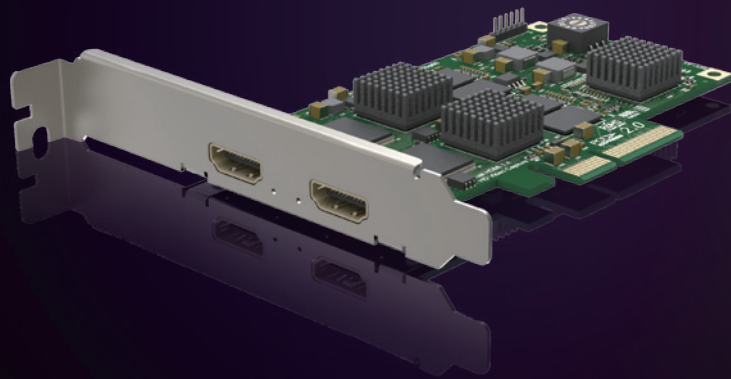


# amaze yourself with the SUPERB CAPTURE EXPERIENCE





## 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
Models	4
Eco Capture™ Family	22
Features	23
Models	26
USB Capture™ Family	29
Features	30
Models	32
USB Capture Plus™ Family	34
Features	35
Models	36
USB Capture™ Boxes	39
Models	40
Legacy Products	41
SDK for Pro Capture Family	47
Compatible Software	51
Accessories	52
Solutions	54



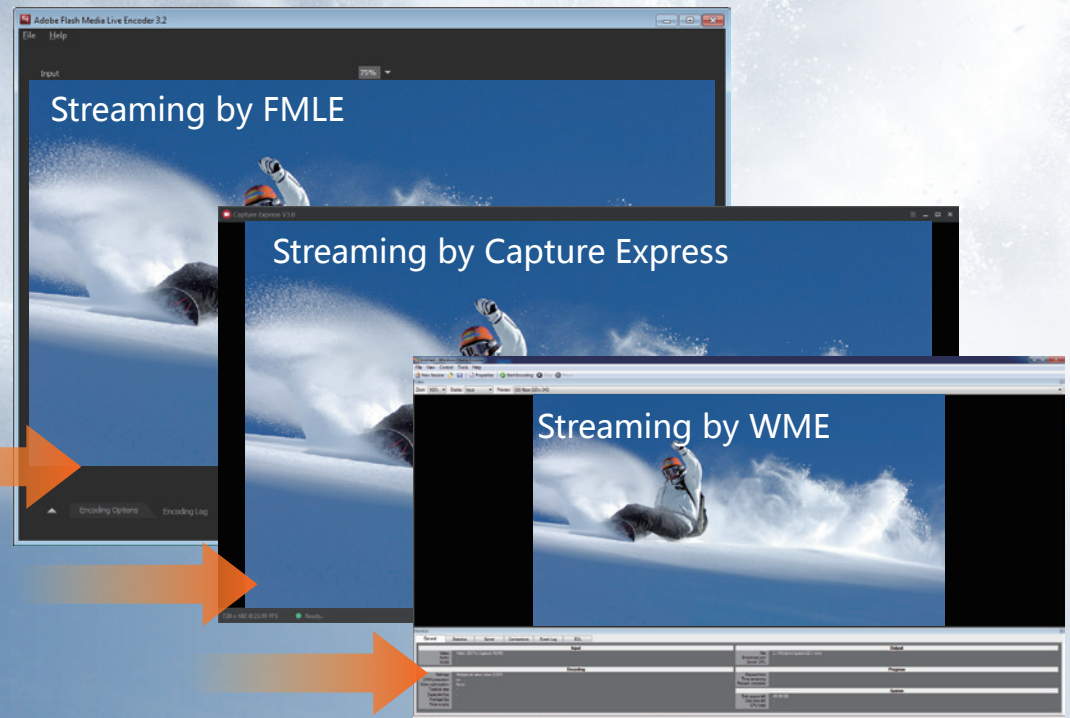
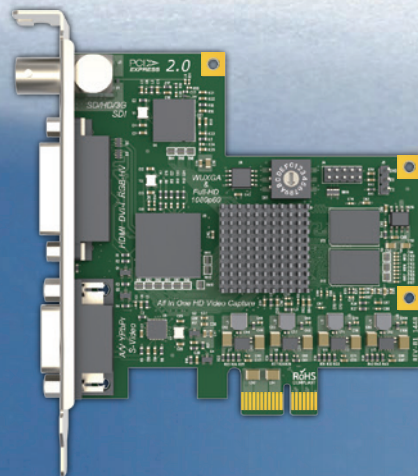
# Pro Capture Family - Professional's choice



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.

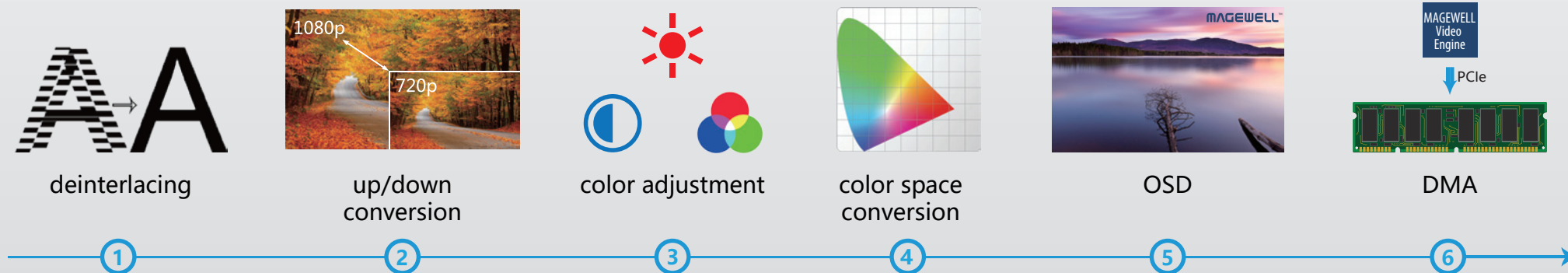




# Magewell Video Engine

## MAGEWELL Video Engine

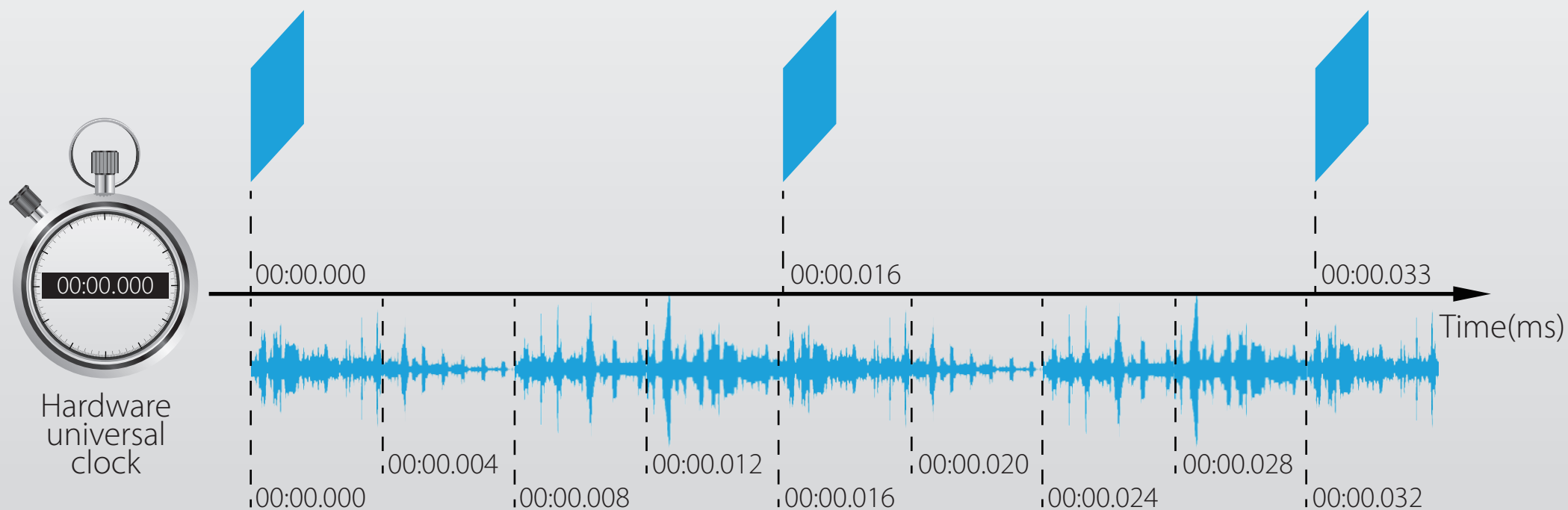
The hardware of Pro Capture Cards and the FPGA-based video engine support 4:4:4 10-bit RGB and YUV. The cards support full range (0-255) and limited range (16-235) in terms of quantization range, so the color of the output is more accurate. Pro Capture Family has various useful video processing functions, 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.



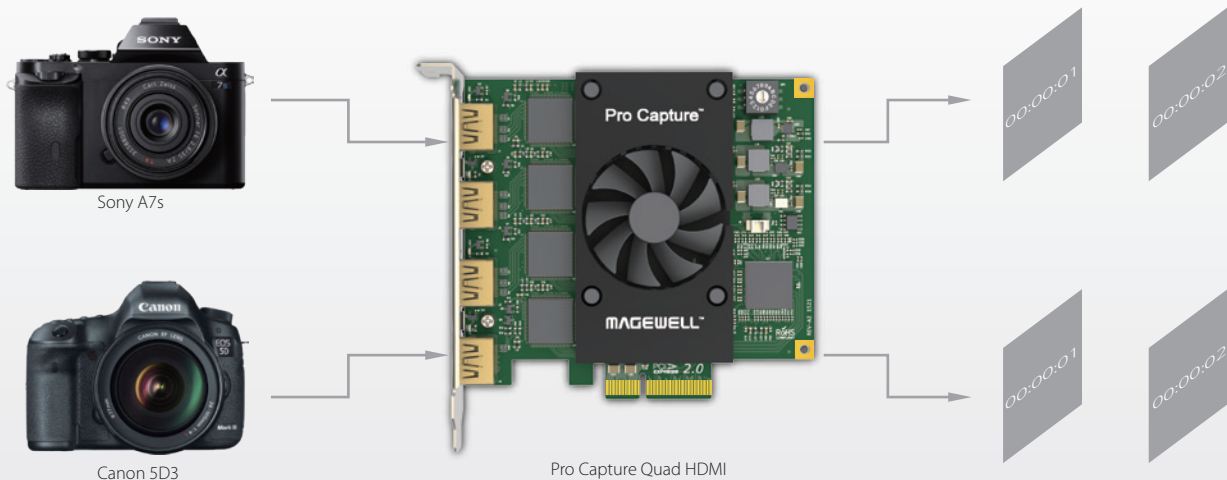
4:4:4 10-bit, YUV or RGB

# 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.



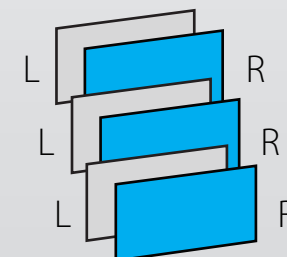
Frame packed

Top-and-bottom

Side-by-side



3D player

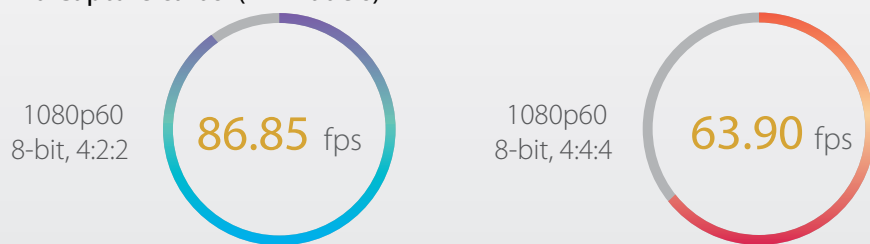


3D glasses

# 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

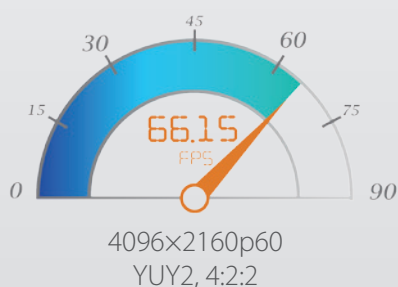
(Pro Captute AIO 4K Plus & Pro Capture HDMI 4K Plus only)

