacing mode, color adjustment, etc of each stream can be different. For example, users can live broadcast, record and preview a skiing contest simultaneously using Flash Media Live Encoder, Capture Express and Windows Media Encoder.



Magewell Video Engine

MAGEWELL Video Engine

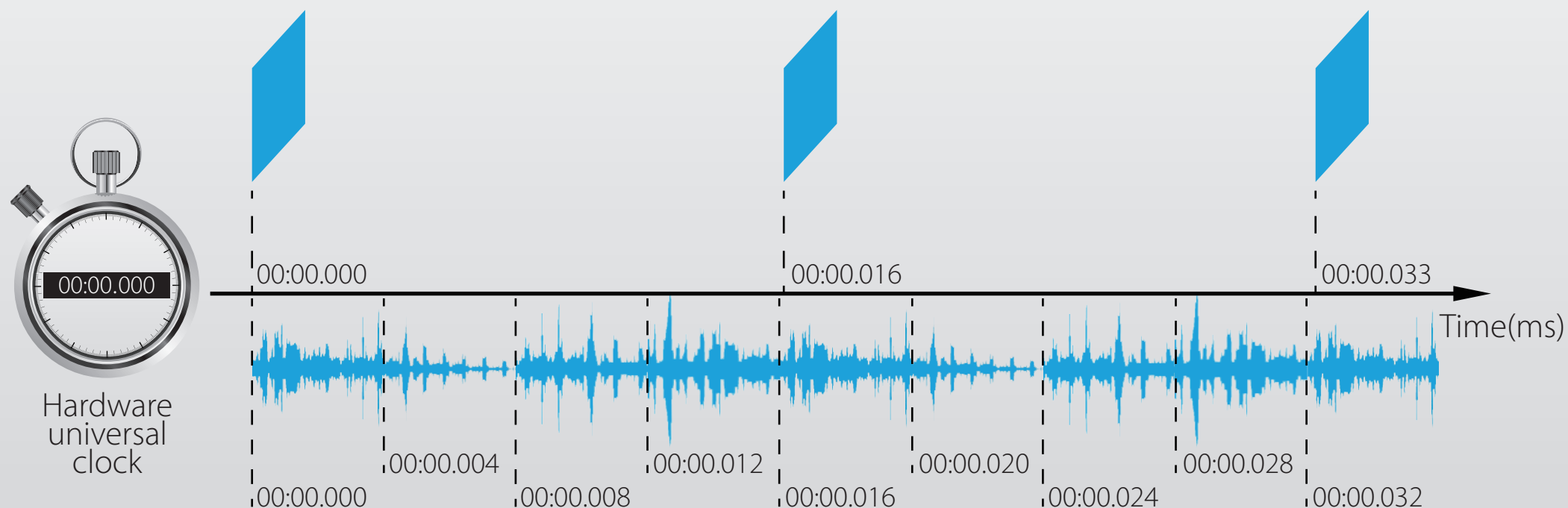
The hardware of Pro Capture Cards and the FPGA-based video engine support 4:4:4 10-bit RGB and YUV. The cards support full range (0-255) and limited range (16-235) in terms of quantization range, so the color of the output is more accurate. Pro Capture Family has various useful video processing functions, such as up/down scaling, aspect ratio conversion, cropping, hue/brightness/contrast/saturation adjustment, deinterlacing, color space conversion, etc. Video Processing is done by onboard hardware so requires ZERO CPU usage.

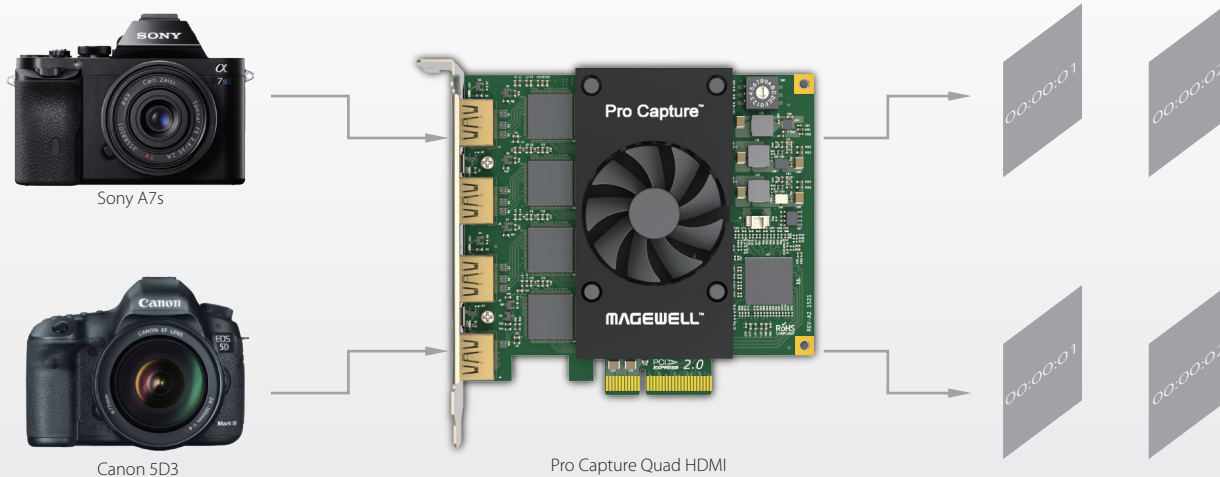


4:4:4 10-bit, YUV or RGB

Hardware Timestamp

The accuracy of Magewell timestamp is within 100 ns. Magewell cards can accurately record the time when every frame of image is transmitted to the card and when it is stored in the on-board memory. The first sampling time of the audio frame is also recorded. Multiple Pro Capture cards that simultaneously capture multiple channels can use a common timestamp, so that all video and audio can be synchronized. Users can synchronize multiple capture channels of audio and video on different systems with the help of a network. This function is especially useful when compositing L and R channel of 3D video, 360 degree video and digital video wall display and recording.





Support Time-code

The cards can analyze the timecode information (hour, minute, second and frame) in HDMI signal output by Sony/Canon DSLRs. The time code format the card can get is HH: MM: SS: FF. This function can be used to synchronize input signals from different DSLRs.

Support OSD of Image, Logo and Caption

Software such as Flash Media Live Encoder and Windows Media Encoder do not have overlay function. With Pro Capture Family, users can save the investment in software but also overlap their logo on the video. If Magewell SDK is used, dynamic video can also be overlaid on the incoming video. All the OSDs are done by hardware, causing 0 CPU usage.



Support Most Video and Audio Standards

Users can capture signals from almost every SDI output device, such as high-end video cameras (HD/3G-A SDI), switchers (3G-B SDI) and movie cameras (2K SDI). With the help of the Pro Capture Family, you will no longer find capturing non-standard signals to be a problem. Users can type in the resolution of non standard VGA to correctly capture the video. Manual adjustment of VGA timing is also possible. In terms of audio, both compressed and uncompressed formats are supported.



2K SDI



3G-B SDI



HD SDI



HDMI



VGA



CVBS



Component

Support 3D HDMI

Pro Capture cards can capture 3 formats of 3D HDMI, including frame packed, top-and-bottom and side-by-side.



Frame packed

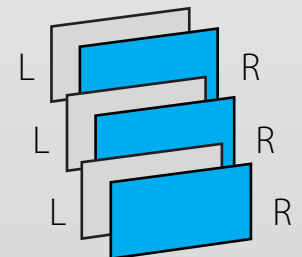
Top-and-bottom

Side-by-side



3D player

1 2
4 3

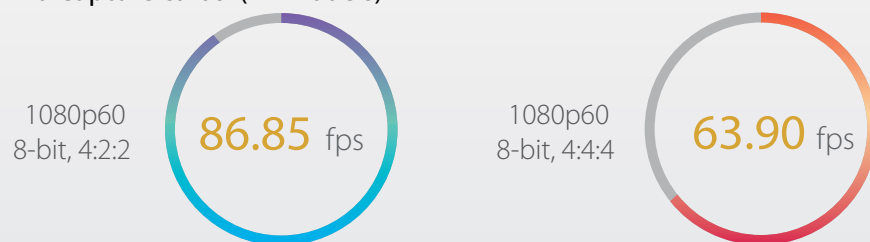


3D glasses

Measured Frame Rate

To prove the excellent performance, Magewell has conducted a series tests to measure the real frame rate when different signals are being captured by different cards.

• Pro Capture cards (2K models)



• Pro Capture 4K cards

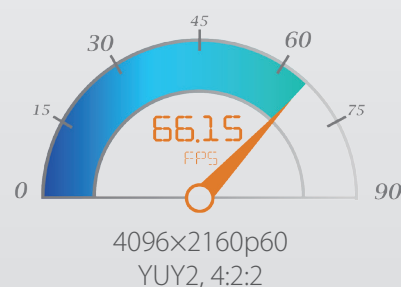
(Pro Capture AIO 4K Plus & Pro Capture HDMI 4K Plus only)

HDMI 2.0

4:2:0, 4:2:2, 4:4:2, 4:4:4
8-bit, 10-bit, 12-bit

6G SDI

2160p30,
5.94 Gb/s

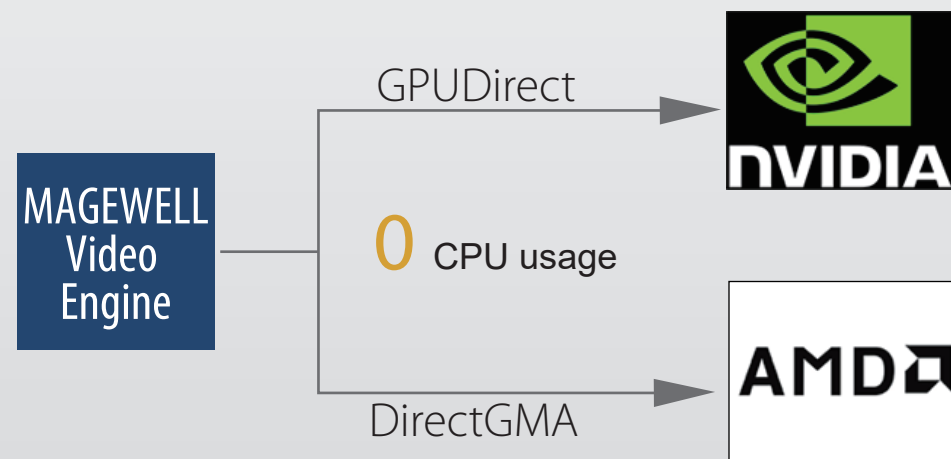


Pro Capture AIO 4K Plus and Pro Capture HDMI 4K Plus can capture games at 1440p60 or 1080p144, achieving pixel accuracy. Pro Capture HDMI 4K can capture at 1080p120.



DMA Transmission Mode

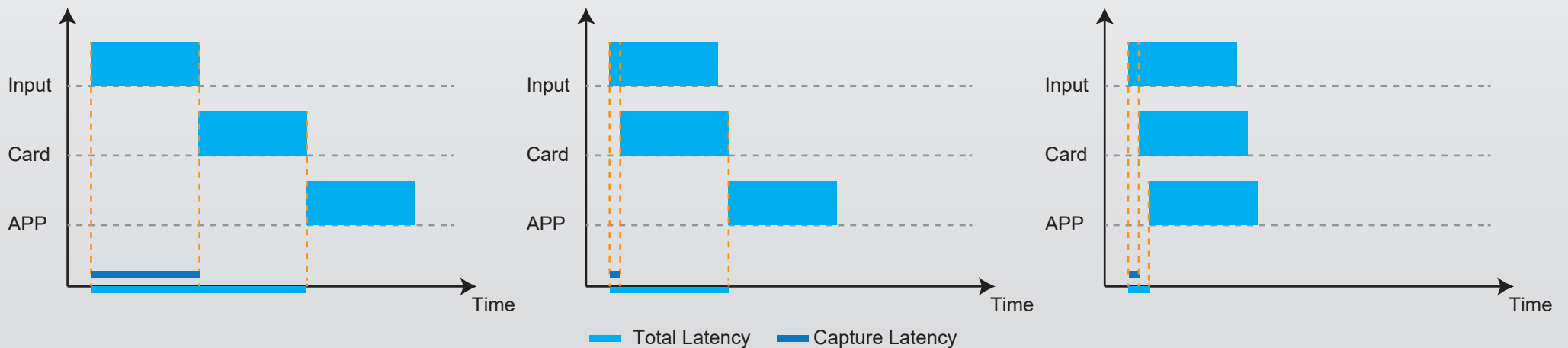
Pro Capture cards support NVIDIA GPUDirect and AMD DirectGMA technology. Captured data will be directly transferred from the Magewell video engine to the graphics memory. This process is done solely by the FPGA and GPU; the CPU is not involved.



Low-latency Mode

In low-latency mode, the cards start to process video before data transmission is fully finished. If SDK is used, user's application can also use the partial completion notification function to process partially transferred video lines before the whole frame is transferred.

This function further reduces the total latency to about 64 video lines. In reality, the capture latency of 1080p60 RGB and YUY2 can be lower than 1 ms. Pro Capture Family is definitely a smart choice for professionals in video conference and live streaming industries.



Normal Mode

Capture latency of 1080p60 YUY2 is about 12 ms.

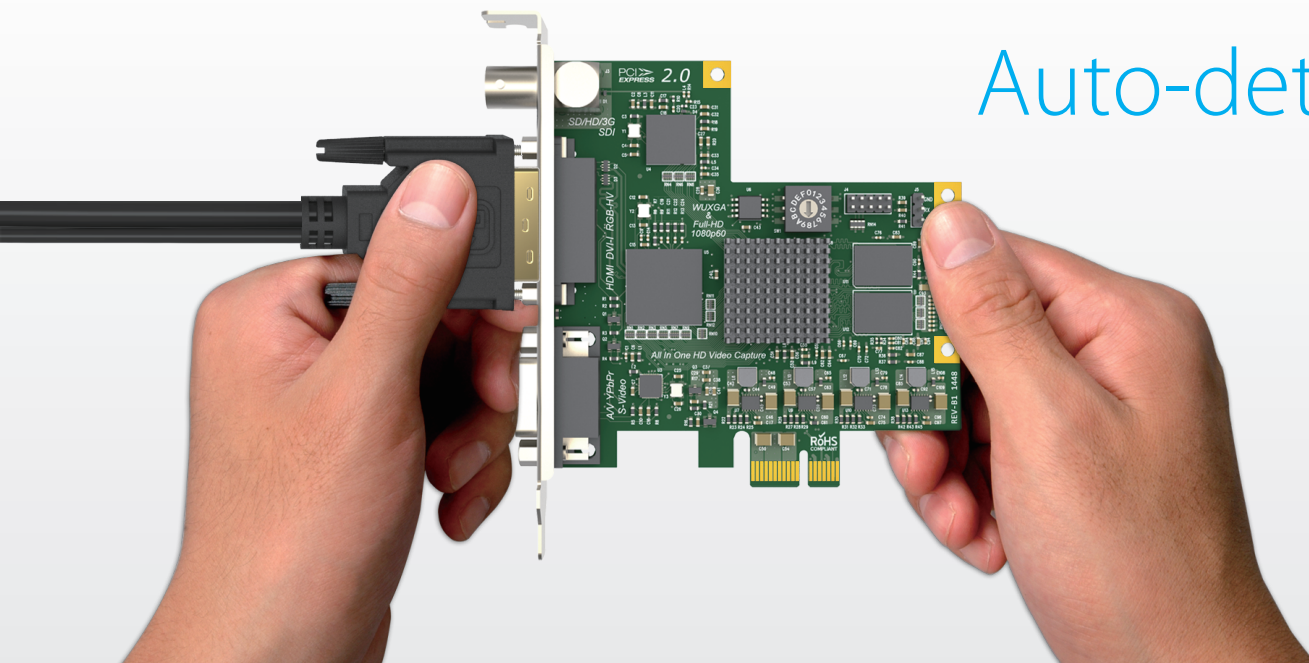
Low-latency Mode

APP doesn't need to be modified to use this function. Capture latency of 1080p60 YUY2 is only about 1 ms.