**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

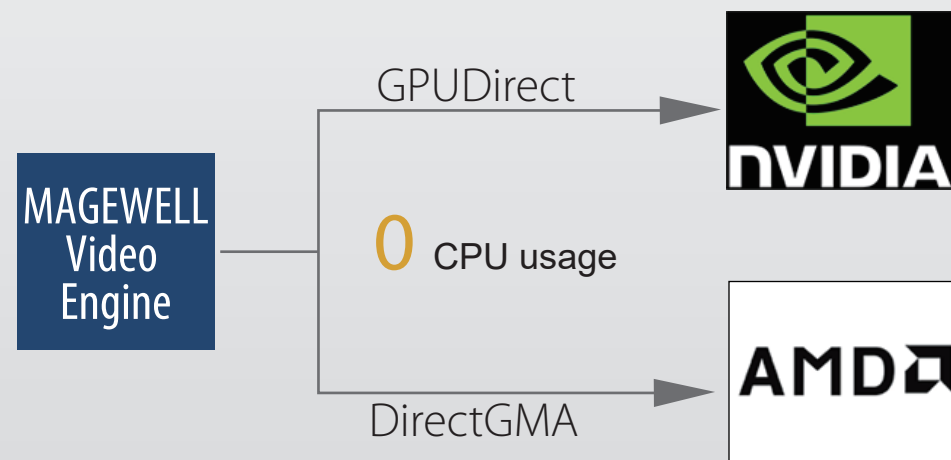


Pro Captute AIO 4K Plus and Pro Capture HDMI 4K Plus can capture games at 1440p60 or 1080p144, achieving pixel accuracy. Pro Capture HDMI 4K can capture at 1080p120.



# 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.

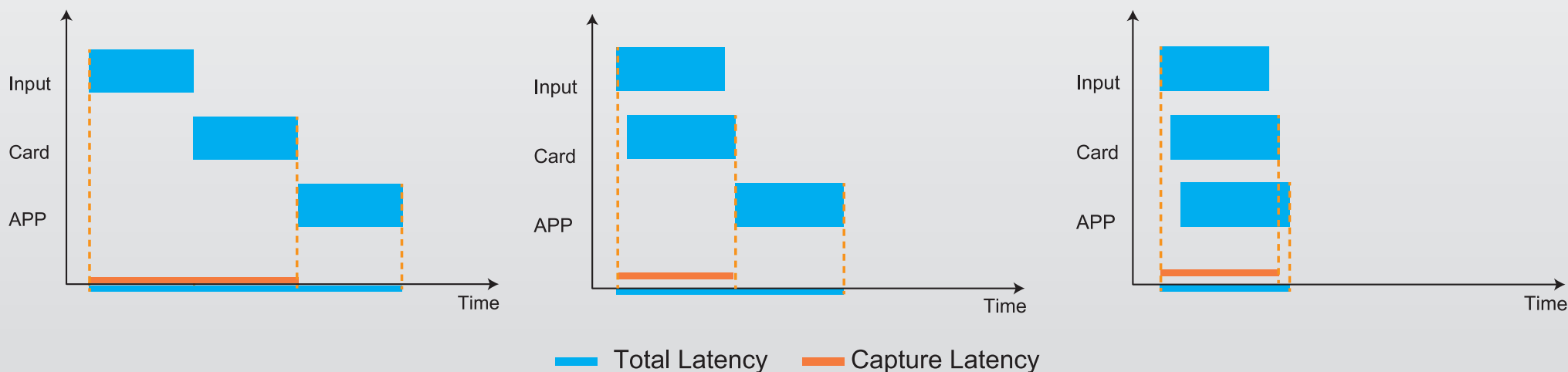




# Low-latency Mode

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

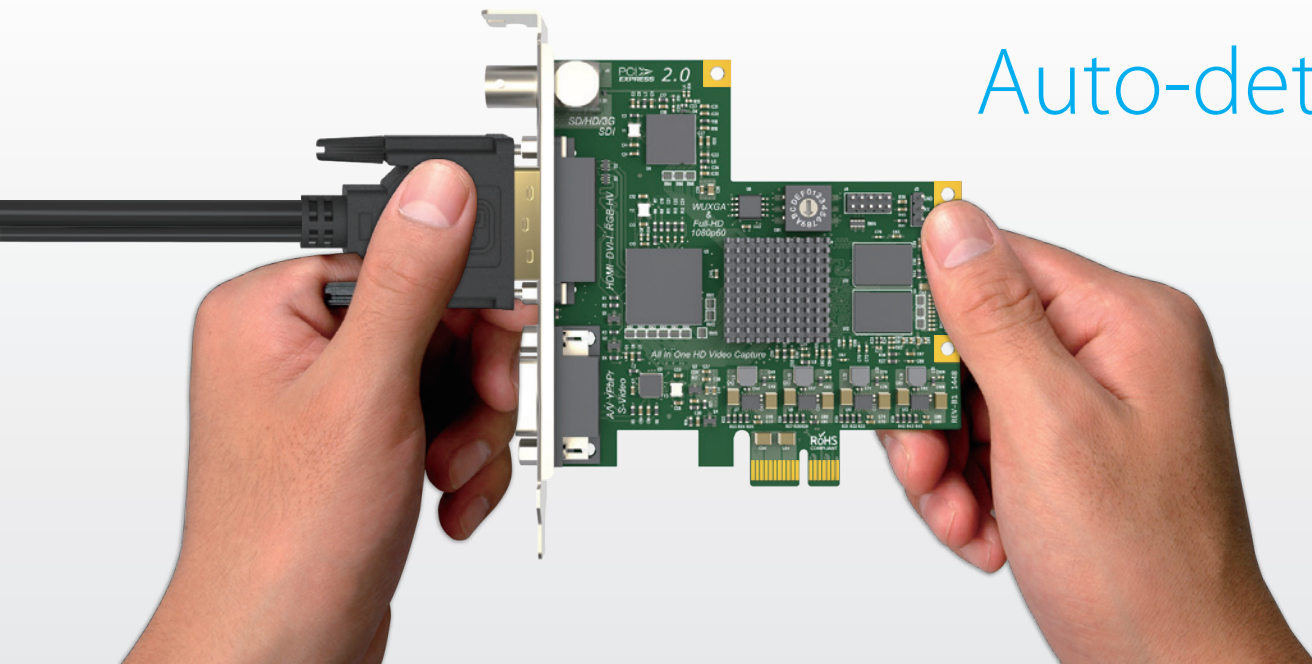
## Low-latency Mode

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

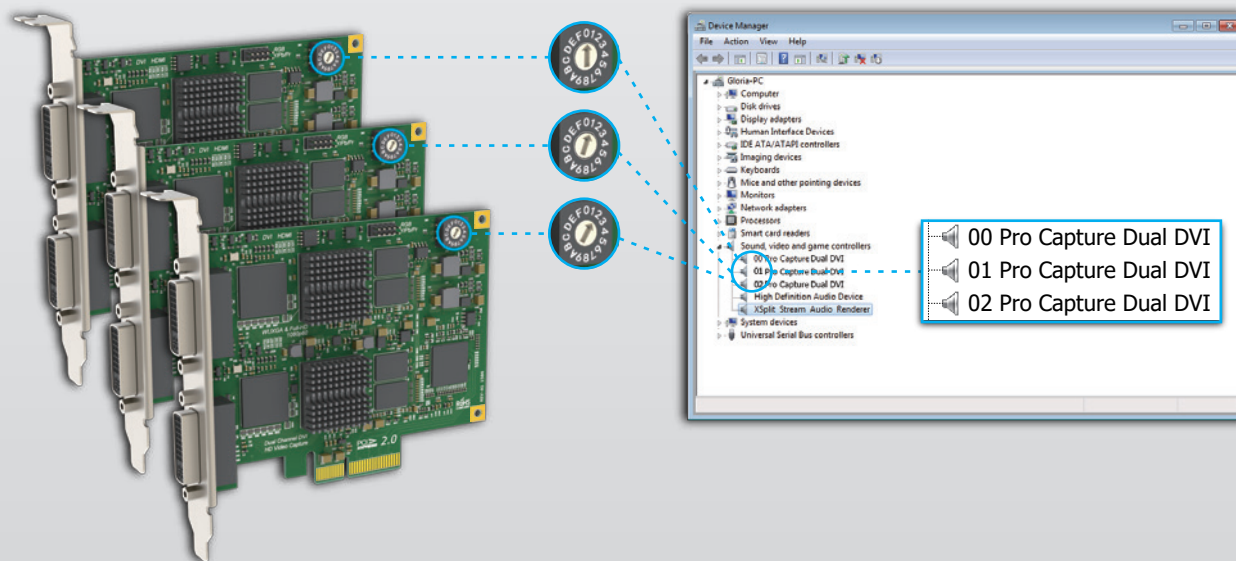
# Auto-detection of Input Signal



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.

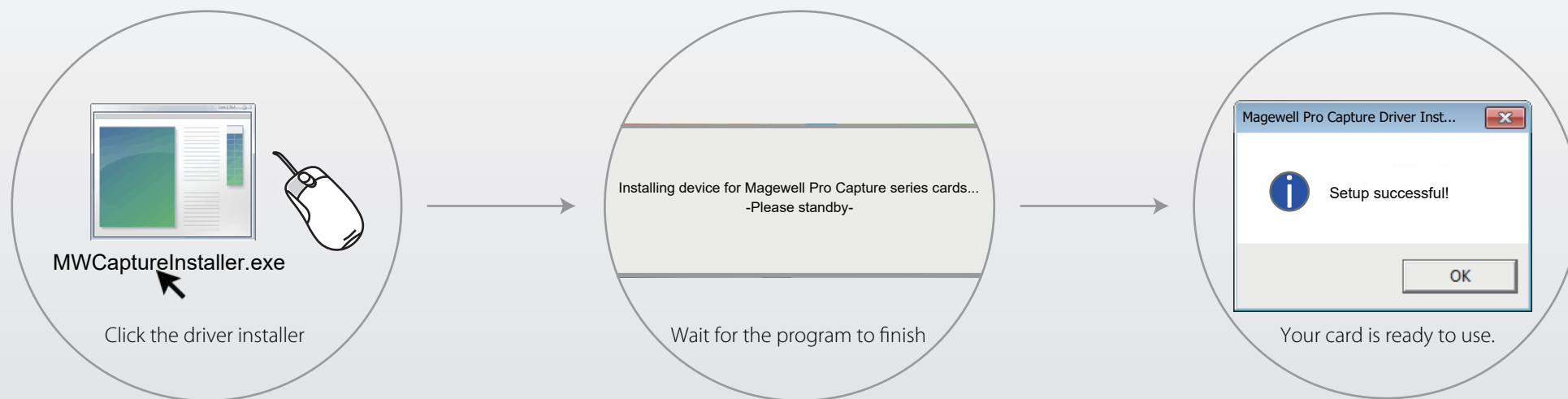
# Multiple Cards on One Computer

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

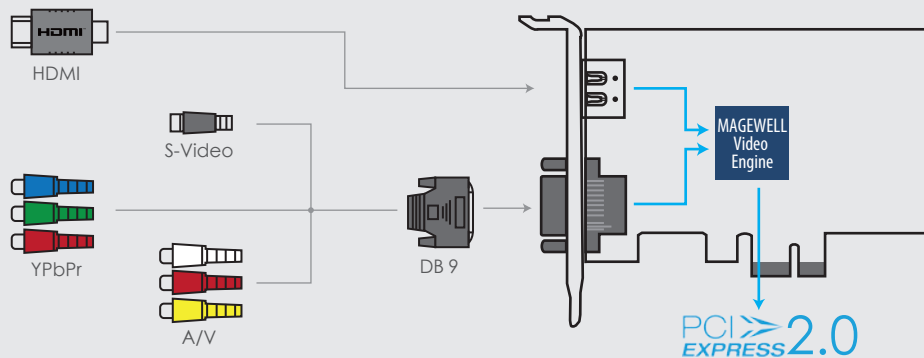
A universal driver is provided for all the cards in the Pro Capture Family so users do not need to find the driver for each card. This is very convenient and avoids installing the wrong driver. Driver installation is automatic.