Low-latency Mode & Partial Completion Notification

App needs to be optimized to process partially transferred video lines, so the total latency is further reduced

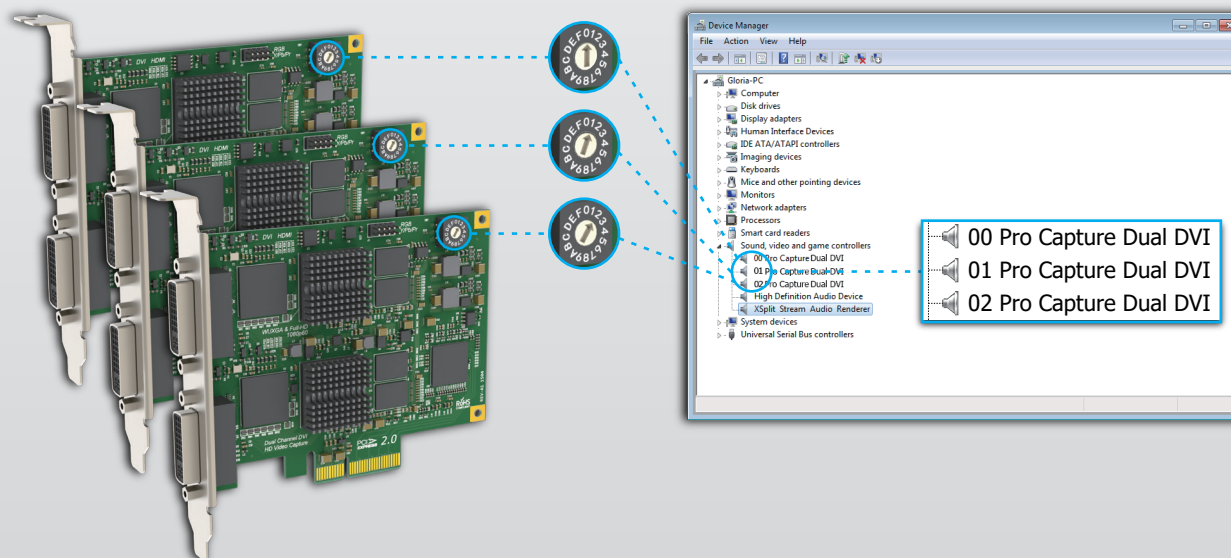
Auto-detection of Input Signal



When users plug in the cable, the card will automatically detect the input signal and link the audio input with the video input. The signal format is also analyzed so that users do not need to manually choose the video and audio to capture, nor select the resolution, frame rate, etc.

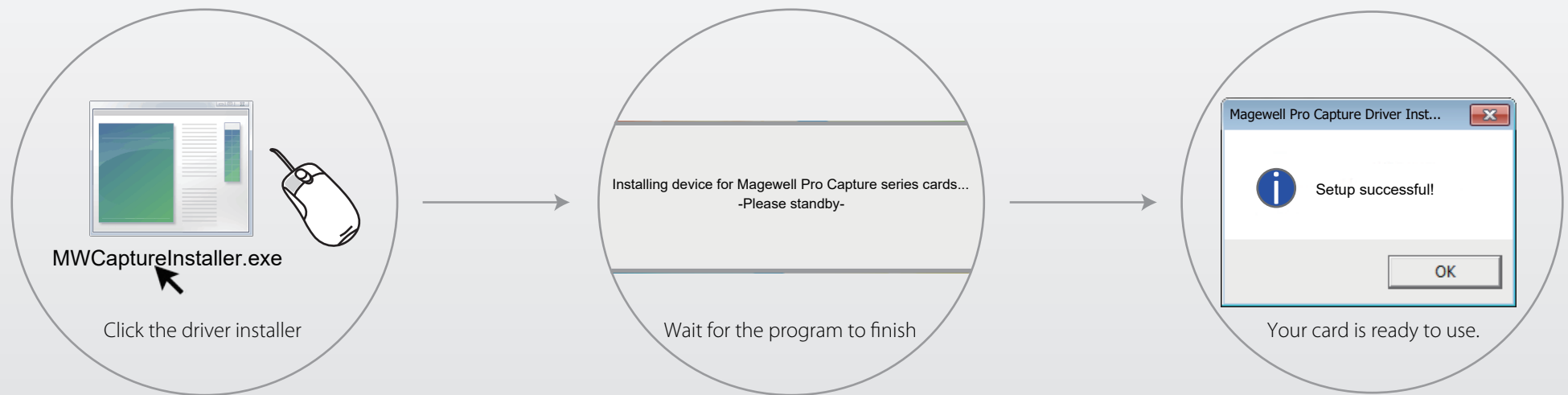
Multiple Cards on One Computer

Multiple Magewell cards can be mounted in the same computer and work simultaneously. Users can set the ID number on a rotary switch on each card. The number will appear as part of the card name in Device Manager and video capture software. This function is useful when multiple cards of the same model are installed and the user wants to locate a certain card quickly.



Universal Driver

A universal driver is provided for all the cards in the Pro Capture Family so users do not need to find the driver for each card. This is very convenient and avoids installing the wrong driver. Driver installation is automatic.



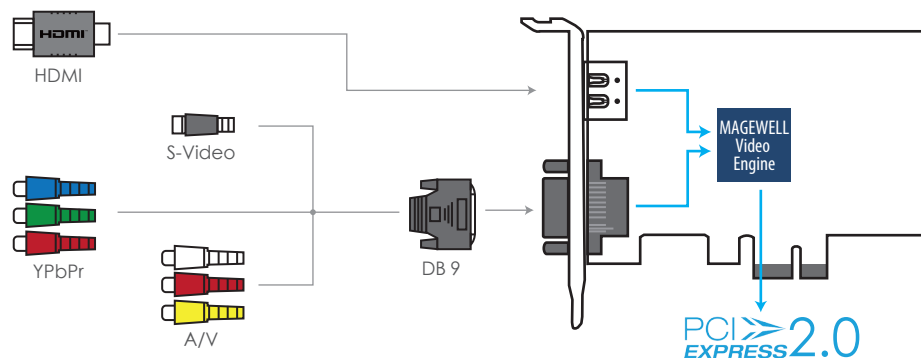
Firmware Upgrade

The firmware of the Pro Capture Family can be upgraded. The benefit is that users can improve the performance of the cards or easily add functionality without changing the hardware. The firmware upgrade program handles all cards in the Pro Capture Family. Just one click and the program will inform you which one (s) need upgrading and automatically do the work for you. Support safe upgrade. If power is off or the system breaks down when the firmware is being upgraded, it will automatically restore to the initial version.

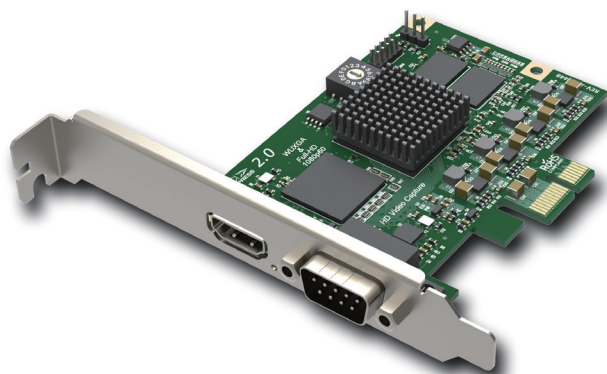
The screenshot shows the "Magewell Firmware Upgrade Utility" window. The title bar indicates "4 devices, 1 needs upgrade". The window contains a table with the following data:

Name	Drive Ver	Hardware Ver	Firmware Ver	New Firmware Ver	Status
01-0 Pro Capture Dual HDMI	1.2.2700	A	1.21	1.22	Erasing...28%
01-1 Pro Capture Dual HDMI	1.2.2700	A	1.21	1.22	Erasing...28%
02-0 Pro Capture Dual SDI	1.2.2700	A	1.22	1.22	Needn't upgrade

Pro Capture HDMI



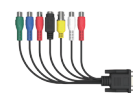
P/N: 11040



Low Profile

2K60

3D HDMI



P/N: 90020



P/N: 91210

Capture 1 HDMI/S-Video/YPbPr/CVBS and 1 unbalanced stereo audio

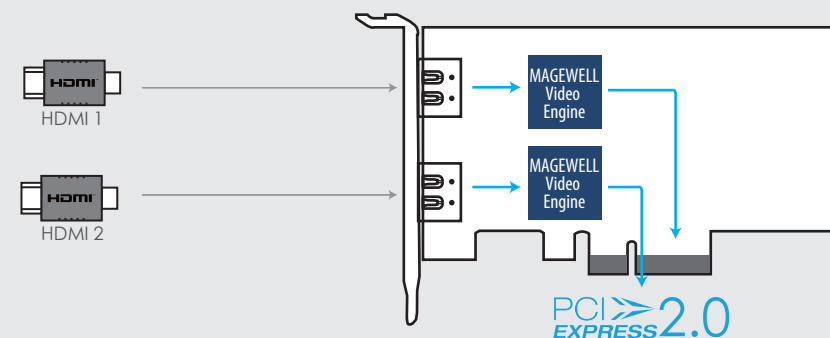
Host Interface PCIe 2.0 x1

Input Interface 1 HDMI; 1 DB 9

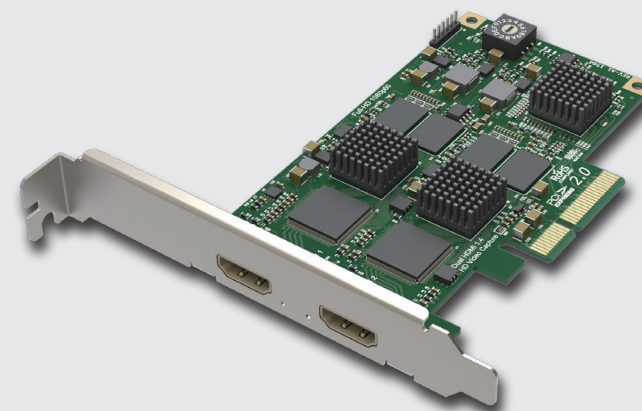
Size 99.80mm x 68.90mm



Pro Capture Dual HDMI



P/N: 11080



Low Profile

2K60

3D HDMI



P/N: 91091

Simultaneously capture 2 HDMI signal

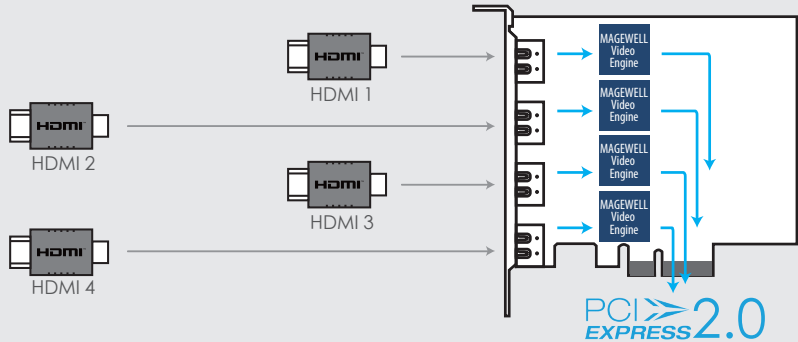
Host Interface PCIe 2.0 x4

Input Interface 2 HDMI

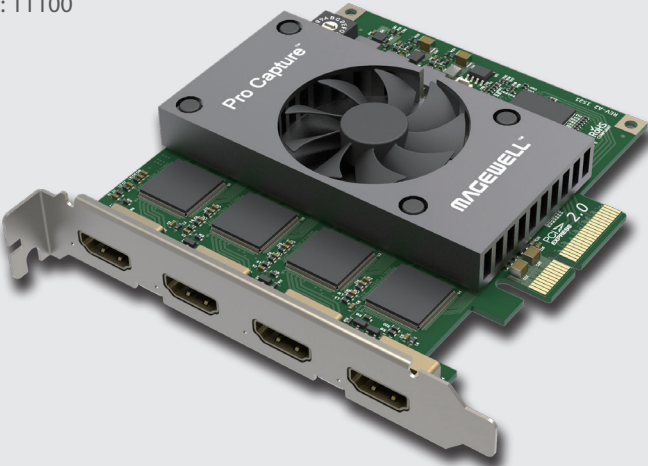
Size 117.70mm x 68.90mm



Pro Capture Quad HDMI



P/N: 11100

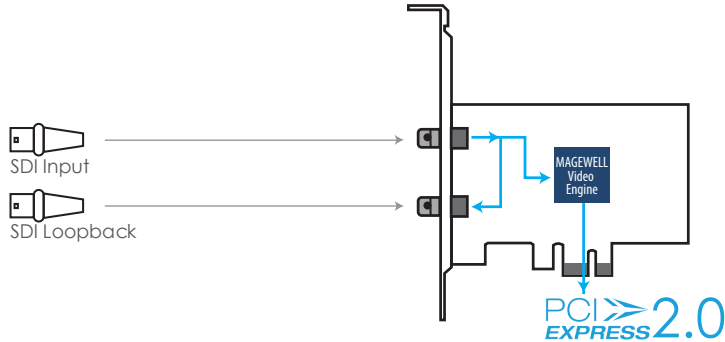


2K60
3D HDMI

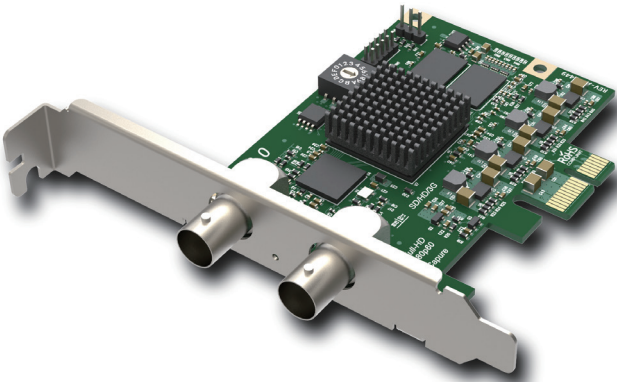
Simultaneously capture 4 HDMI signals
Host Interface PCIe 2.0 x4
Input Interface 4 HDMI
Size 112.15mm x 102.92mm



Pro Capture SDI



P/N: 11050



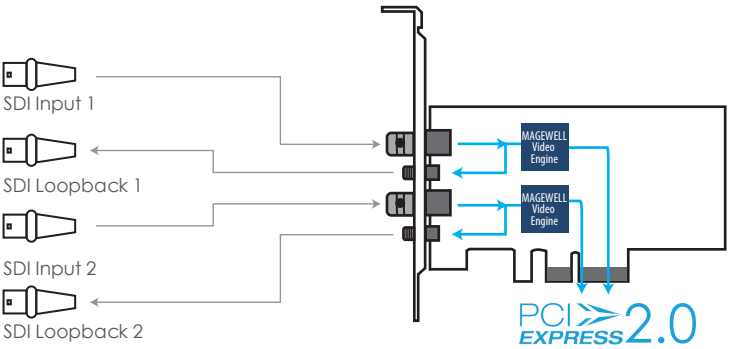
Low Profile
2K60

P/N: 91171

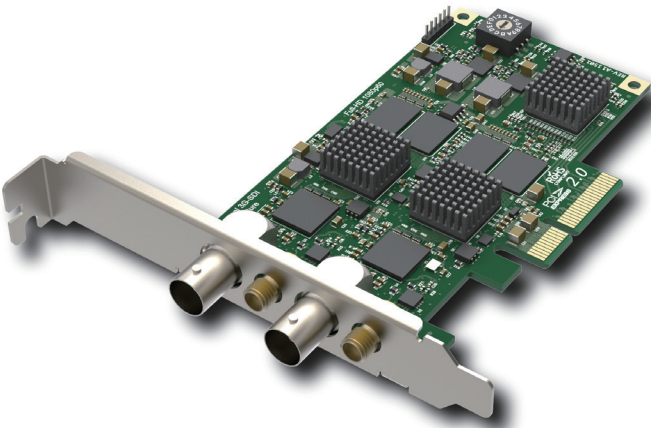
Capture 1 SD/HD/3G-SDI signal, including 1 loopback
Host Interface PCIe 2.0 x1
Input Interface 1 BNC
Loopback Interface 1 BNC for loopback
Size 101.20mm x 68.90mm



Pro Capture Dual SDI



P/N: 11060



Low Profile
2K60

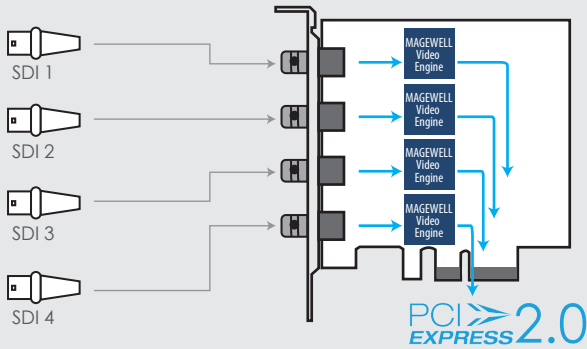
x 2
P/N: 90051
P/N: 91181

Simultaneously capture 2 SD/HD/3G-SDI signals, including 1 loopback for each input

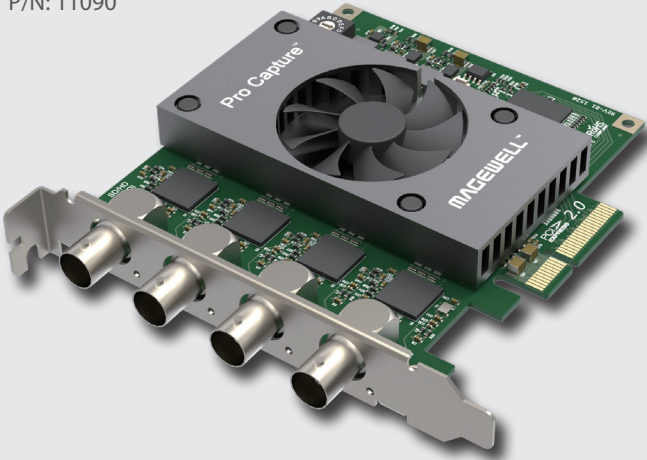
Host Interface	PCIe 2.0 x4
Input Interface	2 BNC
Loopback Interface	2 SMA for loopback
Size	128.70mm x 68.90mm



Pro Capture Quad SDI



P/N: 11090



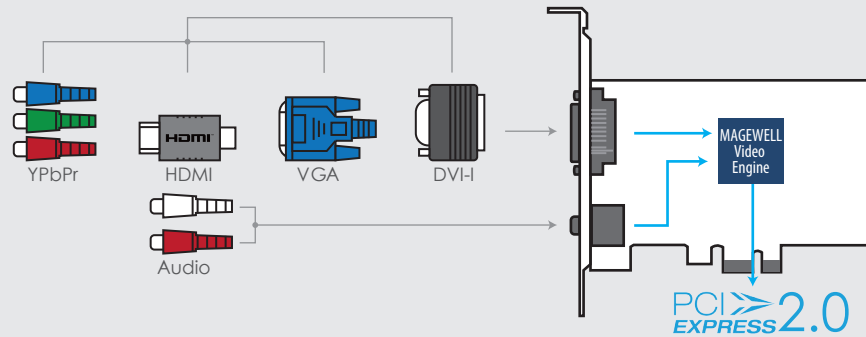
2K60

Simultaneously capture 4 SD/HD/3G-SDI signals

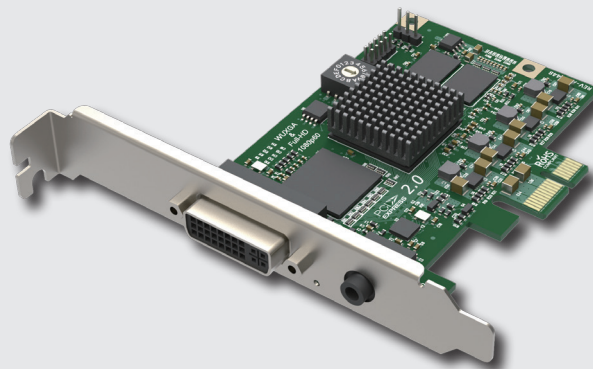
Host Interface	PCIe 2.0 x4
Input Interface	4 BNC
Size	100.15mm x 102.92mm



Pro Capture DVI



P/N: 11030



Low Profile
2K60



P/N: 90010



P/N: 90011



P/N: 91201

Capture 1 HD (DVI/VGA/HDMI/YPbPr) signal and 1 analog audio

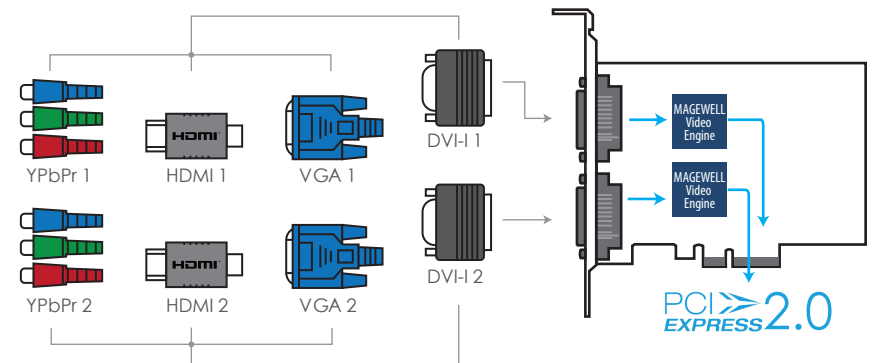
Host Interface PCIe 2.0 x1

Input Interface 1 DVI-I; 1 3.5 mm audio jack

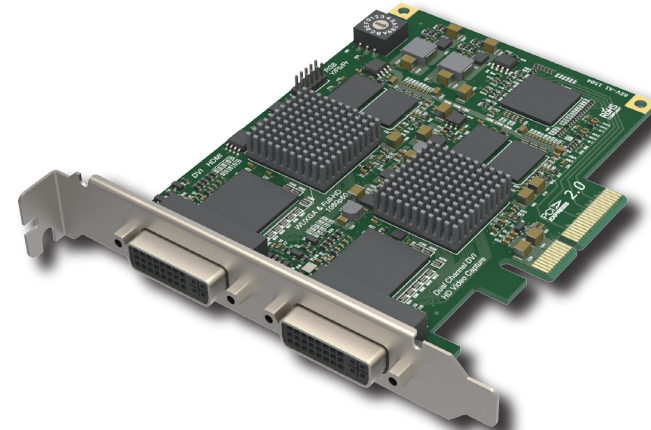
Size 100.30mm x 68.90mm



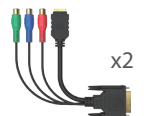
Pro Capture Dual DVI



P/N: 11070



2K60



P/N: 90010



P/N: 90011

Simultaneously capture 2 HD (DVI/VGA/HDMI/YPbPr) signals

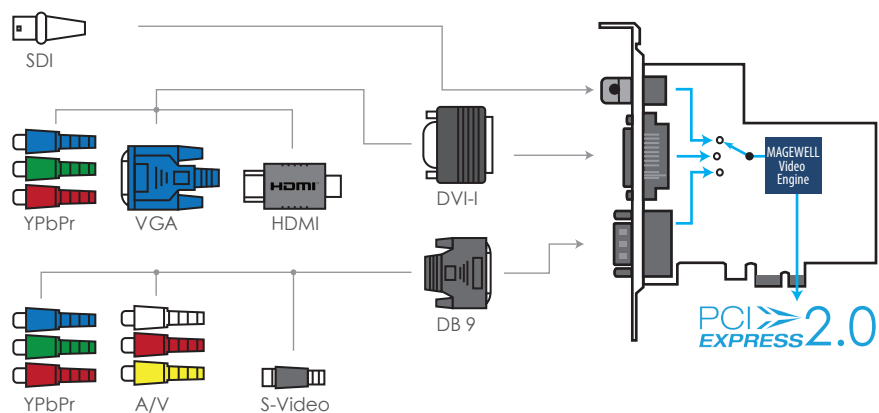
Host Interface PCIe 2.0 x4

Input Interface 2 DVI-I

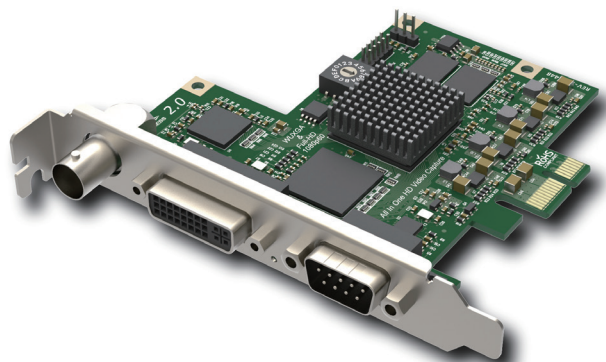
Size 123.50mm x 91.30mm



Pro Capture AIO



P/N: 11020



2K60



P/N: 90010



P/N: 90011



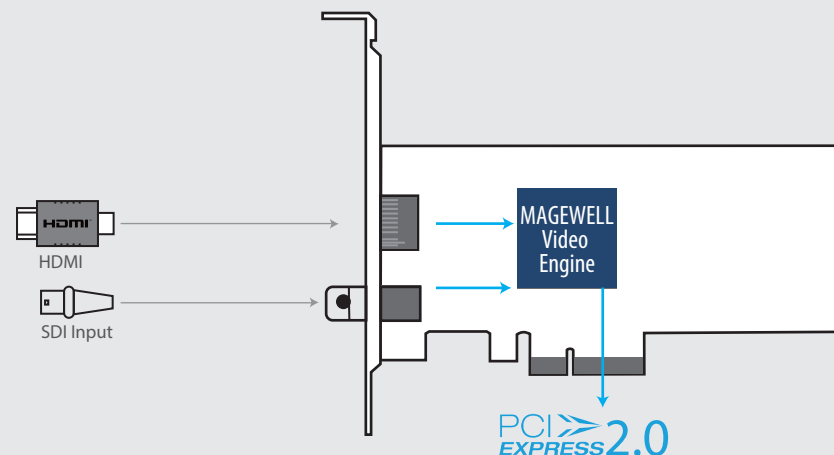
P/N: 90020

Capture 1 SDI/HDMI/DVI/VGA/YPbPr/S-Video/CVBS and 1 unbalanced stereo audio

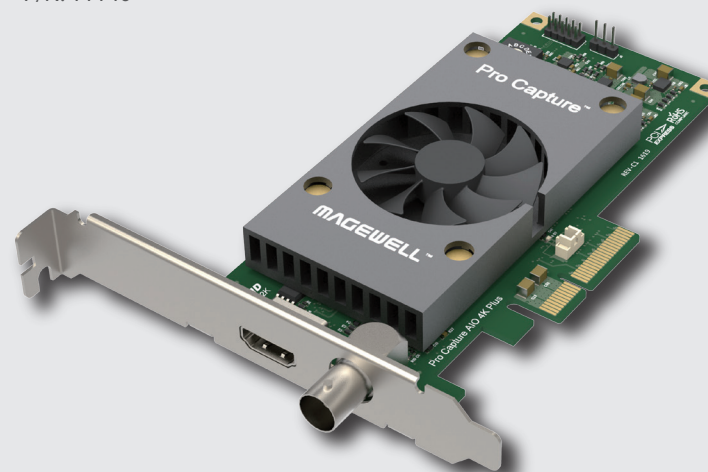
Host Interface PCIe 2.0 x1
 Input Interface 1 BNC; 1 DVI-I; 1 DB9
 Size 106.30mm x 96.20mm