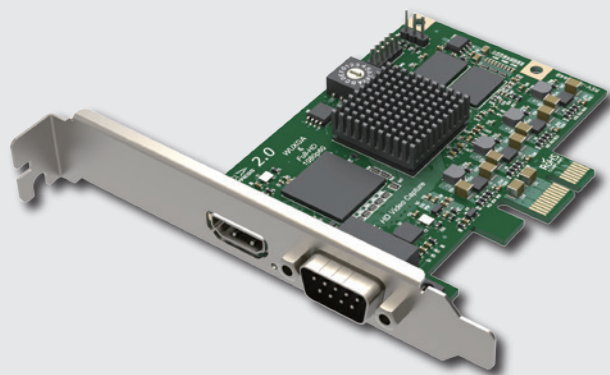
# Firmware Upgrade

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.

## Pro Capture HDMI



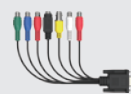
P/N: 11040



Low Profile

2K60

3D HDMI



P/N: 90020



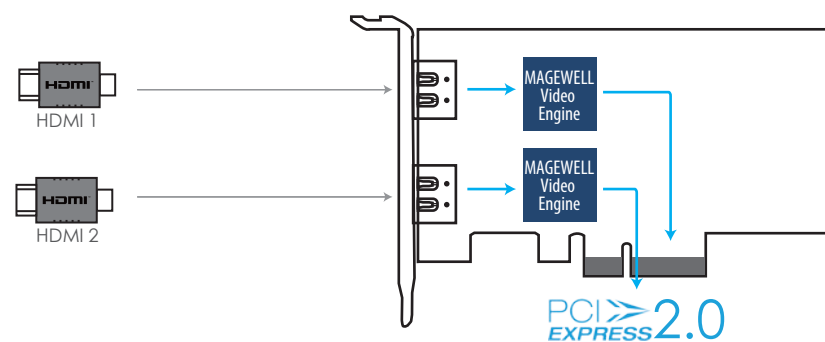
P/N: 91210

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

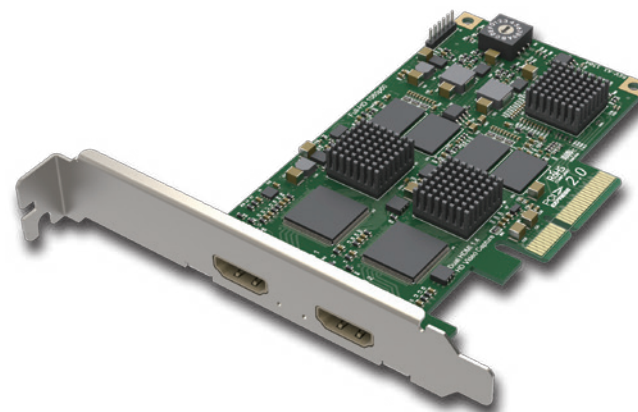
Host Interface . . . . . PCIe 2.0 x1  
 Input Interface . . . . . 1 HDMI; 1 DB 9  
 Size (without PCI bracket) . . . . . 92.76mm x 68.88mm



## Pro Capture Dual HDMI



P/N: 11080



Low Profile

2K60

3D HDMI



P/N: 91091

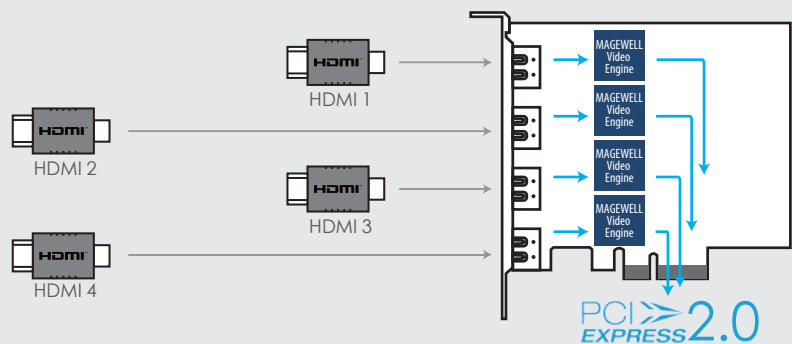
Simultaneously capture 2 HDMI signal

Host Interface . . . . . PCIe 2.0 x4  
 Input Interface . . . . . 2 HDMI  
 Size (without PCI bracket) . . . . . 115.99mm x 68.88mm

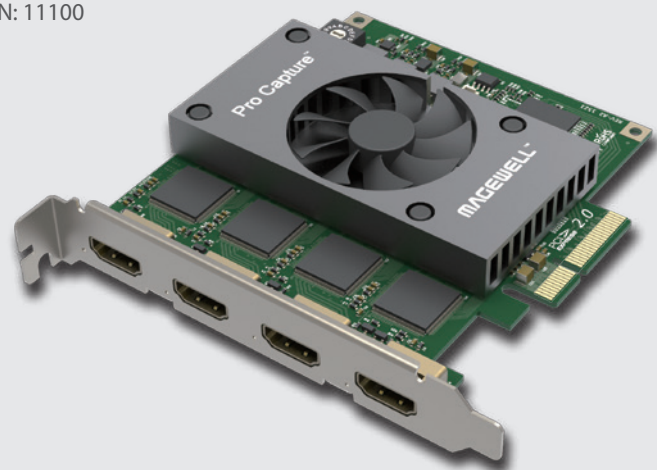




## Pro Capture Quad HDMI



P/N: 11100



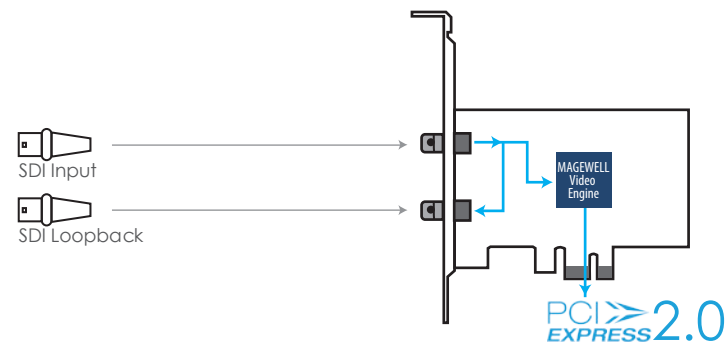
2K60  
3D HDMI

Simultaneously capture 4 HDMI signals

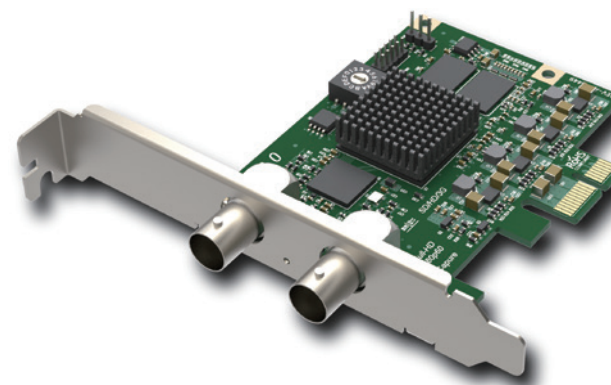
Host Interface . . . . . PCIe 2.0 x4  
Input Interface . . . . . 4 HDMI  
Size (without PCI bracket) . . . . . 112.15mm x 102.92mm



## Pro Capture SDI



P/N: 11050



Low Profile  
2K60

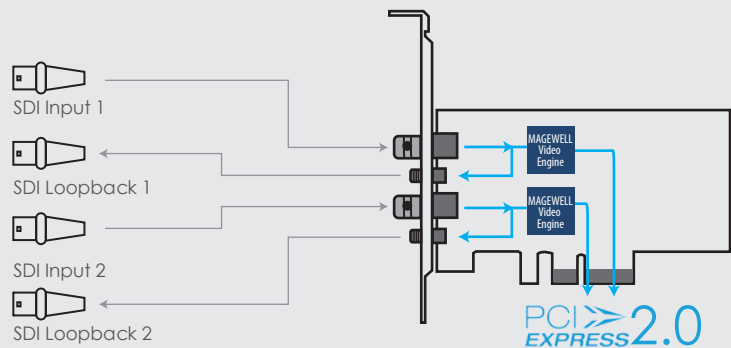


Capture 1 SD/HD/3G-SDI signal, including 1 loopback

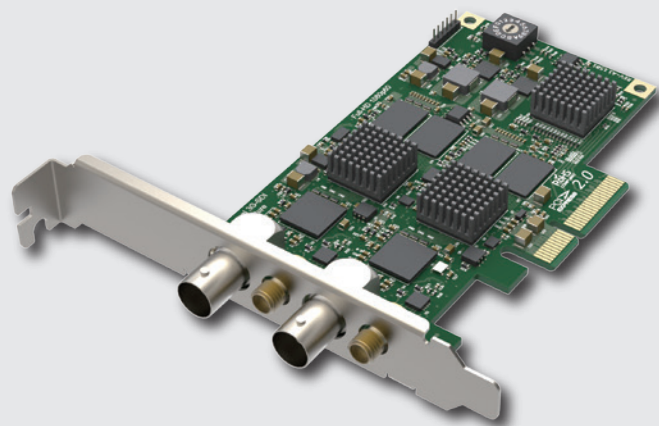
Host Interface . . . . . PCIe 2.0 x1  
Input Interface . . . . . 1 BNC  
Loopback Interface . . . . . 1 BNC for loopback  
Size (without PCI bracket) . . . . . 87.68mm x 68.88mm



## Pro Capture Dual SDI

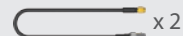


P/N: 11060



Low Profile

2K60



P/N: 90051



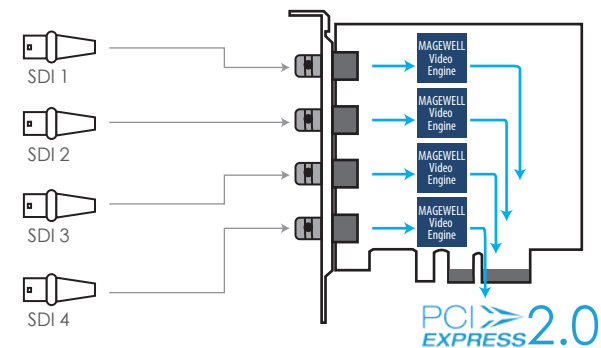
P/N: 91181

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

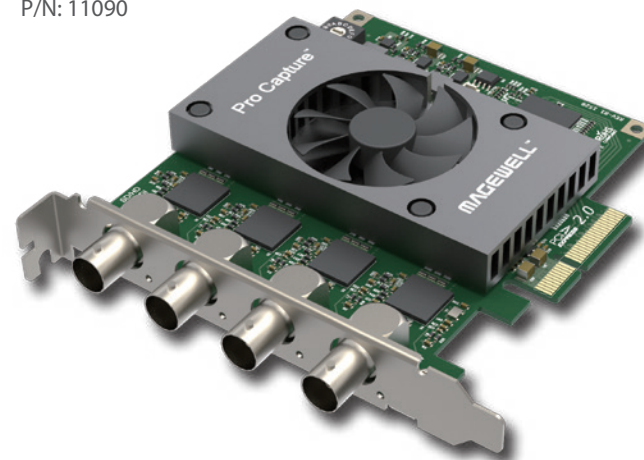
Host Interface . . . . . PCIe 2.0 x4  
 Input Interface . . . . . 2 BNC  
 Loopback Interface . . . . . 2 SMA for loopback  
 Size (without PCI bracket) . . . . . 116.19mm x 68.88mm