Pro Capture AIO 4K



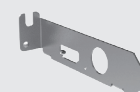
P/N: 11140



Low Profile

4K60

3D HDMI



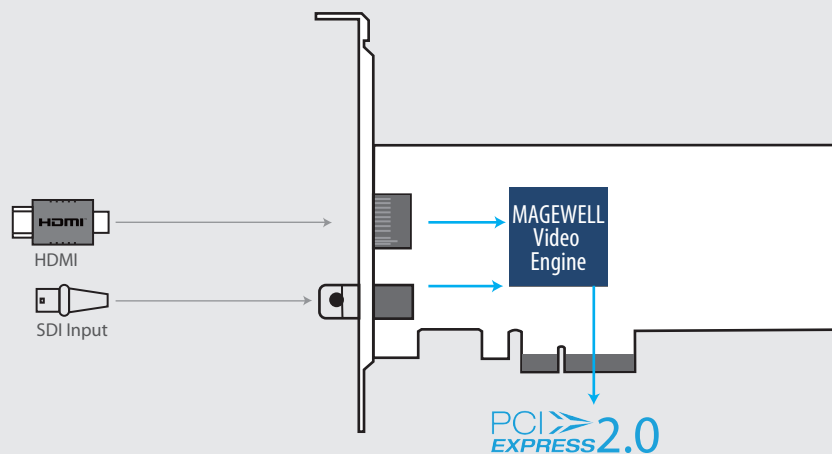
P/N: 91231

Capture 1 HDMI/SDI signal

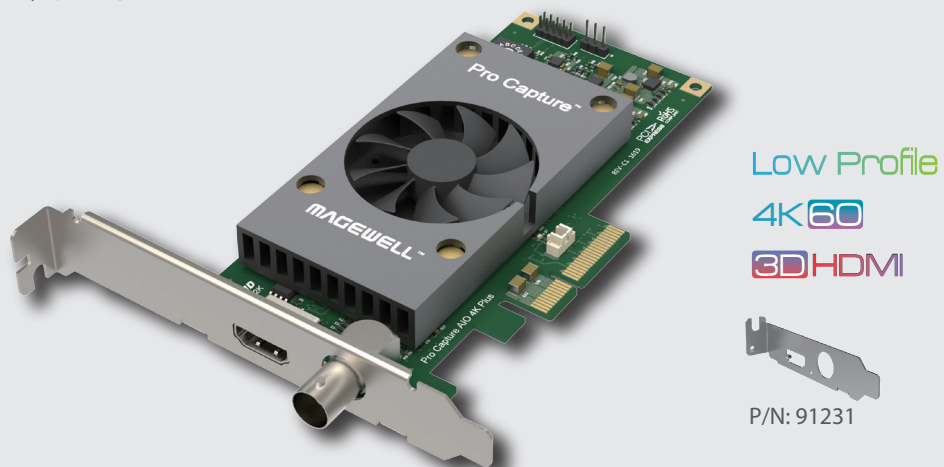
Host Interface PCIe 2.0 x4
 Input Interface 1 HDMI; 1 BNC
 Size 139.70mm x 68.88mm



Pro Capture AIO 4K Plus



P/N: 11140

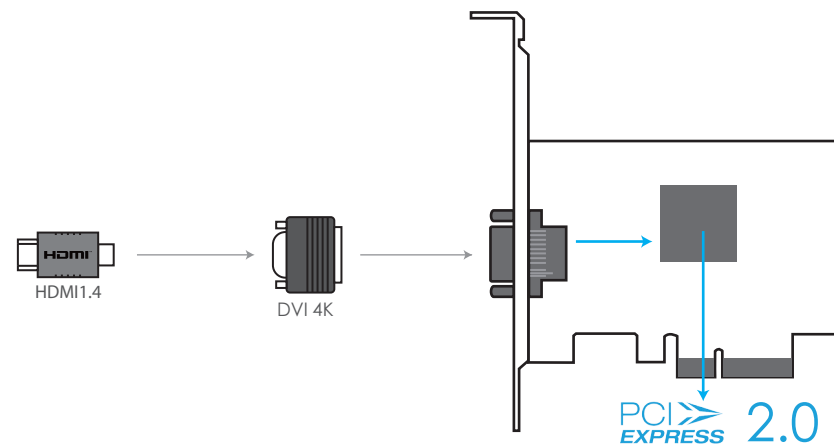


Capture 1 HDMI/SDI signal

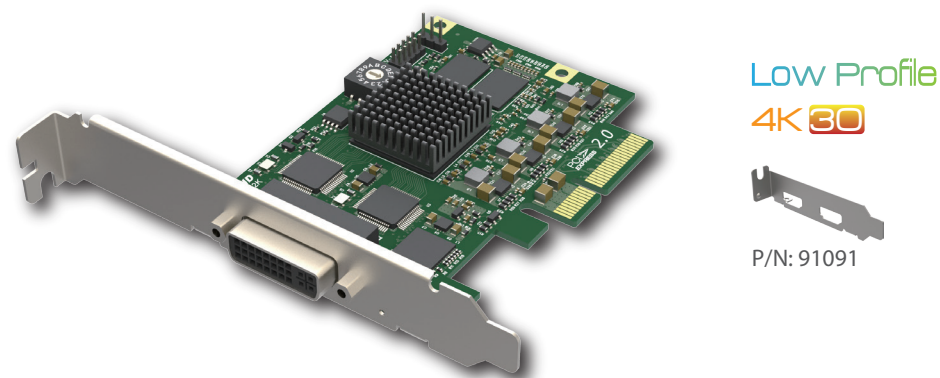
Host Interface PCIe 2.0 x4
Input Interface 1 HDMI; 1 BNC
Size 139.70mm x 68.88mm



Pro Capture DVI 4K



P/N: 11160

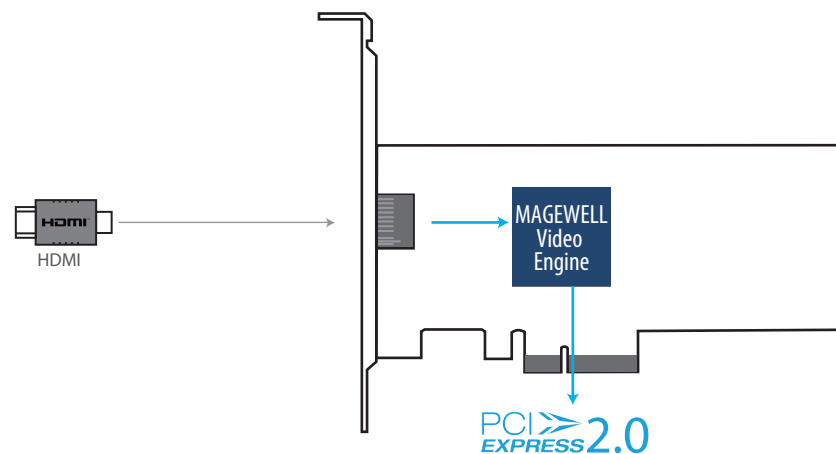


Capture 1 HDMI/SDI signal

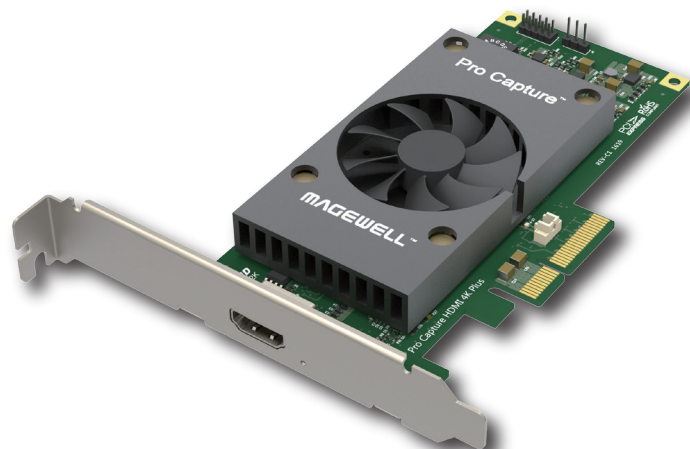
Host Interface PCIe 2.0 x4
Input Interface 1 HDMI; 1 BNC
Size 139.70mm x 68.88mm



Pro Capture HDMI 4K



P/N: 11120



Low Profile
4K60
3D HDMI



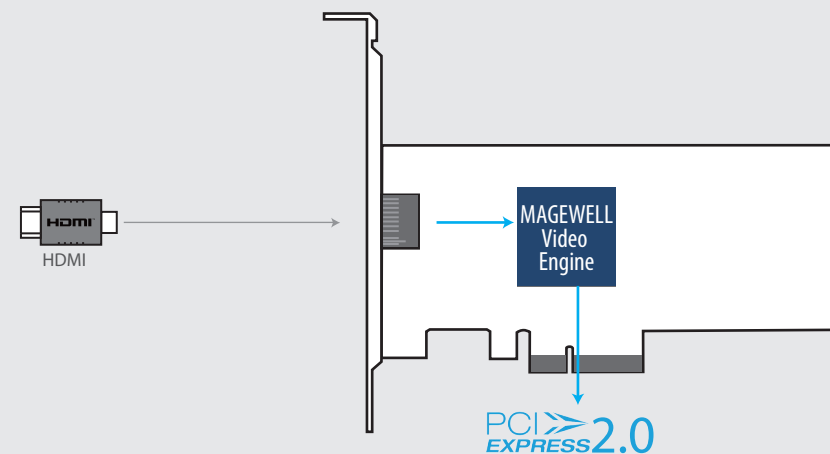
P/N: 91241

Capture 1 HDMI signal

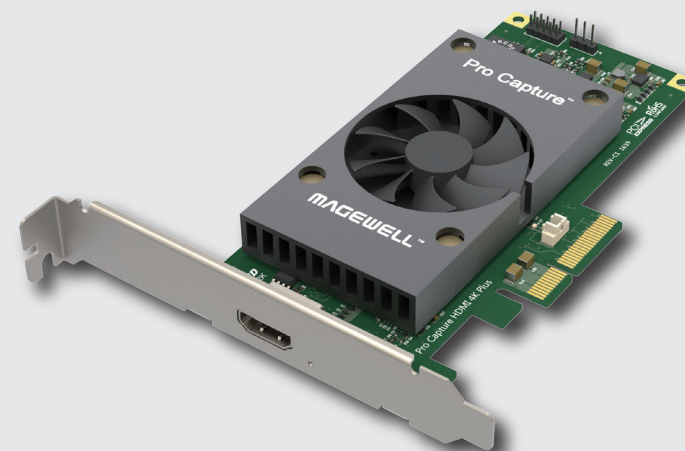
Host Interface PCIe 2.0 x4
Input Interface 1 HDMI
Size 139.70mm x 68.88mm



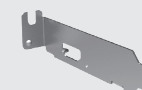
Pro Capture HDMI 4K Plus



P/N: 11150



Low Profile
4K60
3D HDMI



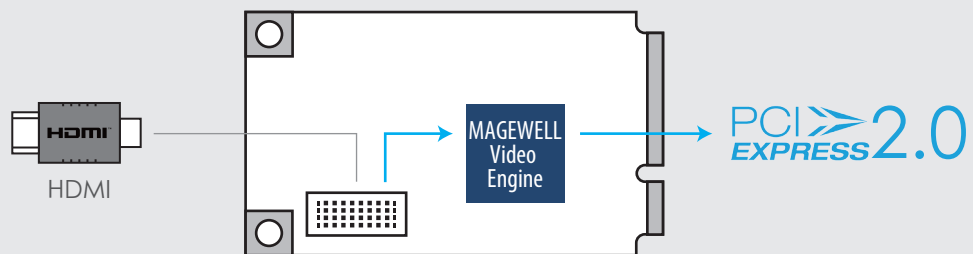
P/N: 91241

Capture 1 HDMI signal

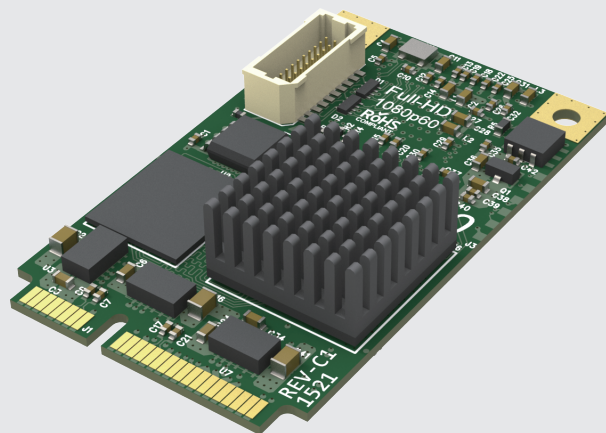
Host Interface PCIe 2.0 x4
Input Interface 1 HDMI
Size 139.70mm x 68.88mm



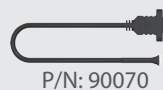
Pro Capture Mini HDMI



P/N: 11110



2K60
3D HDMI



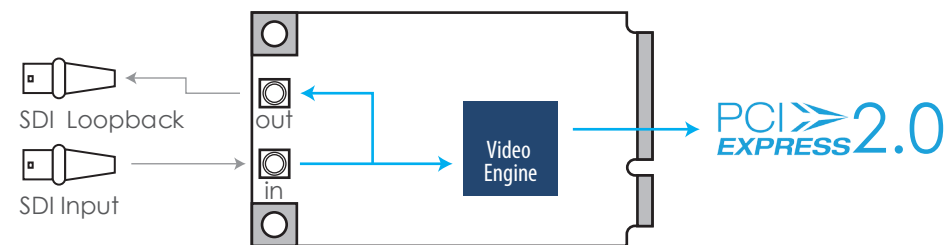
P/N: 90070

Capture 1 HDMI

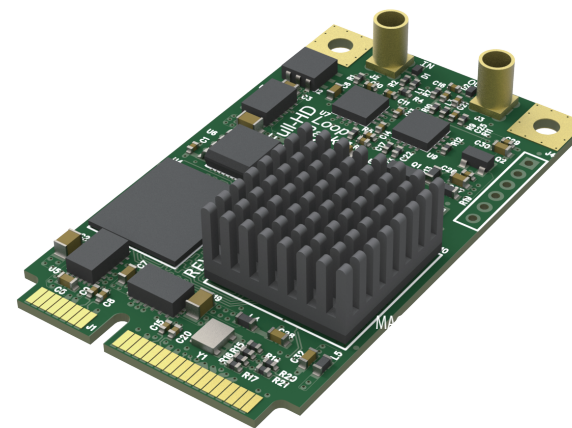
Host Interface Mini PCIe 2.0
Input Interface 1 SHD
Size 50.95mm x 30.00mm



Pro Capture Mini SDI



P/N: 11130



2K60



P/N: 90052

Capture 1 SD/HD/3G-SDI signal, including 1 loopback

Host Interface Mini PCIe 2.0
Input Interface 1 MMCX
Loopback Interface 1 MMCX
Size 50.95mm x 30.00mm



USB Capture Family



With a ruggedized metal housing, the capture dongle is suitable for all kinds of mobile video capturing settings and even for outdoors. The housing is more than pleasant to the eye, which also helps to cool the chip effectively. The dongle captures one channel of 1080p60 video, which can be either HDMI or SDI, depending on the model. USB Capture Family features incredibly good user experience because it is so easy to use and many functions are automatic.



Easy to Use

- Users don't need to install drivers on Windows®, Linux, or Mac OS X. Simply plug it in and driver will be automatically installed. The dongles are really plug-and-play and driverless.
- The dongles automatically determine the input video format and automatically convert it to the specified output size and frame rate.
- Automatically determine the input audio format and automatically convert it to 48 KHz PCM stereo audio.

Incredible Compatibility

USB 3.0 interface is used and it is also compatible with USB 2.0. Users can connect the dongle with the host via USB 2.0 as well, but the transmission rate will be limited.