## Pro Capture Quad SDI



P/N: 11090



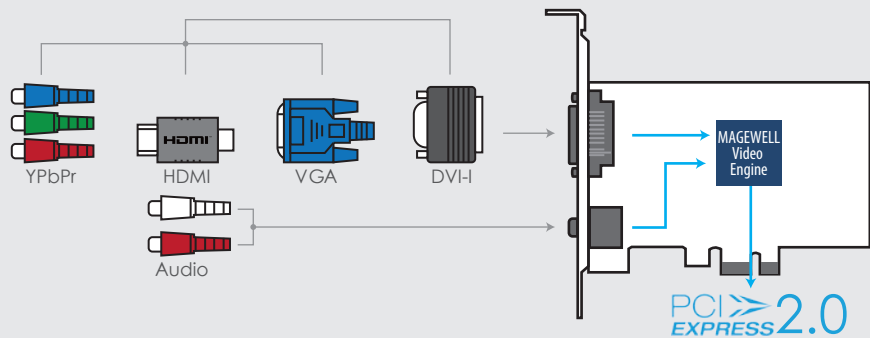
2K60

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

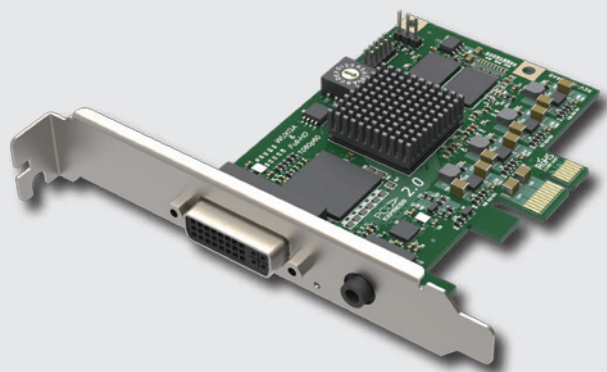
Host Interface . . . . . PCIe 2.0 x4  
 Input Interface . . . . . 4 BNC  
 Size (without PCI bracket) . . . . . 112.15mm x 102.92mm



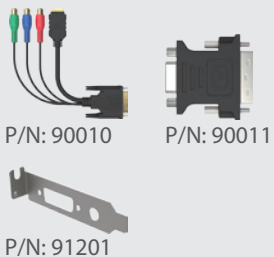
## Pro Capture DVI



P/N: 11030



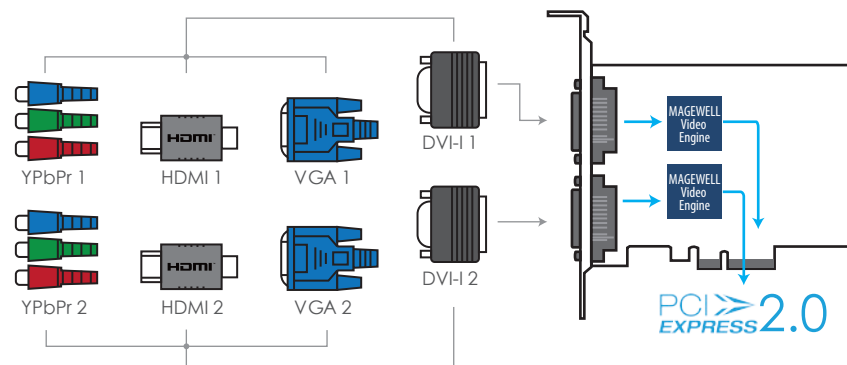
Low Profile  
2K60



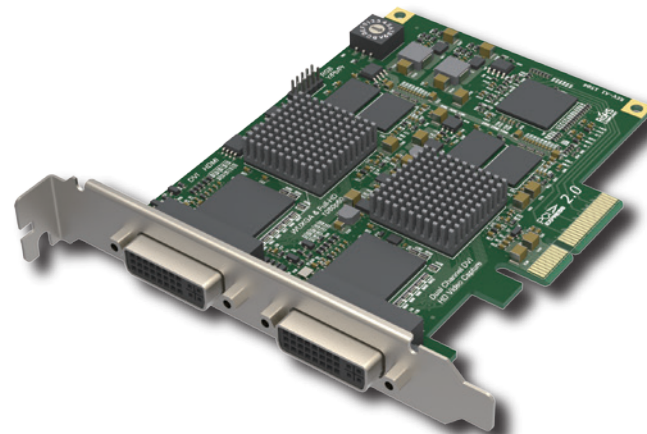
Capture 1 HD (DVI/VGA/HDMI/YPbPr) signal and 1 analog audio  
Host Interface . . . . . PCIe 2.0 x1  
Input Interface . . . . . 1 DVI-I; 1 3.5 mm audio jack  
Size (without PCI bracket) . . . . . 92.76mm x 68.88mm



## Pro Capture Dual DVI



P/N: 11070



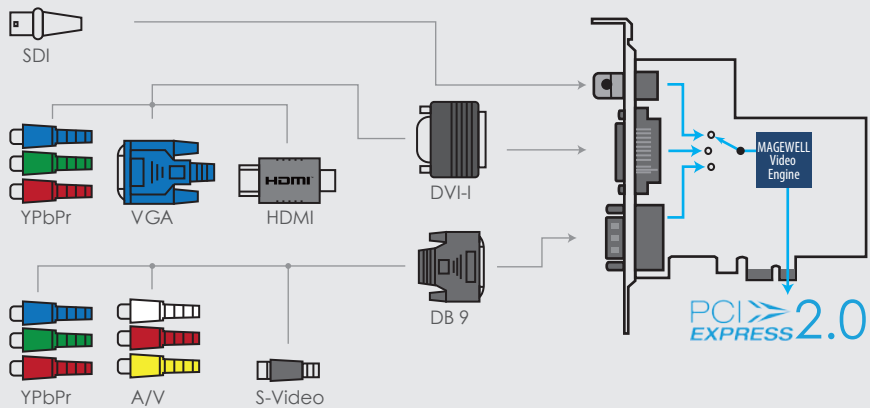
2K60



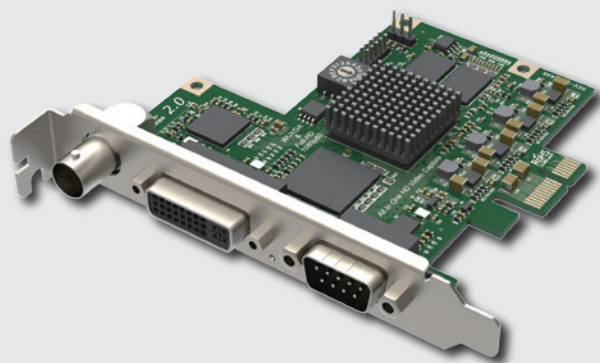
Simultaneously capture 2 HD (DVI/VGA/HDMI/YPbPr) signals  
Host Interface . . . . . PCIe 2.0 x4  
Input Interface . . . . . 2 DVI-I  
Size (without PCI bracket) . . . . . 115.9mm x 91.29mm



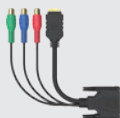
## Pro Capture AIO



P/N: 11020



2K60



P/N: 90010



P/N: 90011



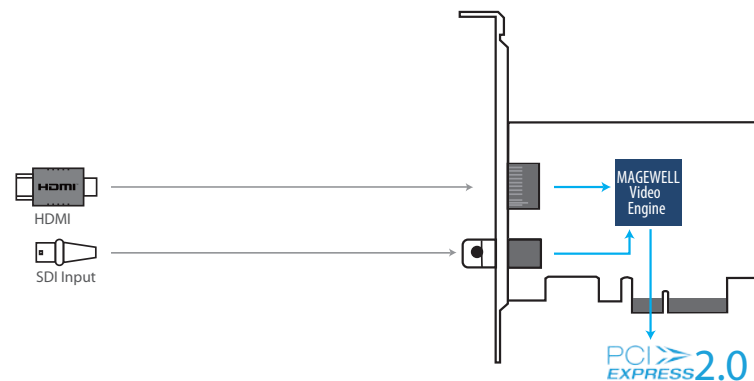
P/N: 90020

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

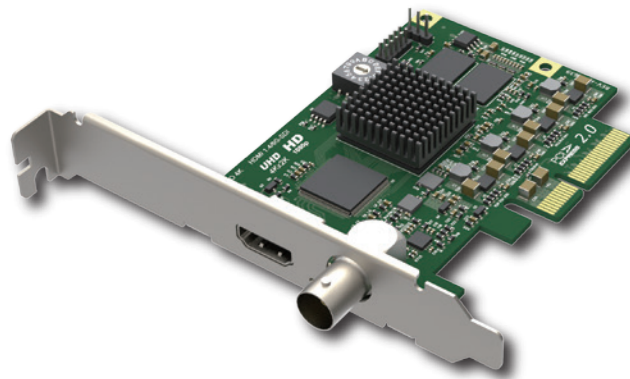
Host Interface ..... PCIe 2.0 x1  
 Input Interface ..... 1 BNC; 1 DVI-I; 1 DB9  
 Size (without PCI bracket) ..... 92.76mm x 96.24mm



## Pro Capture AIO 4K



P/N: 11170



Low Profile

4K60

3D HDMI



P/N: 91231

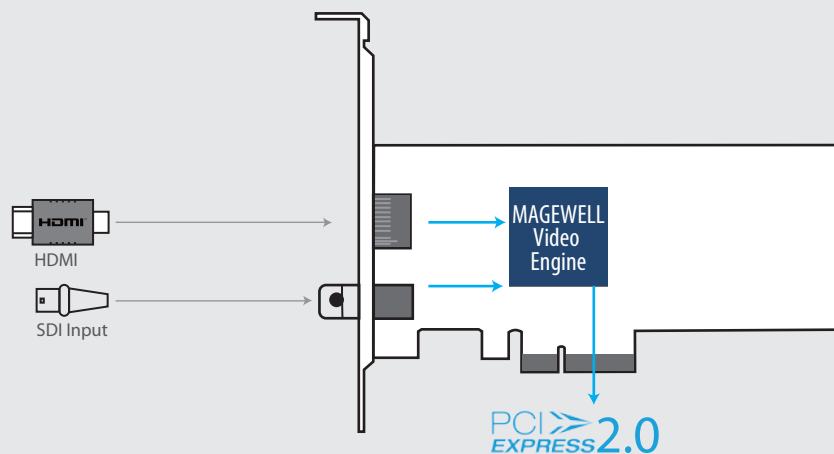
Capture 1 HDMI/SDI signal

Host Interface ..... PCIe 2.0 x4  
 Input Interface ..... 1 HDMI; 1 BNC  
 Size (without PCI bracket) ..... 92.79mm x 68.43mm