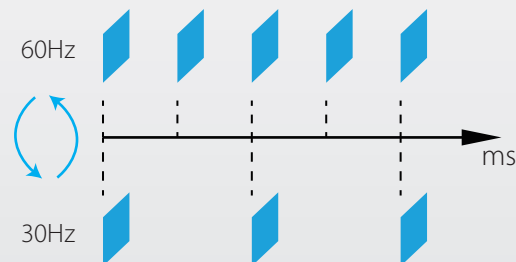
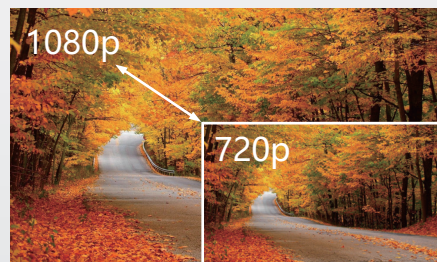
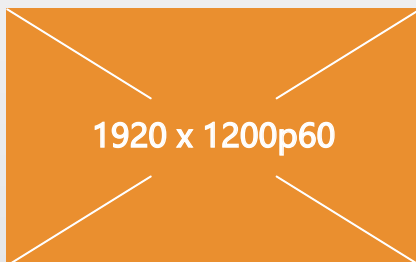
They are compatible with various software with DirectShow architecture. To name a few, xSplit, Streamstar, Vidblaster, VideoStitch, vMix, wirecast, Flash Media Live Encoder, etc.

The dongles run stably on the three major systems, including Windows® (7, 8, 8.1, 10), Linux (kernel version 2.6.38 and above), Mac OS X (10.8 and above).



Excellent Video Processing

- Support up to 1920 x 1200p 60Hz (HDMI) and 1920 x 1080p 60Hz (SDI) video input.
- Video output supports up to 1920 x 1200p 60 Hz.
- Video and audio processing is done by the dongle and will not occupy CPU. The processing includes up/down scaling of video resolution, frame rate and audio sampling rate.
- Support brightness, contrast, hue, saturation, and other image adjustment functions.
- Support output format: 4:4:4, 4:2:2, YUY2, RGB 24, 8 Bit.



Reliable and Stable

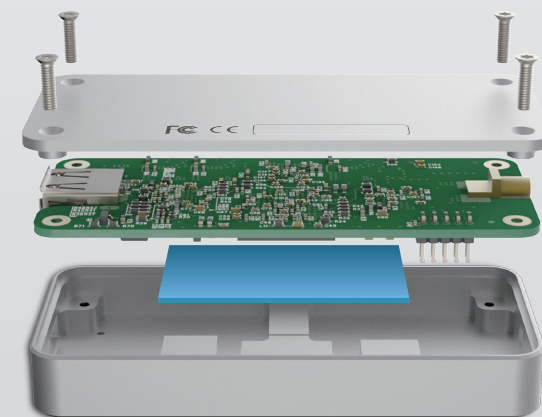
High quality chips and other components are used to ensure accurate video capture. The dongles pass through 7 x 24h continuous high load tests in high and low temperatures (0-50 degrees).

The USB 3.0 port of the dongle has a better grip than Micro USB 3.0 port, so it will not easily come loose after being used for a long time.

The internal structure of the metal housing is specially designed to help to cool the chip effectively.

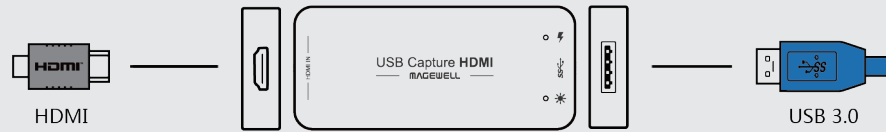


USB 3.0 Port with a Firm Grip



Special Structure to Cool the Chip

USB Capture HDMI



P/N: 32011



Capture 1 HDMI signal

Host Interface USB 3.0
Input Interface 1 HDMI
Size 92.20mm x 40.20mm x 12.30mm (L/W/H)



USB Capture SDI



P/N: 32021



Capture 1 SD/HD/3G-SDI signal

Host Interface USB 3.0
Input Interface 1 MCX (can convert to BNC)
Size 92.20mm x 40.20mm x 12.30mm (L/W/H)



USB Capture Plus Family

USB Capture HDMI Plus

With a HDMI 1.4 interface, it can capture signal from PS4, Xbox One, graphics cards, HD cameras (professional/ sports/ surveillance/ video conference) and other devices. Max input resolution and frame rate is 4960 x2160p60.

USB Capture SDI Plus

It captures SD/ HD /3G-A /3G-B signals from a wide range of devices including HD cameras (professional /surveillance /video conference), video switchers and so on. Max input resolution and frame rate is 1920 x1080p60.

USB Capture DVI Plus

It captures SD/ HD /3G-A /3G-B signals from a wide range of devices including HD cameras (professional /surveillance /video conference), video switchers and so on. Max input resolution and frame rate is 1920 x1080p60.

Video conferencing



Live streaming of sports



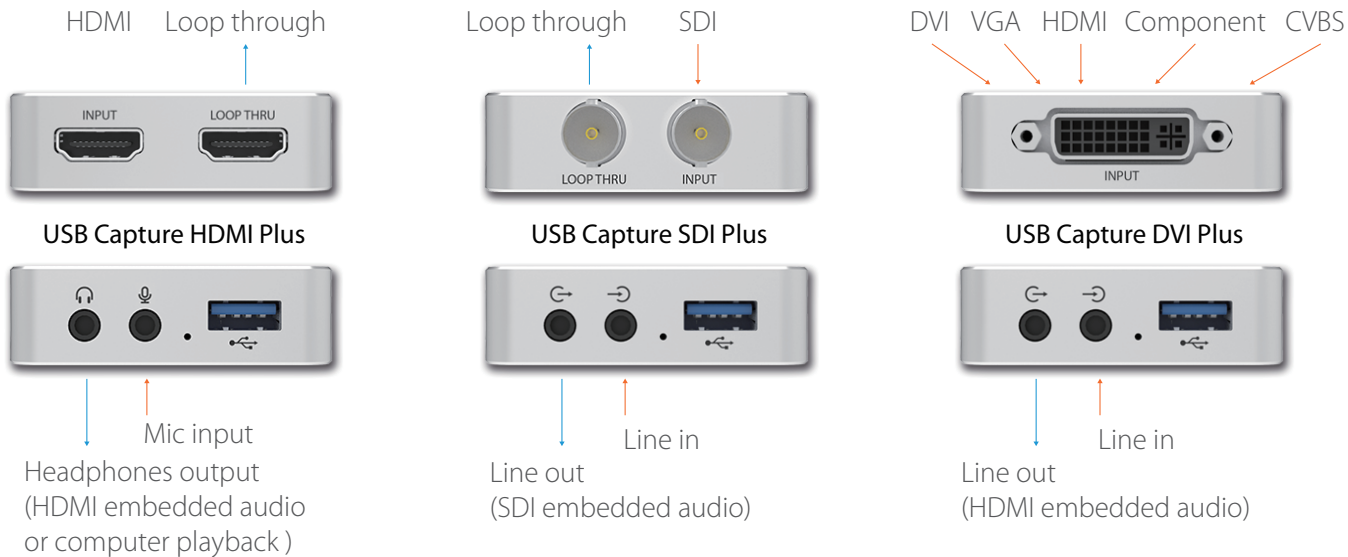
Game Broadcasting



360-degree video stitching



Interfaces and Typical Solutions



USB Capture HDMI Plus and USB Capture SDI Plus have an input interface as well as a loop through one, which enable monitoring the image while streaming/recording. Different audio input and output functions have also been added to the devices.

Amazing Compatibility

The dongles use USB 3.0 interface and no external power is needed. It also support USB 2.0 port, but the real-time frame rate will be reduced due to limited bandwidth.

The device is compatible with most popular professional third party software for streaming, recording, video conferencing, video stitching, VJ, etc.

The USB Capture Plus Family is compatible with Windows, Linux, OS X/macOS and Chrome OS.



USB 2.0



USB 3.0



Windows



Linux

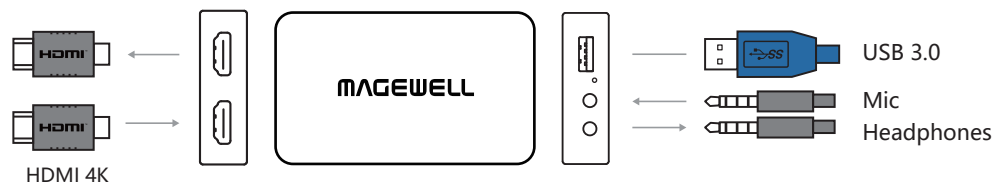


Mac OS X



Chrome OS

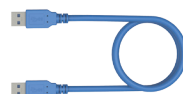
USB Capture HDMI Plus



P/N: 32040



1200p60



P/N: 90062

Capture 1 HDMI signal

Host Interface USB 3.0
 Input Interface 1 HDMI
 Loop-through Interface 1 HDMI
 Size 98.10mm x 56.80mm x 17.00mm (L/W/H)



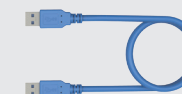
USB Capture SDI Plus



P/N: 32050



1080p60



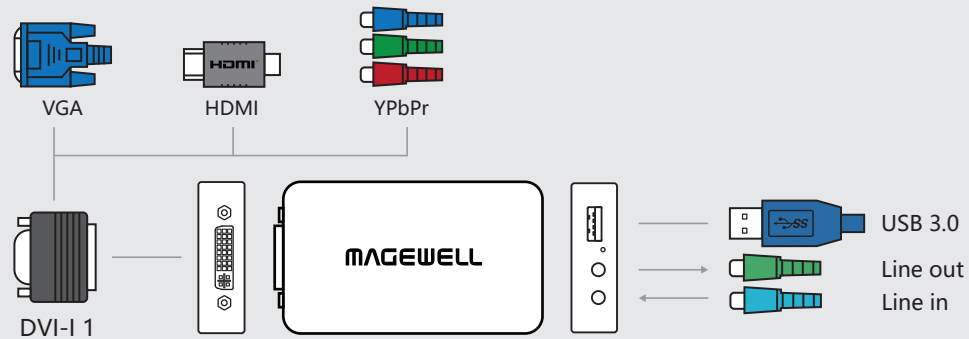
P/N: 90062

Capture 1 SD/HD/3G/2K SDI signal

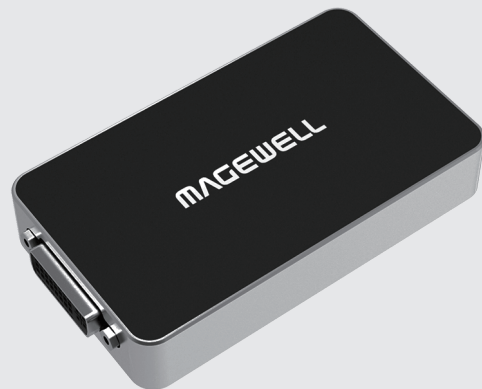
Host Interface USB 3.0
 Input Interface 1 BNC
 Loop-through Interface 1 BNC
 Size 110.70mm x 56.80mm x 17.00mm (L/W/H)



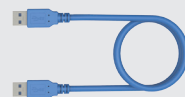
USB Capture DVI Plus



P/N: 32080



1200p60



P/N: 90062



P/N: 90010



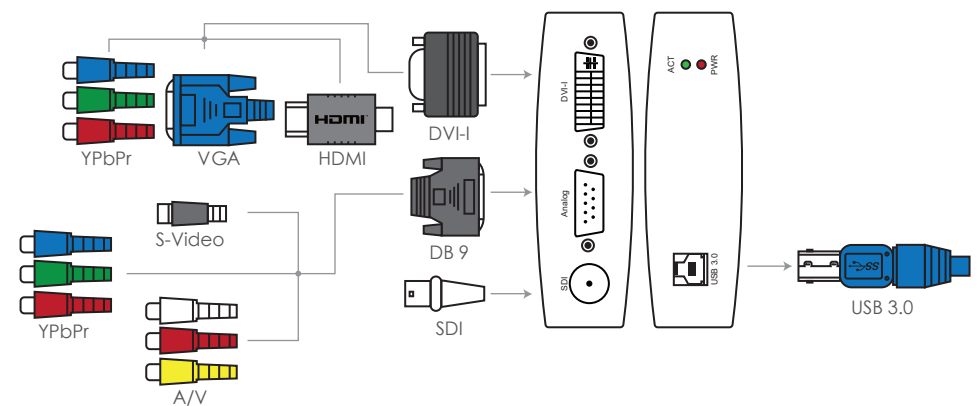
P/N: 90011

Capture 1 DVI signal

Host Interface USB 3.0
Input Interface 1 DVI
Size 101.50mm x 56.80mm x 17.00mm (L/W/H)



USB Capture AIO



P/N: 32110



1080p60



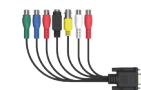
P/N: 90061



P/N: 90010



P/N: 90011



P/N: 90020

Capture 1 SDI/HDMI/DVI/VGA/YPbPr/S-Video/CVBS and 1 unbalanced stereo audio

Host Interface USB 3.0
Input Interface 1 BNC; 1 DVI-I; 1 DB9
Size 116mm x 116mm x 33mm (L/W/H)





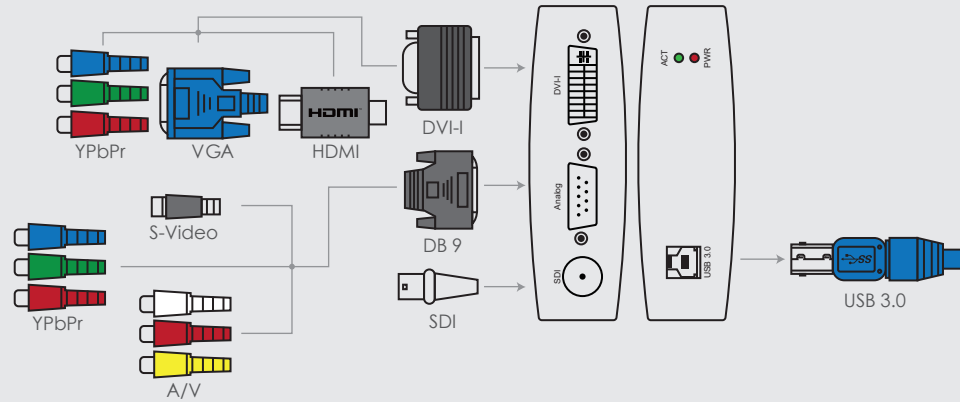
USB Capture Boxes

Magewell capture boxes are a good choice when you want to capture multiple channels using one external device. The palm-size device is stable and reliable. USB 3.0 interface is used to ensure capture of HD video. There are many combinations of capture interfaces, including 6 SD, 2 HD, 1HD + SD and 1 HD/SD. They are compatible with Windows and one PnP model can run on Windows®, Linux and Mac OS X. The outstanding video processing functions make your capture easier, such as deinterlacing, up/down conversion, color adjustment, phase correction, etc*.

*not all features available in PnP model

XI100XUSB-PRO

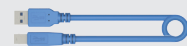
*PnP version available. Please visit magewell website for details.



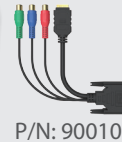
P/N: 20171



1080p60



P/N: 90061



P/N: 90010



P/N: 90020



P/N: 90011

Capture 1 SDI/HDMI/DVI/VGA/YPbPr/S-Video/CVBS and 1 unbalanced stereo audio

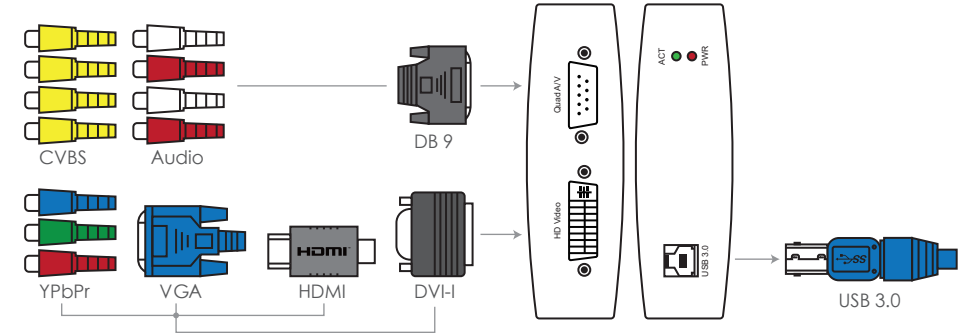
Host Interface USB 3.0

Input Interface 1 BNC; 1 DVI-I; 1 DB9

Size 116mm x 116mm x 33mm (L/W/H)



XI104XUSB



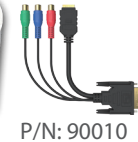
P/N: 20111



1080p60



P/N: 90061



P/N: 90010



P/N: 90021



P/N: 90011

Simultaneously capture 1 HD (DVI/VGA/HDMI/YPbPr) and 4 A/V signals

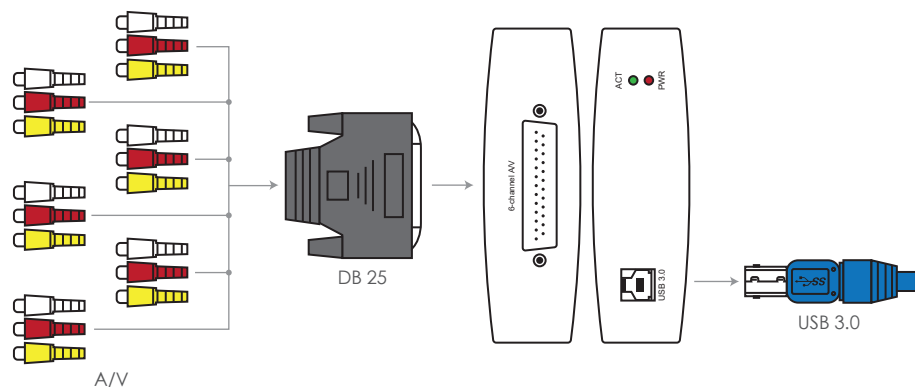
Host Interface USB 3.0

Input Interface 1 DVI-I; 1 DB9

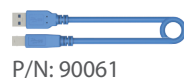
Size 116mm x 116mm x 33mm (L/W/H)



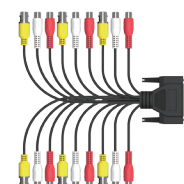
XI006AUSB



P/N: 20191



P/N: 90061



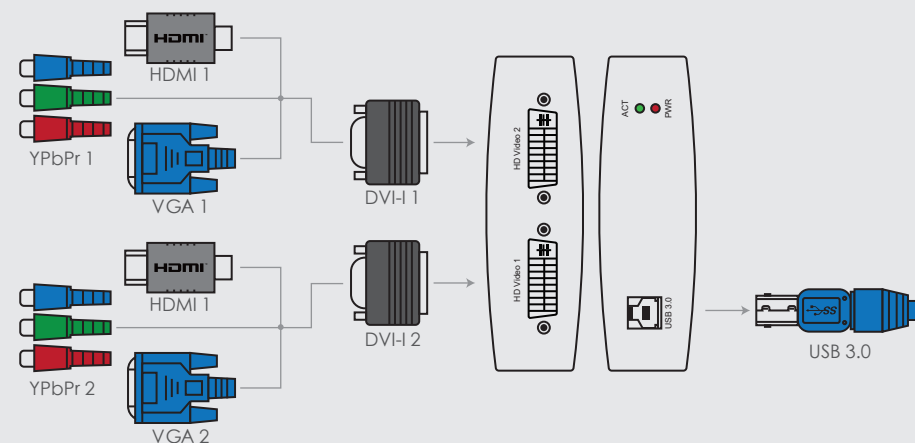
P/N: 90040

Simultaneously capture 6 A/V signals at D1/30 fps

Host Interface USB 3.0
Input Interface 1 DB25
Size 116mm x 116mm x 33mm (L/W/H)



XI200XUSB



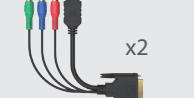
P/N: 20181



1080p60



P/N: 90061



P/N: 90010



P/N: 90011

Simultaneously capture 2 HD (DVI/VGA/HDMI/YPbPr)

Host Interface USB 3.0
Input Interface 2 DVI-I
Size 116mm x 116mm x 33mm (L/W/H)

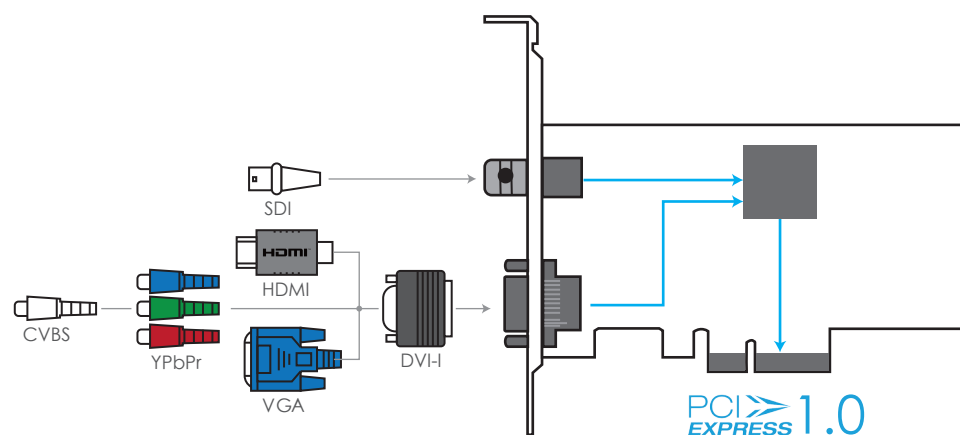


Legacy Products

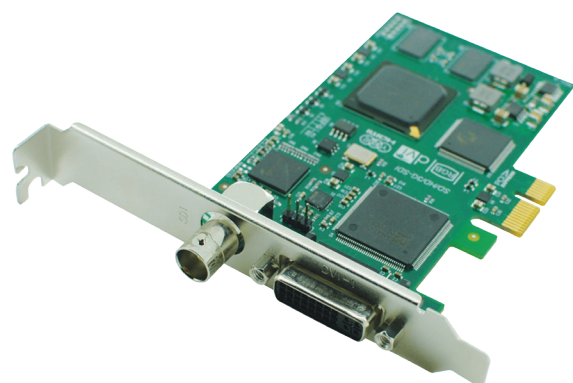


Legacy products are discontinued products. However, some models are possible to be produced if a certain MOQ (minimum order quantity) is met. Please contact sales@magewell.com for more information.

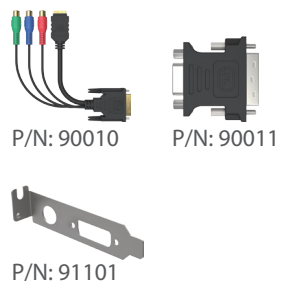
XI100XE-PRO (Low Profile)



P/N: 10141



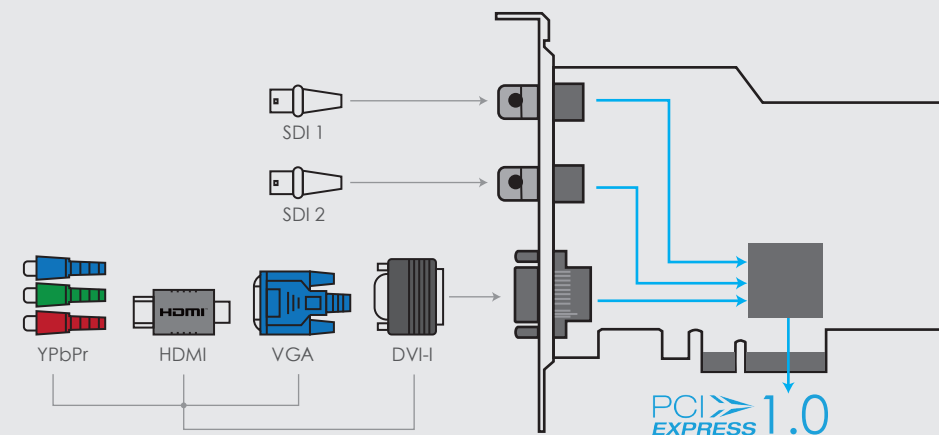
Low Profile
1080p60



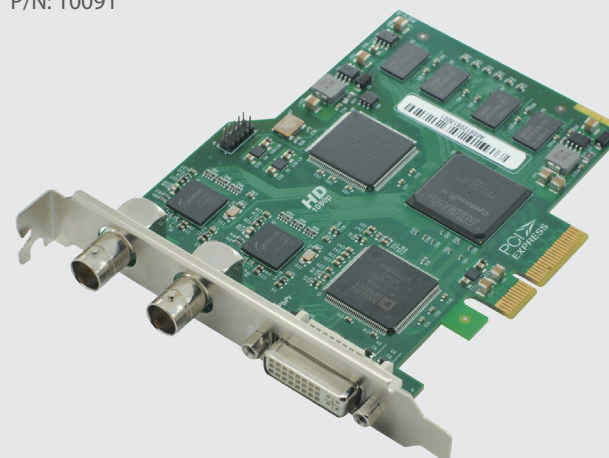
Capture 1 SDI/HDMI/DVI/VGA/YPbPr/CVBS and 1 unbalanced stereo audio
Host Interface PCIe 1.0 x1
Input Interface 1 BNC; 1 DVI-I
Size 105.15mm x 68.88mm



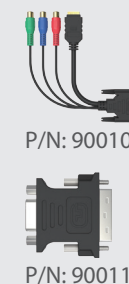
XI102XE-HD



P/N: 10091



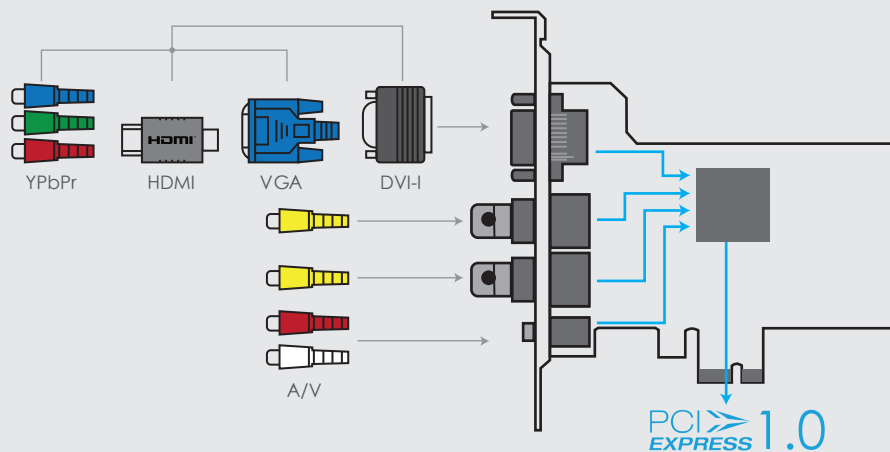
1080p60



Simultaneously capture 1 HD (DVI/VGA/HDMI/YPbPr) and 2 SD/HD/3G-SDI signals
Host Interface PCIe 1.0 x4
Input Interface 2 BNC; 1 DVI-I
Size 117.00mm x 94.67mm

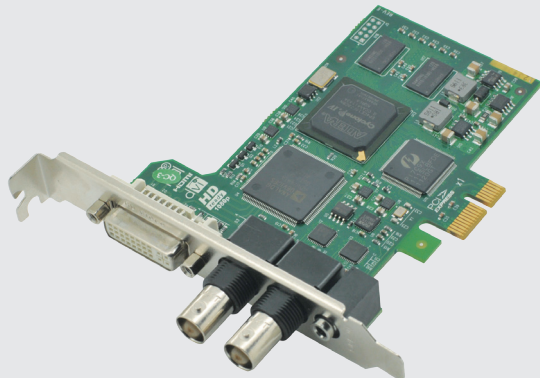


XI102XE



P/N: 10052

1080p60



P/N: 90010

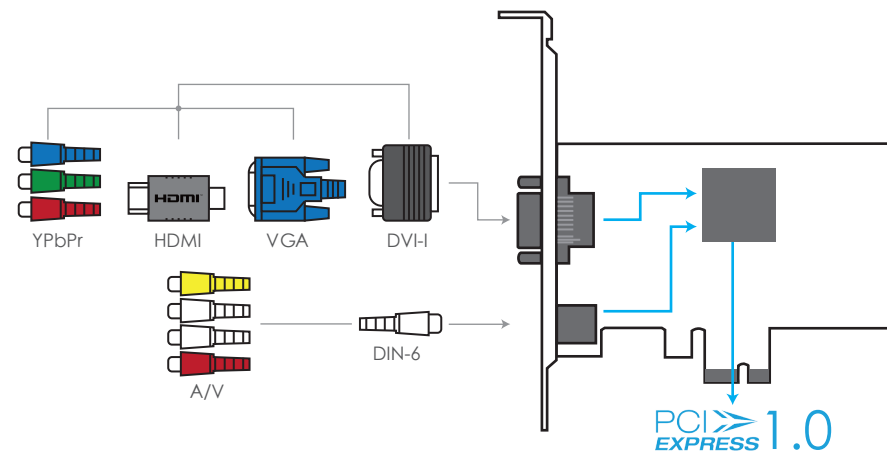


P/N: 90011

Simultaneously capture 1 HD (DVI/VGA/HDMI/YPbPr) signal and 2 A/V signals
 Host Interface PCIe 1.0 x1
 Input Interface 1 DVI-I; 2 BNC; 1 3.5 mm audio jack
 Size 102.50mm x 84.00mm

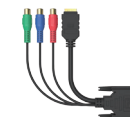


XI102XE (Low Profile)