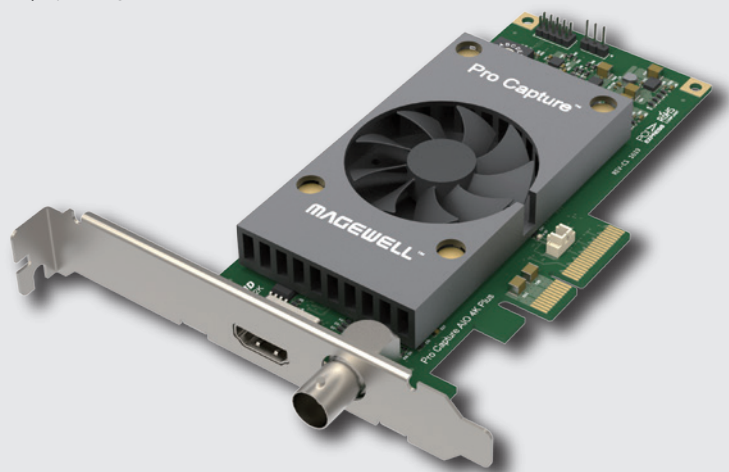




## Pro Capture AIO 4K Plus



P/N: 11140



Low Profile  
4K60  
3D HDMI

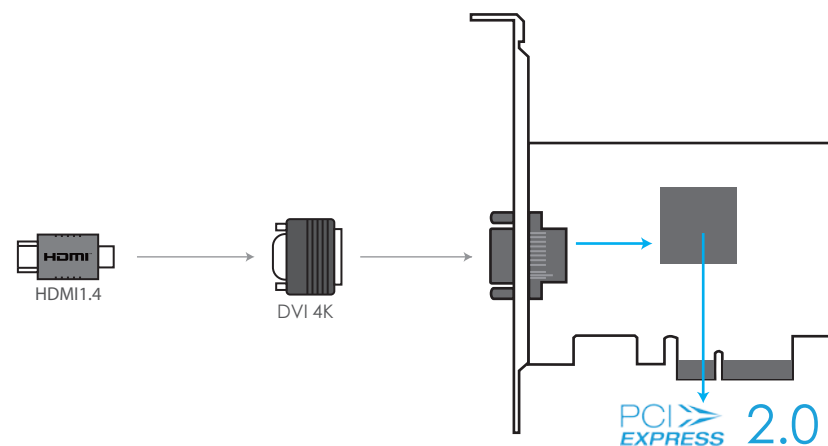


Capture 1 HDMI/SDI signal

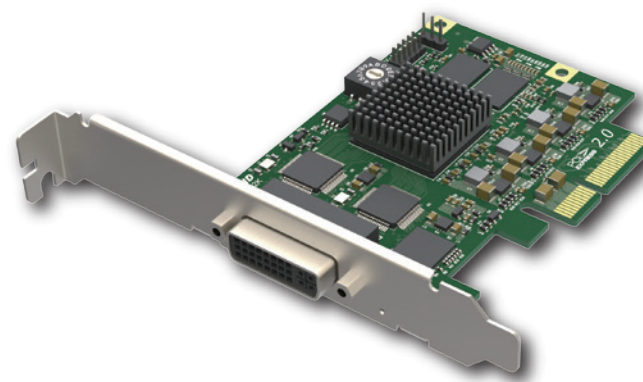
Host Interface ..... PCIe 2.0 x4  
Input Interface ..... 1 HDMI; 1 BNC  
Size (without PCI bracket) ..... 140mm x 68.88 mm



## Pro Capture DVI 4K



P/N: 11160



Low Profile  
4K30

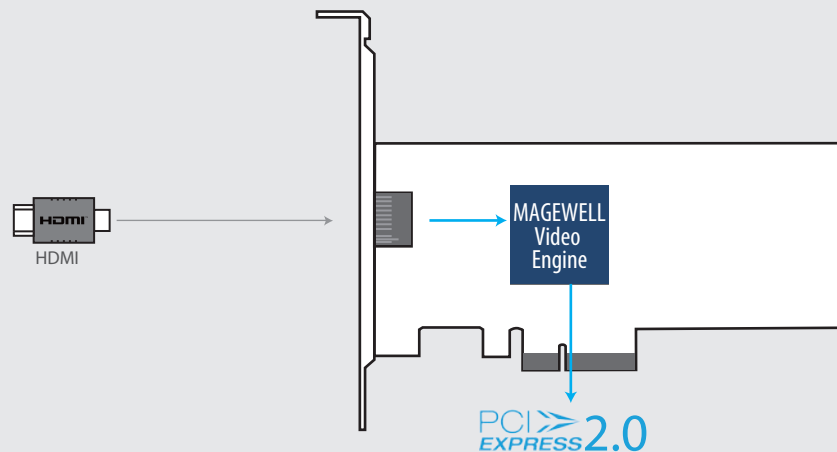


Capture 1 HD (DVI/VGA/HDMI/YPbPr) signal

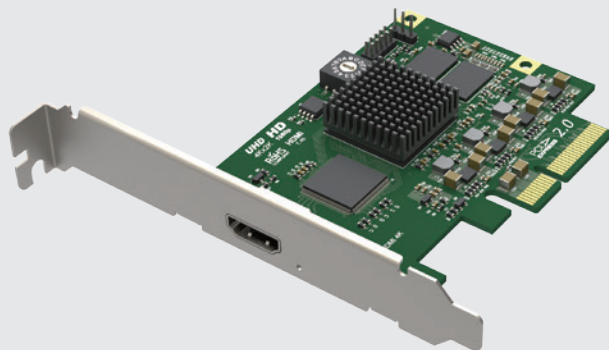
Host Interface ..... PCIe 2.0 x4  
Input Interface ..... 1 DVI-I  
Size (without PCI bracket) ..... 92.76mm x 68.88mm



## Pro Capture HDMI 4K



P/N: 11120



Low Profile  
4K 60  
3D HDMI



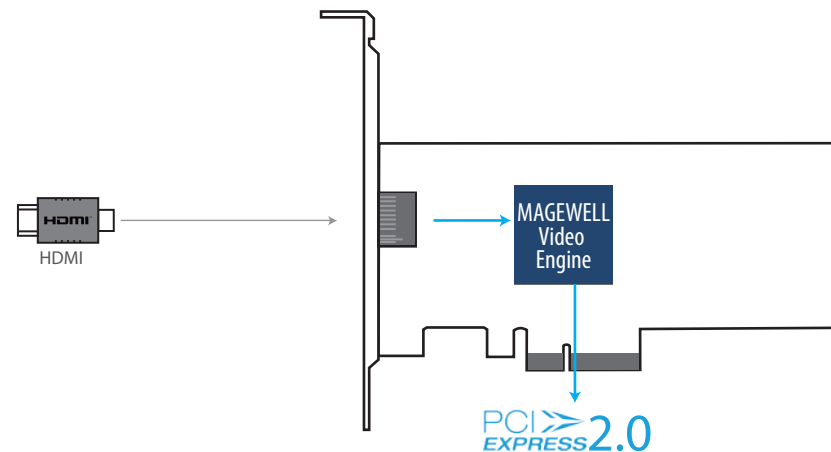
P/N: 91241

### Capture 1 HDMI signal

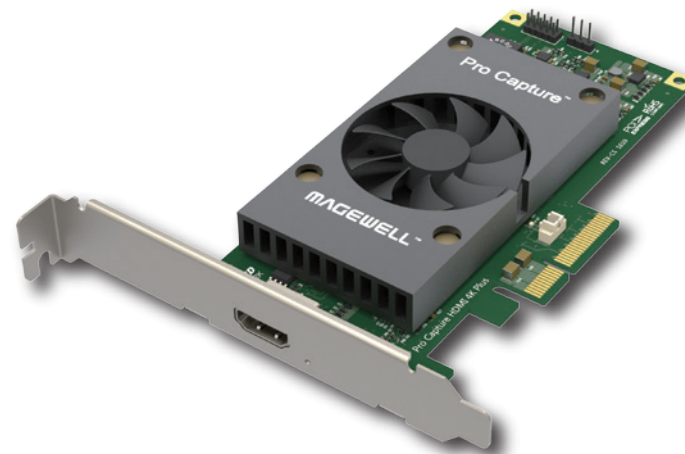
Host Interface . . . . . PCIe 2.0 x4  
 Input Interface . . . . . 1 HDMI  
 Size (without PCI bracket) . . . . . 92.76mm x 68.88mm



## Pro Capture HDMI 4K Plus



P/N: 11150



Low Profile  
4K 60  
3D HDMI



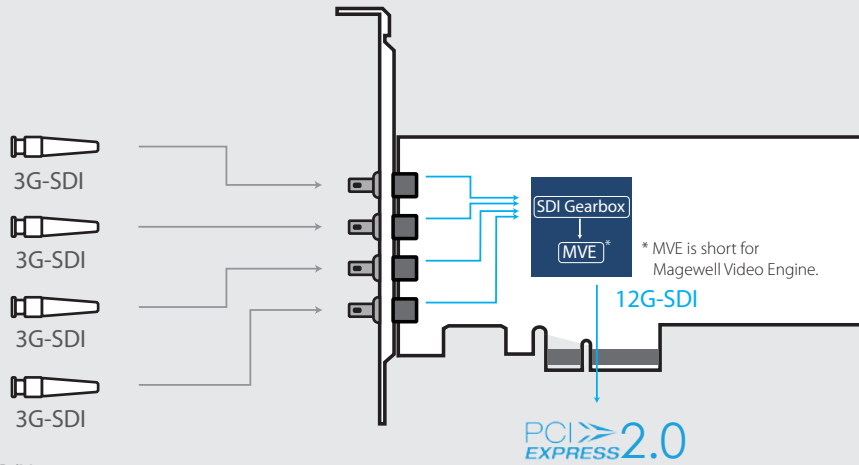
P/N: 91241

### Capture 1 HDMI signal

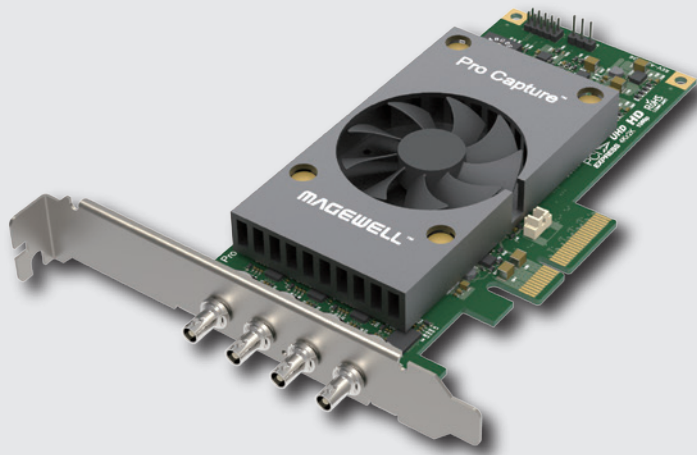
Host Interface . . . . . PCIe 2.0 x4  
 Input Interface . . . . . 1 HDMI  
 Size (without PCI bracket) . . . . . 140 mm x 68.88 mm



## Pro Capture SDI 4K Plus



P/N: 11180



Low Profile

4K60

12G SDI



P/N: 90052

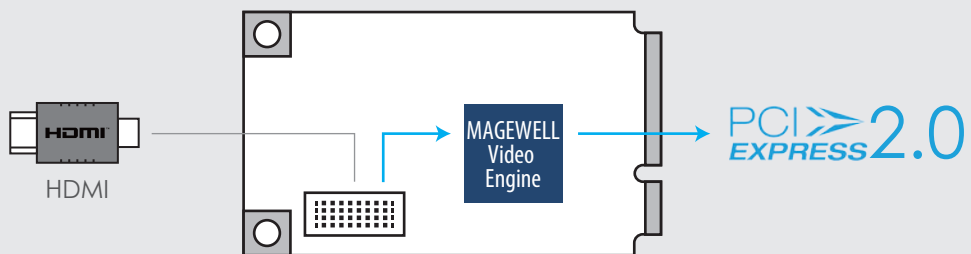
### Capture 4 SDI signal

Host Interface	PCIe Gen2 x4
Input Interface	HD-BNC x4
Size (without PCI bracket)	140mm x 68.88mm

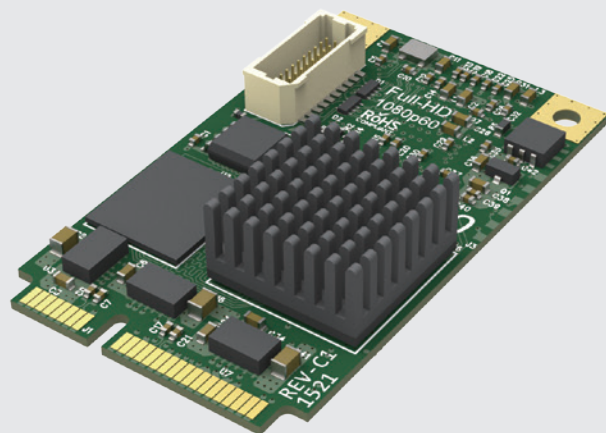


ODM possible upon request.  
Please contact  
[sales@magewell.com](mailto:sales@magewell.com)  
for more information.

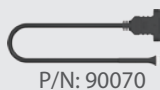
## Pro Capture Mini HDMI



P/N: 11110



2K60  
3D HDMI

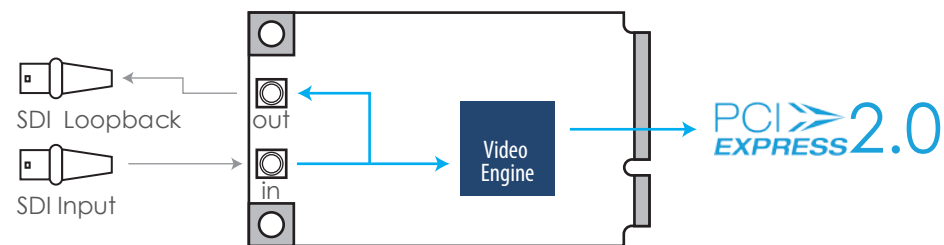


### Capture 1 HDMI

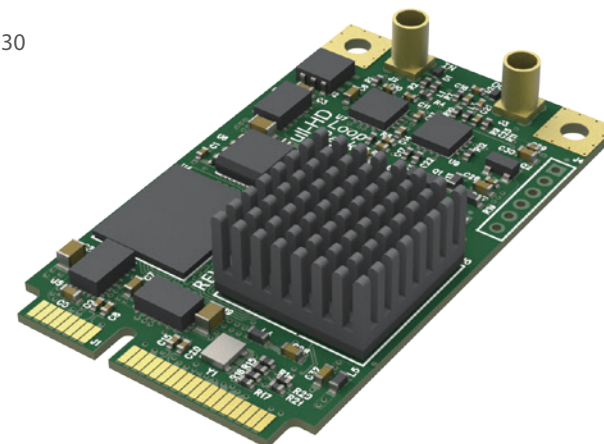
Host Interface ..... Mini PCIe 2.0  
 Input Interface ..... 1 SHD  
 Size ..... 50.95mm x 30.00mm



## Pro Capture Mini SDI



P/N: 11130



2K60



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

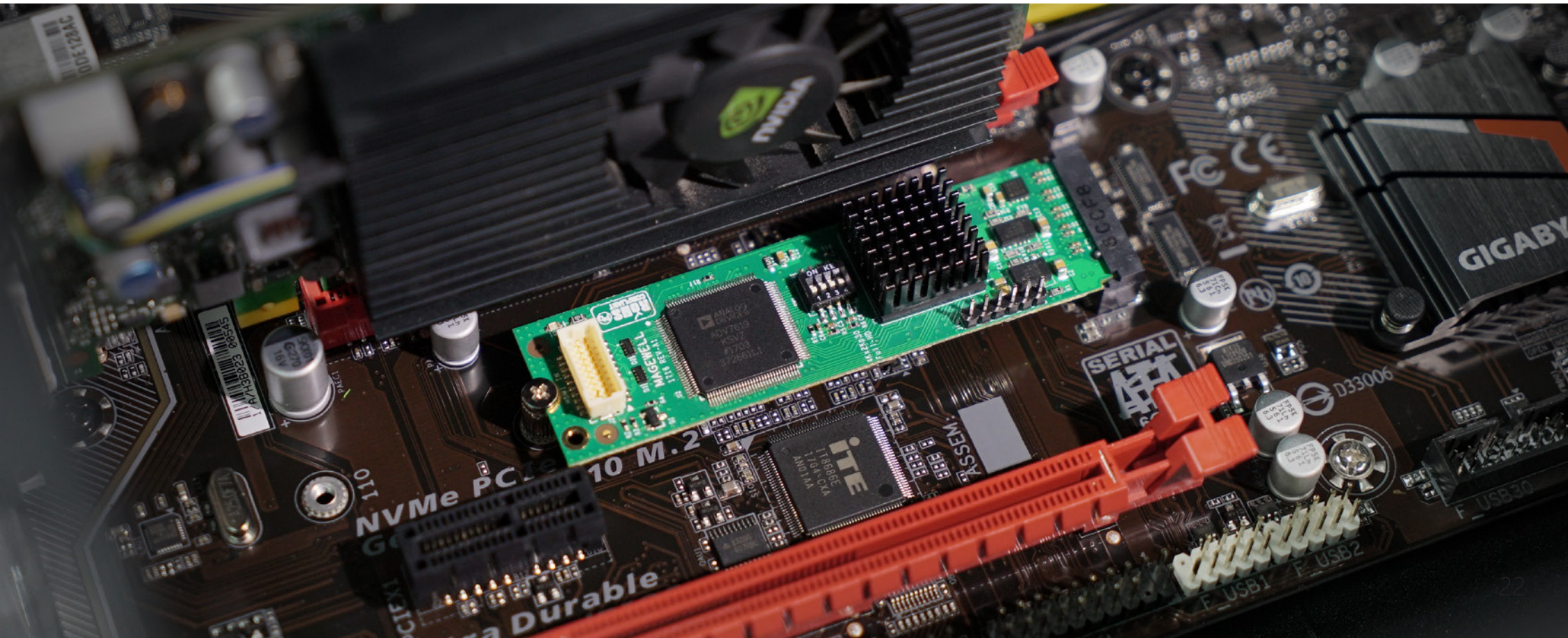
Host Interface ..... Mini PCIe 2.0  
 Input Interface ..... 1 MMCX  
 Loopback Interface ..... 1 MMCX  
 Size ..... 50.95mm x 30.00mm





# Eco Capture Family

Designed for use in small and embedded systems where full-sized PCIe slots are unavailable or impractical, the Eco Capture family of cards complements Magewell's flagship Pro Capture series by offering OEMs and systems integrators a compact capture solution with low power consumption for space-limited applications.

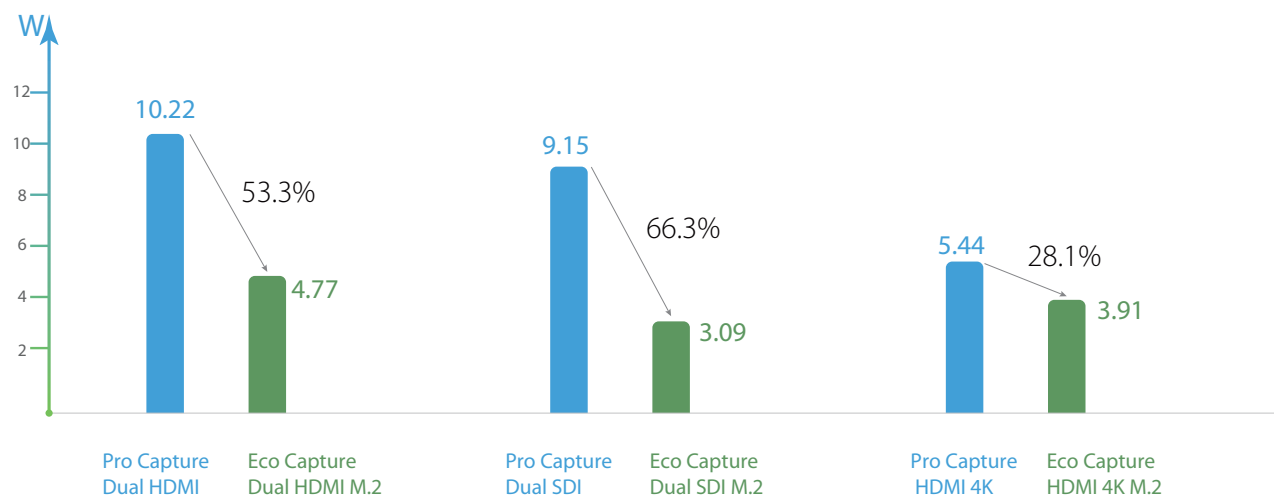




# Low Power Consumption

The power consumption of the Eco Capture cards is 30% to 70% lower (depending on model) than Magewell's Pro Capture cards with similar input signal connectivity.

The products with low power consumption will make it less challenging when users design the heat dissipation system for the chassis.

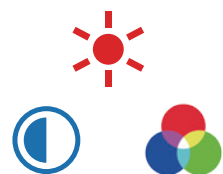


# High-Quality Video Processing

- Video processing functions including up/down-scaling, image control and color space conversion are performed by FPGA with zero impact on CPU usage
- De-interlacing and frame rate conversion provided by driver or third-party software



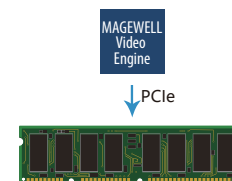
scaling



color adjustment



color space conversion



DMA



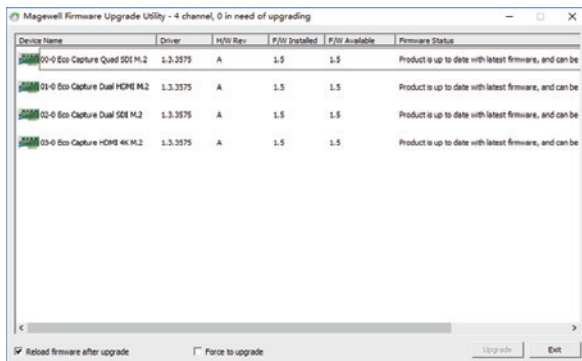
Extra  
CPU Usage

# Multiple Replicated Capture Streams

Stream replication enables each input channel to be delivered to multiple software applications simultaneously with identical capture parameters, enabling concurrent functionality such as encoding, recording and preview through distinct tools. The replication function is FPGA-based so causes no extra CPU usage.