P/N: 10051

Low Profile
1080p60



P/N: 90010



P/N: 90011



P/N: 90030

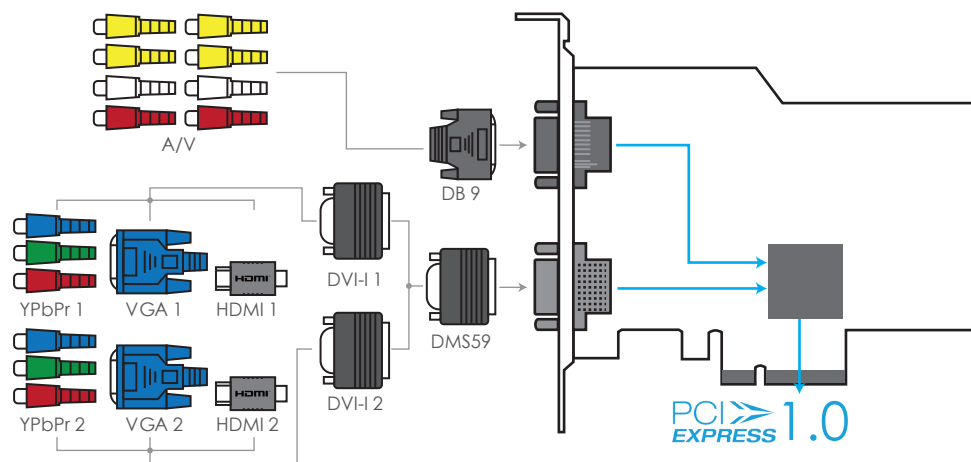


P/N: 91031

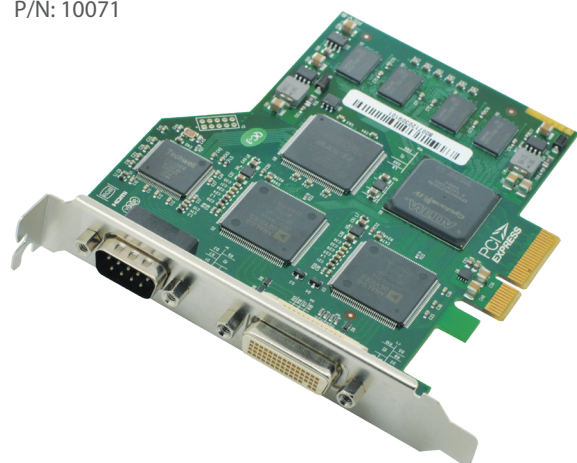
Simultaneously capture 1 HD (DVI/VGA/HDMI/YPbPr) and 2 A/V signals
 Host Interface PCIe 1.0 x1
 Input Interface 1 DVI-I; 1 DIN-6
 Size 102.50mm x 64.50mm



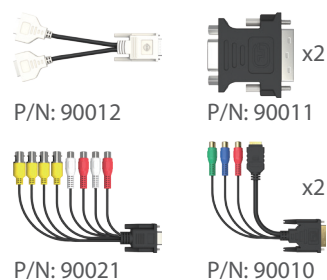
XI204XE



P/N: 10071



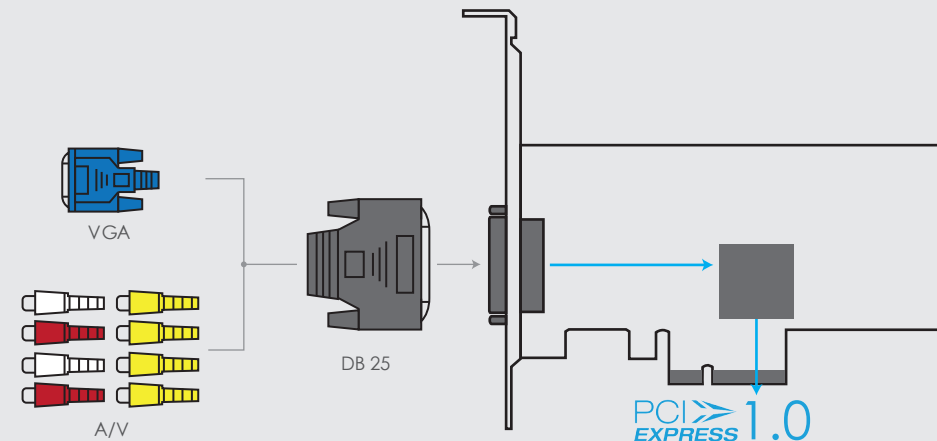
1080p60



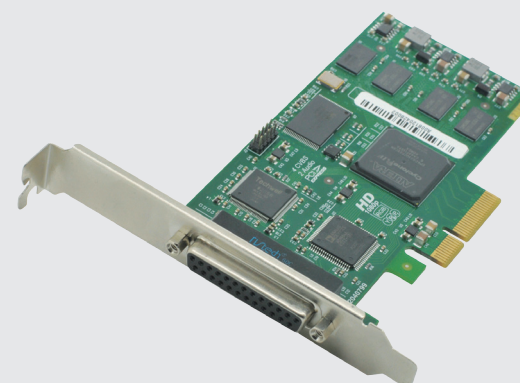
Simultaneously capture 2 HD(DVI/VGA/HDMI/YPbPr) signals and 4 A/V signals
 Host Interface PCIe 1.0 x4
 Input Interface 1 DMS59; 1 DB9
 Size 117.00mm x 102.80mm



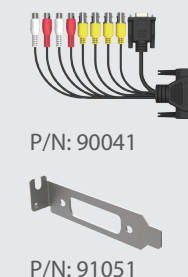
XI104AE



P/N: 10081



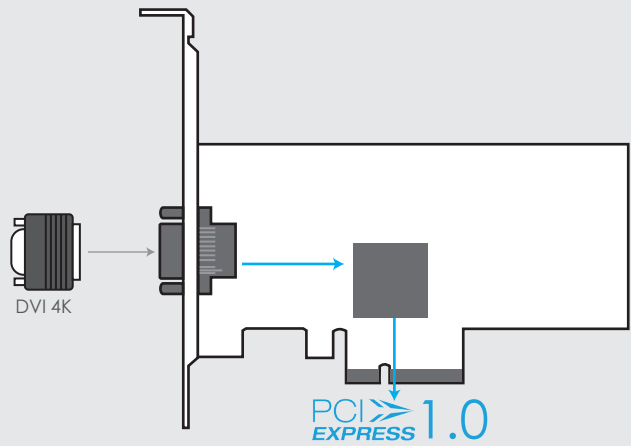
Low Profile
 1080p60



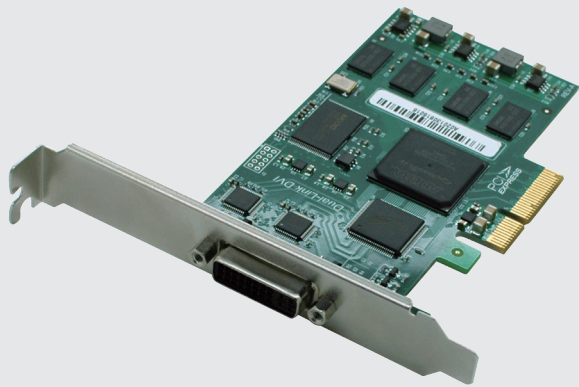
Simultaneously capture 1 VGA and 4 A/V signals
 Host Interface PCIe 1.0 x4
 Input Interface 1 DB25
 Size 126.50mm x 68.90mm



XI100DE-DVI-4K



P/N: 10201



Low Profile
4K 30

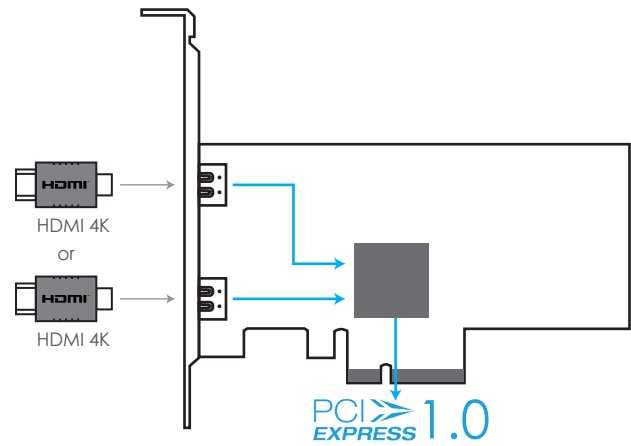


P/N: 91131

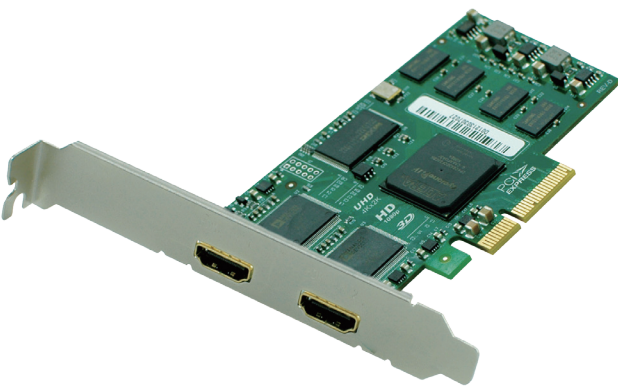
Capture 1 4K x 2K Ultra-HD HDMI signal
Host Interface PCIe 1.0 x4
Input Interface 1 dual-link DVI
Size 115.19mm x 68.88mm



XI100DE-HDMI-4K



P/N: 10121



Low Profile
4K 30



P/N: 91091

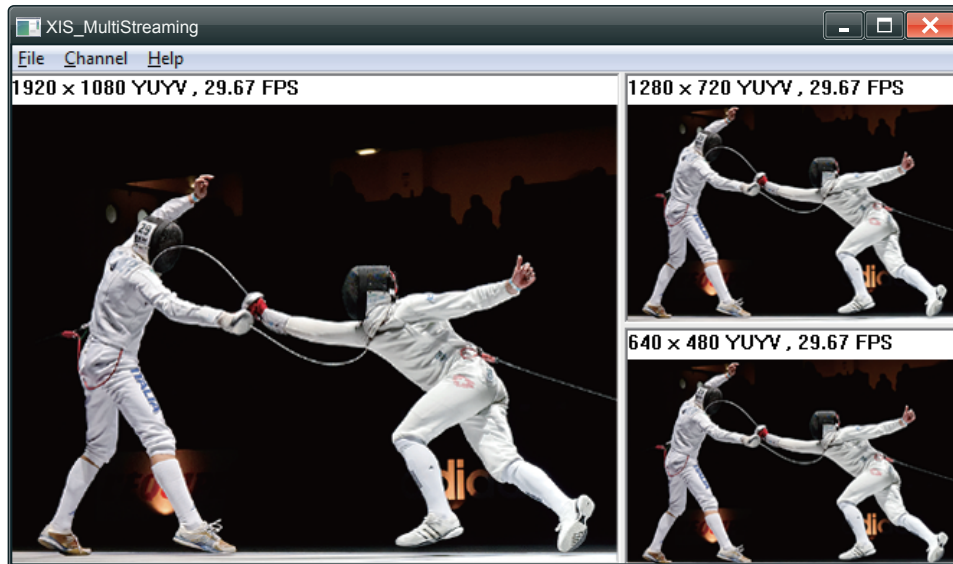
Capture 1 4K x 2K Ultra-HD HDMI and embedded LPCM audio signal
Host Interface PCIe 1.0 x4
Input Interface 2 HDMI (select either one of the interfaces)
Size 122.18mm x 68.88mm



SDK for Pro Capture Family

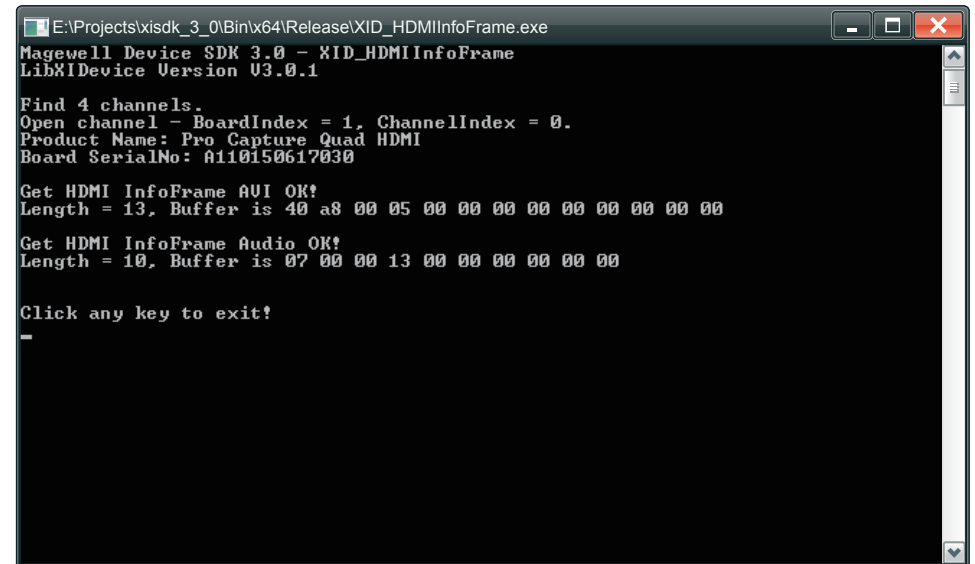
Features

Multi-Streaming Output



The same video source can be output at different data rates to any number of clients. The resolution, frame rate, deinterlacing, cropping, OSD etc. of each stream can be different.

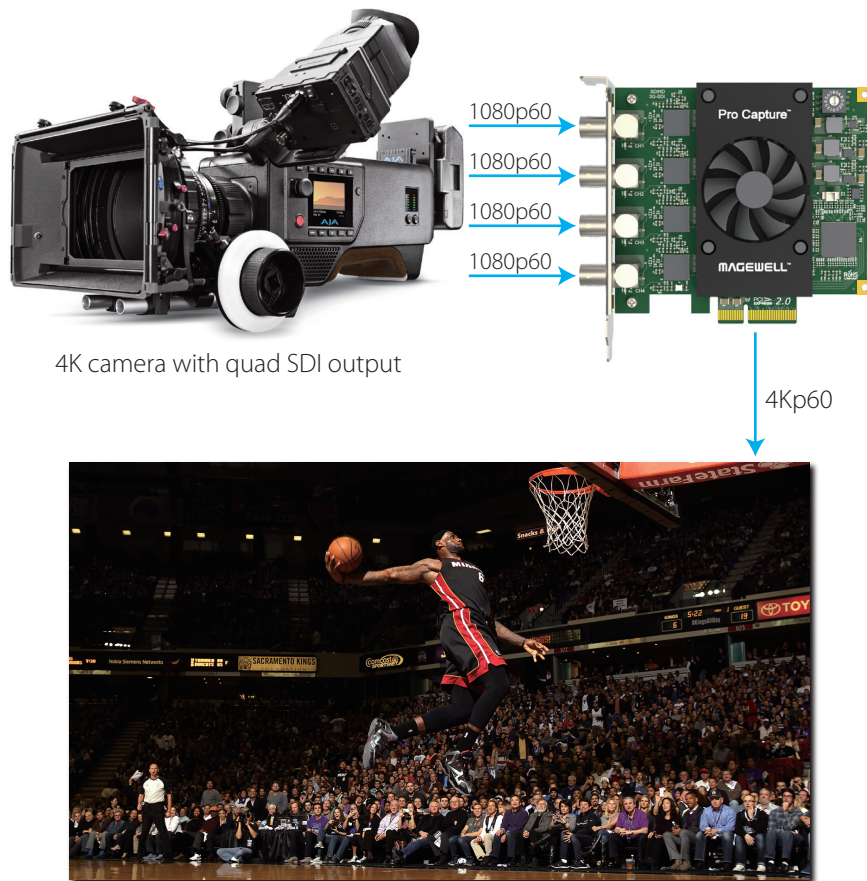
Obtain Data Package of InfoFrame



Support to obtain original InfoFrame data package of HDMI, including AVI, Audio, SPD, MS, VS, ACP etc. Canon and Sony DSRL time code can be extracted.