# User-Upgradable Firmware



- Optimize or enhance the card without changing the hardware
- Users can easily upgrade one or multiple cards simultaneously
- Most firmware upgrades are free of charge

# Timestamp & A/V Synchronization

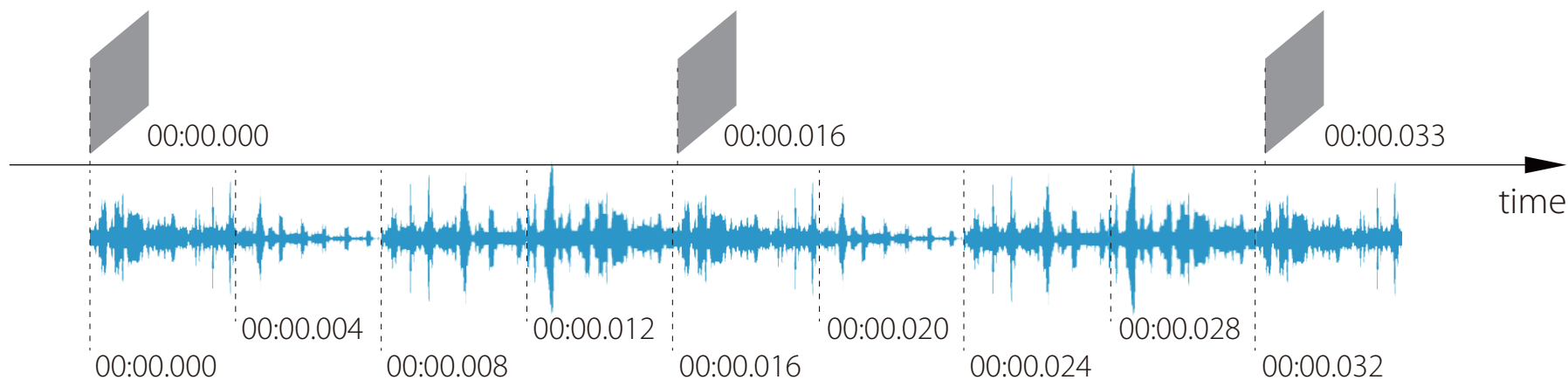
Hardware-based 100ns high-resolution clock

Audio frames (192 audio samples) & video frames are stamped with hardware clock

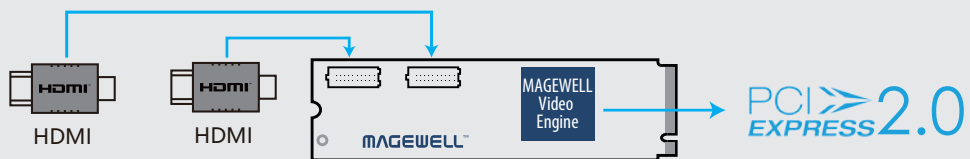
Hardware clock can be synchronized across multiple cards (via SDK)



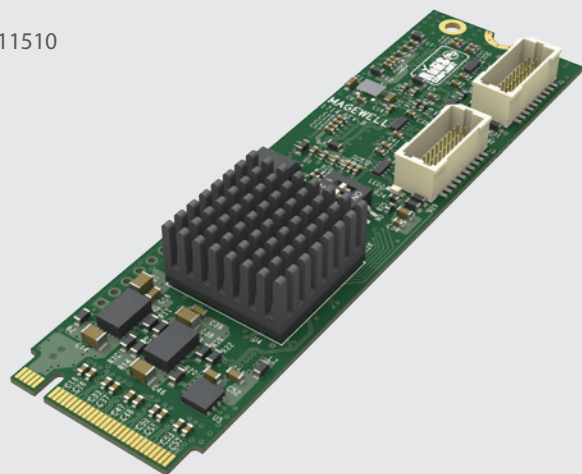
Hardware  
universal  
clock



## Eco Capture Dual HDMI M.2

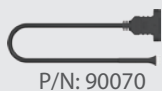


P/N: 11510



2048x2160

3D HDMI



P/N: 90070

### Capture 2 HDMI

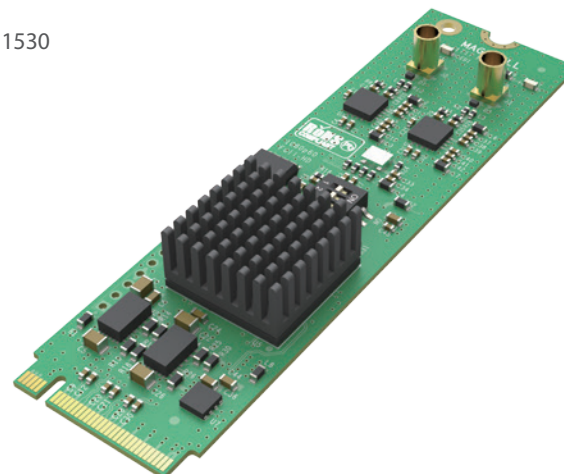
Host Interface	.....	M.2(PCIe Gen2 x4)
Input Interface	.....	1 SHD
Size	.....	22.00mm x 80.00mm



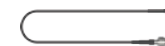
## Eco Capture Dual SDI M.2



P/N: 11530



2K60



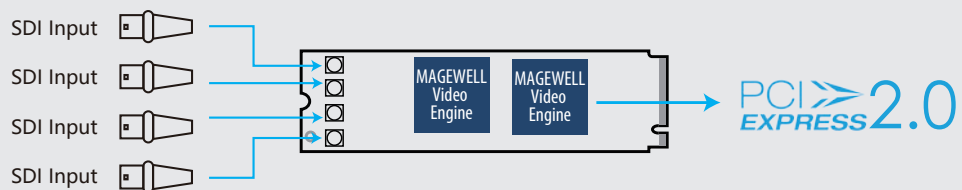
P/N: 90052

### Capture 2 SD/HD/3G/2K SDI

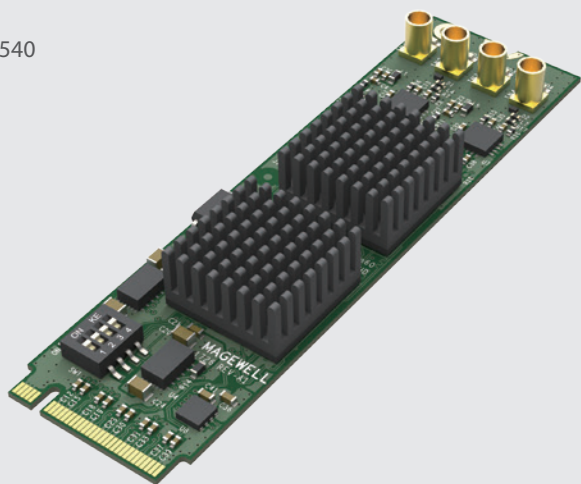
Host Interface	.....	M.2(PCIe Gen2 x2)
Input Interface	.....	2 MMCX
Size	.....	22.00mm x 80.00mm



## Eco Capture Quad SDI M.2



P/N: 11540



2K30



P/N: 90052

### Capture 4 SDI

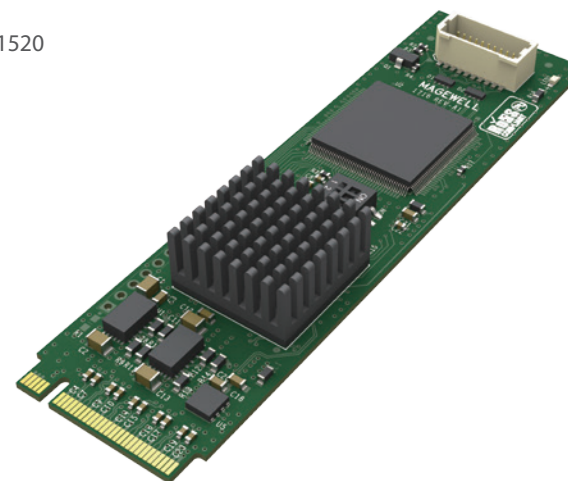
Host Interface ..... M.2(PCIe Gen2 x4)  
 Input Interface ..... 4 MMCX  
 Size ..... 22.00mm x 80.00mm



## Eco Capture HDMI 4K M.2



P/N: 11520



2048x2160

3D HDMI



P/N: 90070

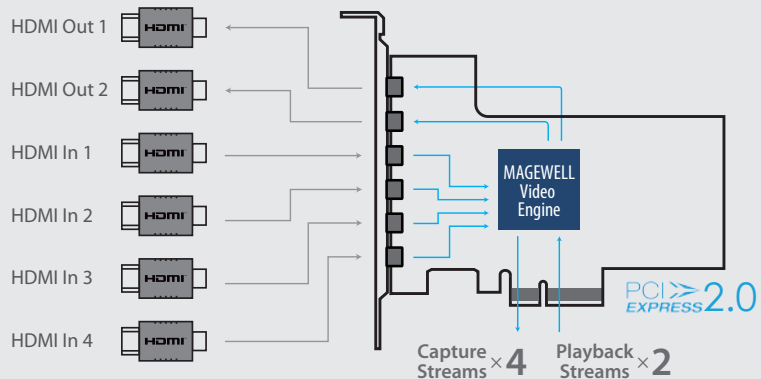
### Capture 2 HDMI

Host Interface ..... M.2(PCIe Gen2 x4)  
 Input Interface ..... 1 SHD  
 Size ..... 22.00mm x 80.00mm

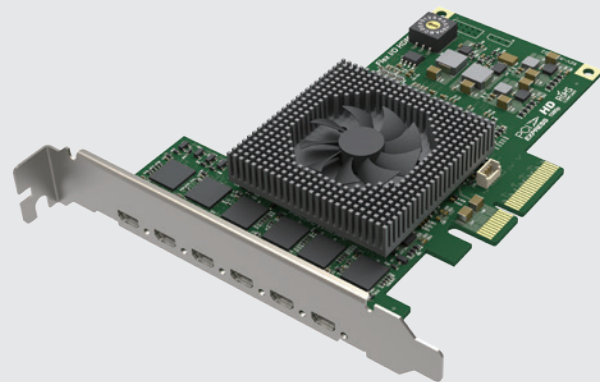




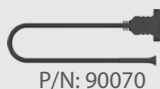
## Flex I/O HDMI 4i2o



P/N: TBD



4K30  
3D HDMI



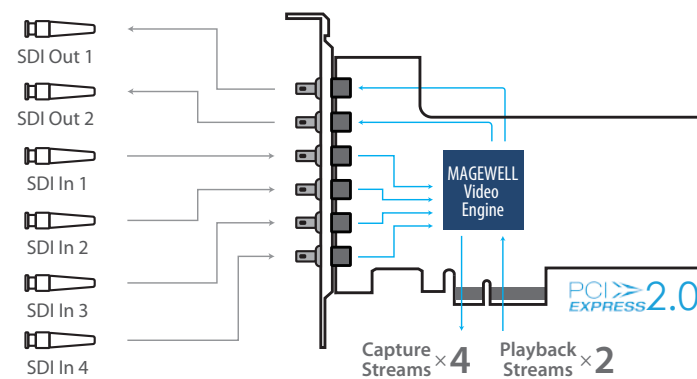
P/N: 90070

### Capture 4 HDMI

Host Interface ..... PCIe Gen2 x4  
 Input Interface ..... micro HDMI  
 Size ..... 123mm x 91mm (without PCI bracket)



## Flex I/O SDI 4i2o



P/N: 12010



2048X1080



P/N: 90052

### Capture 4 SD/HD/3G SDI signal

Host Interface ..... PCIe Gen2 x4  
 Input Interface ..... 4HD-BNC  
 Size ..... 140mm x 91mm (without PCI bracket)



# 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.

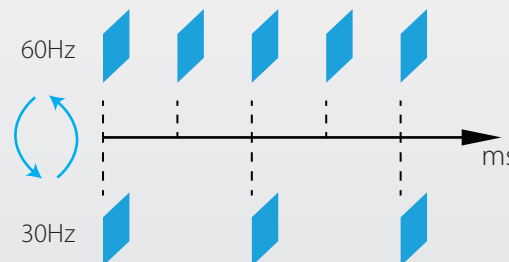
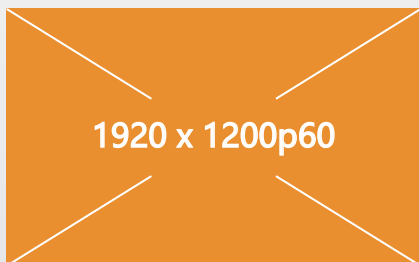
They are compatible with various software with DirectShow architecture. To name a few, xSplit, Streamstar, Vidblaster, VideoStitch, vMix, wirecast, Flash Media Live Encoder, etc.

The dongles run stably on the three major systems, including Windows® (7, 8, 8.1,10), Linux (kernel version 2.6.38 and above), OS X 10.9–10.11, macOS 10.12.