SDK for Pro Capture Family

Multi-Device Synchronization



Support for A/V frame synchronization when capturing from multiple capture devices in one computer or in multiple computers. For example, the 4K video camera can output 4 channels of one quarter of a 4K video (1080p60). After Magewell card captures them, it will output a seamless 4K video.

Use Hardware OSD



Support for OSD of RGBA text or picture in real time by hardware so that CPU usage is greatly reduced. Multiple captured videos can be overlaid to achieve PIP (Picture-in-Picture) and PAP (Picture-And-Picture).

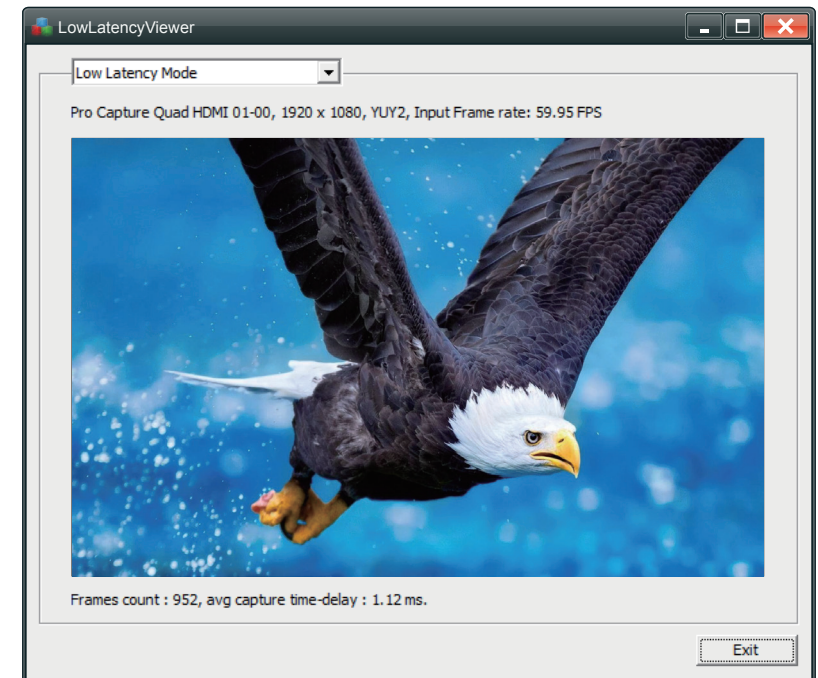
SDK for Pro Capture Family

Support Output of More Color Spaces

RGB15	BGR15	YUY2	I420
RGB16	BGR16	YUYV	IYUV
RGB24	BGR24	UYVY	NV12
RGBA	BGRA	YVYU	YV12
ARGB	ABGR	VYUY	NV21
AYUV	Y16	IYU2	RGB10
UYVA	GREY	V308	BGR10
V408	Y800	Y410	
VYUA	Y8	V410	

Up to 34 color spaces are supported, which includes 10-bit formats such as AYUV, V408, Y410, V410, RGB10 and BGR10.

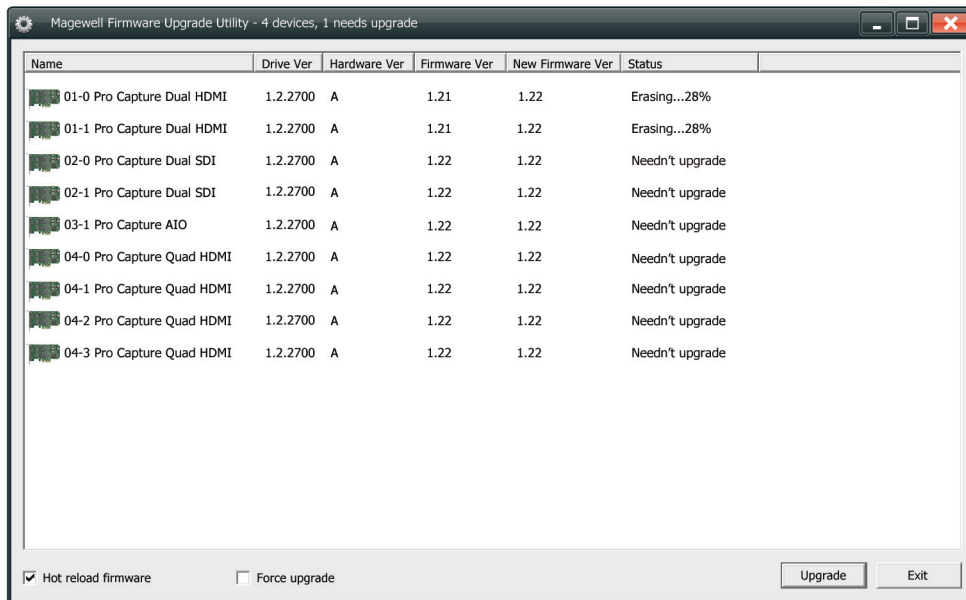
Super-low Latency Video Transfer



Support for 64 lines block transfer of data to reduce the capture time. Support for AMD Acceleration Parallel Processing (APP) and NVIDIA GPUDirect technology. Video data can be directly transferred to graphics memory.

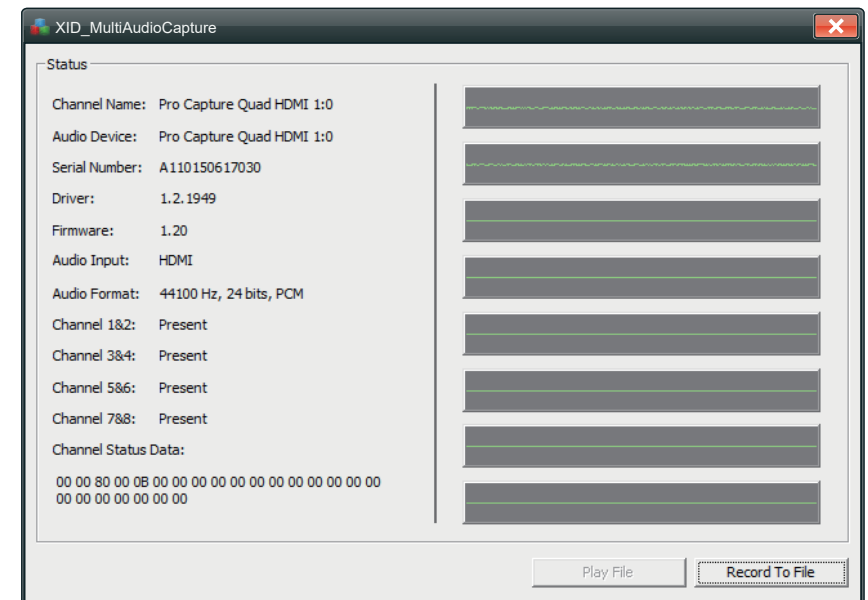
SDK for Pro Capture Family

Firmware Upgrade



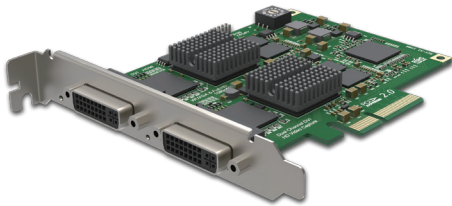
The Magewell SDK supports using the API to upgrade the firmware, so it is more convenient for the user to do deep integration and to do remote upgrade.

Capture 8-Channel Audio



Support for capturing of IEC60958/IEC61937 audio, including uncompressed audio such as 5.1 channel, 7.1 channel, DTS, THX, SRS and compressed audio such as AAC and MP3.

Compatible Software



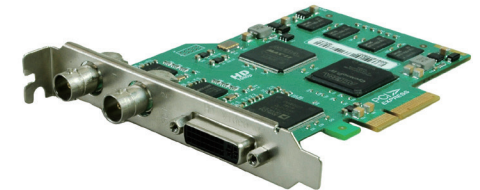
Pro Capture Family



USB Capture (Plus) Family



USB Capture Boxes



First Generation Cards



Magewell devices adopt standard development interface, for example video capture interface based on DirectShow Filter, audio capture interface based on DirectSound, expansion interface based on IKSPropertySet. They are compatible with almost any software with DirectShow (Windows), V4L2 (Linux) and ALSA (Linux) architecture. Please visit magewell.com/compatible-software for all the compatible software. If you are not sure whether Magewell products support your software, please send an email to sales@magewell.com for enquiry.



Windows

Amcap
Adobe Flash Media Live Encoder
Adobe Connect
Camtasia Studio
Discover Video Multimedia Encoder
Discover Video Streamsie
Google Plus Hangouts
Gotomeeting
Graphedit
GrandVJ
Livestream
Microsoft Lync
OBS (Open Broadcaster Software)
Presentations 2Go
Quicktime Player
Real Producer Plus
Resolume

Skype
Skype for business
Streambox
Streamstar
Vidblaster
Video Stitch
Vidyo
VirtualDub
VLC
Vmix
Watchout
Windows Media Encoder
Wirecast
XSplint Broadcaster
XSplint Gamecaster
Zoom.us



Linux

Adobe Connect
Gstreamer
Google Plug Hangouts
OBS (Open Broadcaster Software)
VirtualDub
Video Stitch
VLC (VideoLAN Client)
Zoom.us

*Please contact us to obtain more information regarding Linux driver for Pro Capture Family.
USB Capture dongles can run directly on Linux and no manual installation of driver is needed.*

The underlined software is only compatible with USB Capture Family.

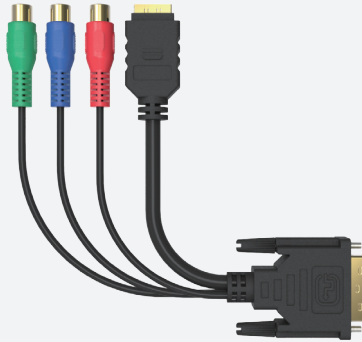


Mac OS X

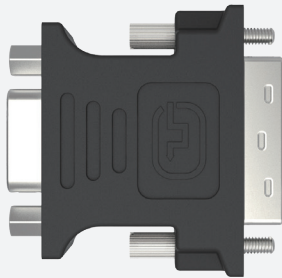
Adobe Flash Media Live Encoder
Adobe Connect
CoGe VJ
Discover Video Streamsie
Gstreamer
Gotomeeting
GrandVJ
MadMapper
MimoLive
OBS (Open Broadcaster Software)
Quicklaunch
QuickTime Broadcaster
QuickTime Player
Resolume
Skype
Streambox
Video Stitch
VirtualDub
VLC
Wirecast
Zoom.us

Accessories

DVI-I Breakout

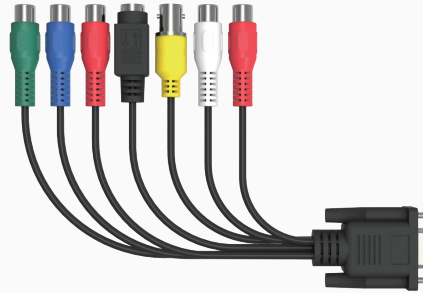


- P/N: 90010
- DVI-I to 1 HDMI + 1 YPbPr breakout

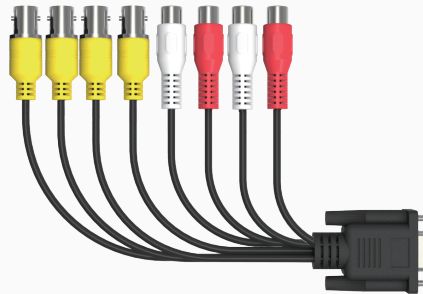


- P/N: 90011
- DVI-I to VGA adapter

DB9 Breakout

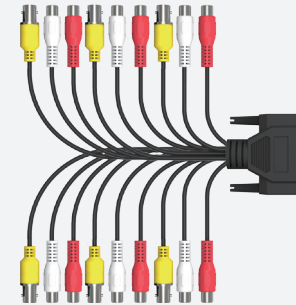


- P/N: 90020
- DB9 to 1 YPbPr + 1 S-Video + 1 A/V breakout

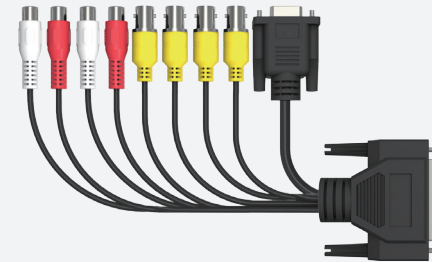


- P/N: 90021
- DB9 to 4 CVBS + 2 stereo audio breakout

DB25 Breakout



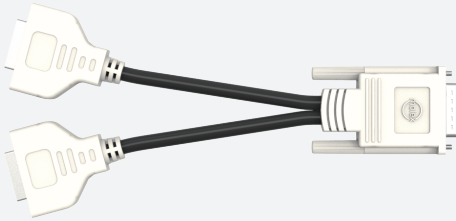
- P/N: 90040
- DB25 to 6 A/V breakout



- P/N: 90041
- DB25 to 1 VGA + 4 CVBS + 2 stereo audio breakout

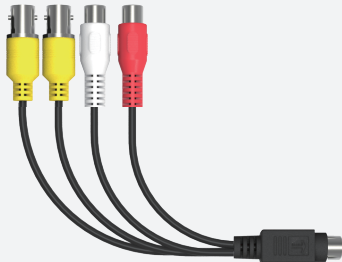
Accessories

DMS59 Breakout



- P/N: 90012
- DNS59 to 2 DVI breakout

DIN-6 Breakout



- P/N: 90030
- DIN-6 to 2 CVBS + stereo audio

MCX Breakout



- P/N: 90050
- MCX to BNC (for SDI)

SMA Breakout



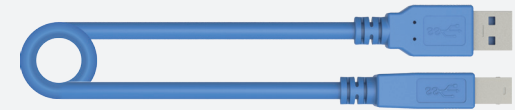
- P/N: 90051
- SMA to BNC (for SDI)

MMCX Breakout



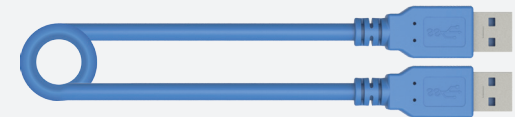
- P/N: 90052
- MMCX to SDI breakout

USB 3.0 Breakout



- P/N: 90061
- USB 3.0 cable (Type A + Type B)

USB 3.0 Breakout



- P/N: 90062
- USB 3.0 cable (Type A + Type A)

SHD Breakout



- P/N: 90070
- SHD to HDMI breakout

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