# 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.

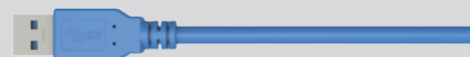


# Reliable and Stable

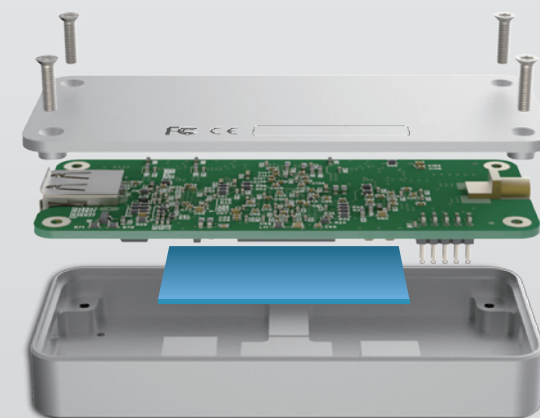
High quality chips and other components are used to ensure accurate video capture. The dongles pass through 7 x 24h continuous high load tests in high and low temperatures (0-50 degrees).

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.

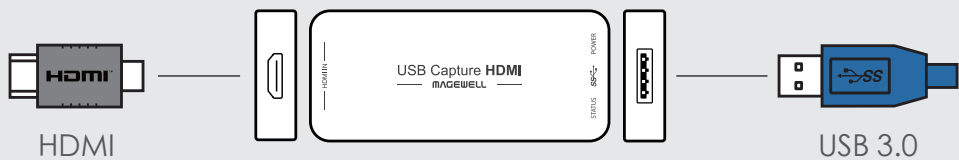


USB 3.0 Port with a Firm Grip



Special Structure to Cool the Chip

## USB Capture HDMI



P/N: 32060  
The original P/N is 32011

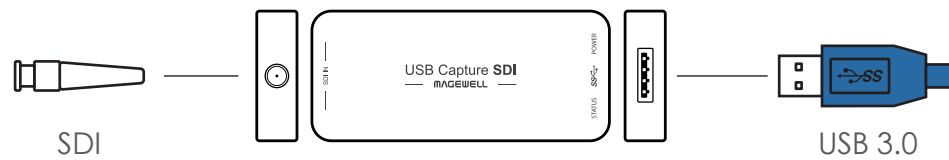


PnP  
**2048X2160**  
P/N: 90062

*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: 32070  
The original P/N is 32021



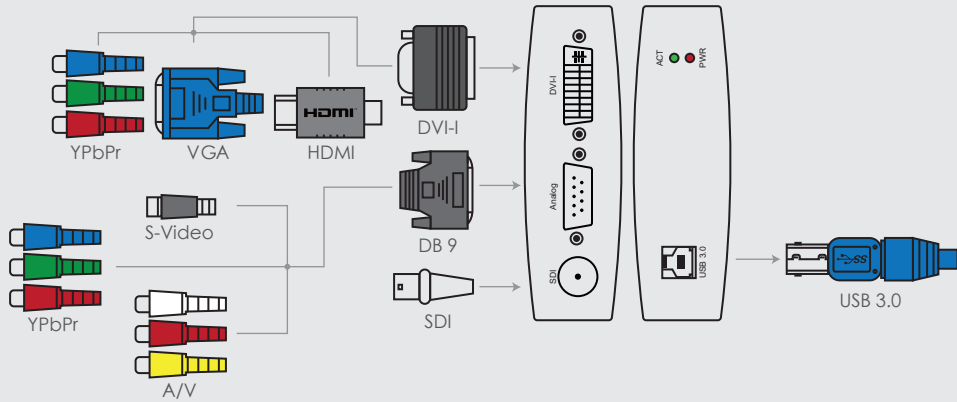
PnP  
**2048X1080**  
P/N: 90062  
P/N: 90050

*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)





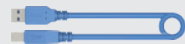
## USB Capture AIO



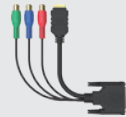
P/N: 32110  
The original P/N is 20171



**PnP**  
**2048X2160**



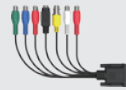
P/N: 90061



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)



ODM possible upon request.  
Please contact  
[sales@magewell.com](mailto:sales@magewell.com)  
for more information.

# 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



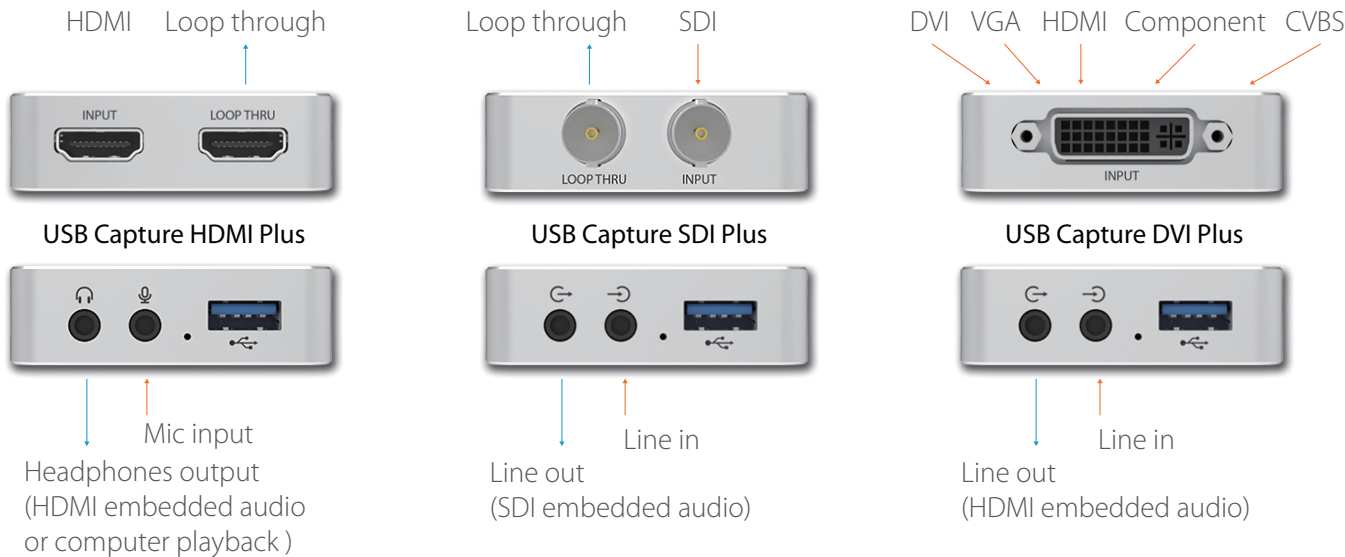
Live streaming of sports

## Game Broadcasting



360-degree video stitching

# Interfaces



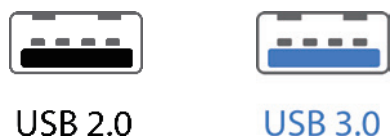
USB Capture HDMI Plus and USB Capture SDI Plus have an input interface as well as a loop through one, which enable monitoring the image while streaming/recording. Different audio input and output functions have also been added to the devices.

# Amazing Compatibility

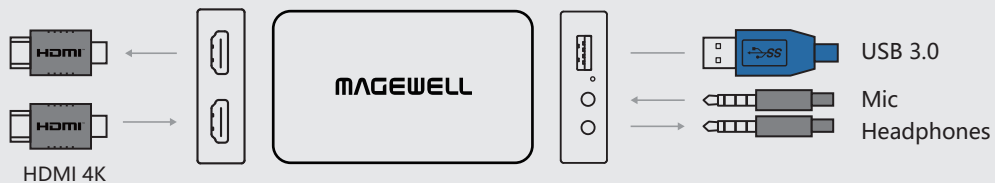
The dongles use USB 3.0 interface and no external power is needed. It also support USB 2.0 port, but the real-time frame rate will be reduced due to limited bandwidth.

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 Capture HDMI Plus

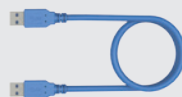


P/N: 32040



PnP

2048X2160



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

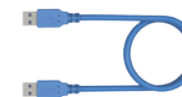


P/N: 32050



PnP

2048X1080



P/N: 90062

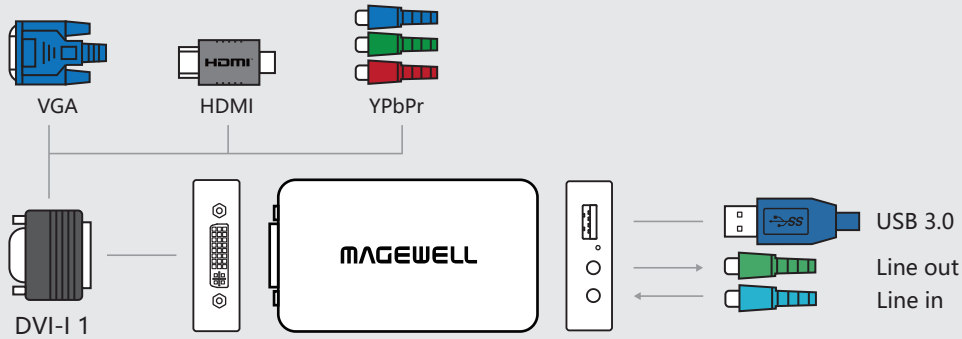
Capture 1 SD/HD/3G/2K SDI signal

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)





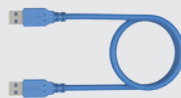
## USB Capture DVI Plus



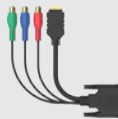
P/N: 32080



PnP  
2048X2160



P/N: 90062



P/N: 90010



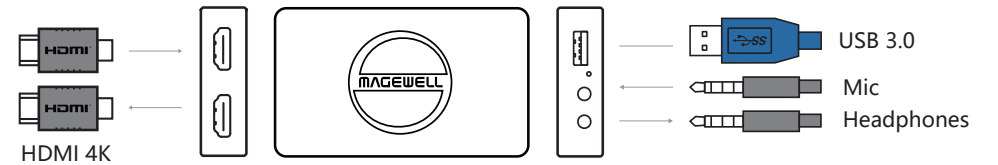
P/N: 90011

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)



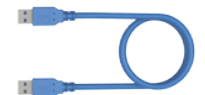
## USB Capture HDMI 4K Plus



P/N: 32090



PnP  
4K60  
HDMI 2.0



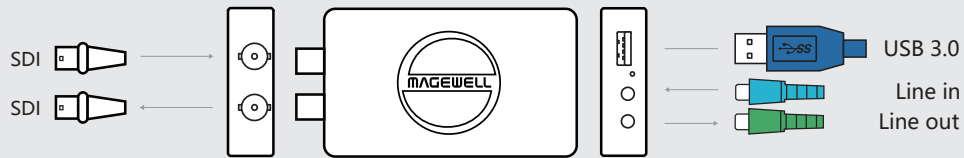
P/N: 90062

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

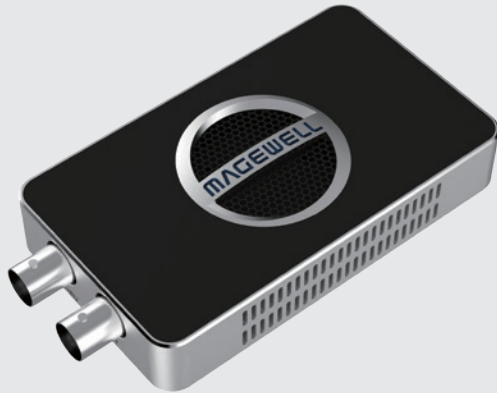
Host Interface ..... USB 3.0  
 Input Interface ..... 1 HDMI  
 Loop-through Interface ..... 1 HDMI  
 Size ..... 98.1mm x 56.8mm x 17mm (L/W/H)



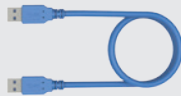
## USB Capture SDI 4K Plus



P/N: 32100



PnP  
4K30  
6GSDI



P/N: 90062

### Capture 1 SDI signal

Host Interface	USB 3.0
Input Interface	1 BNC
Loop-through Interface	1 BNC
Size	110.7mm x 56.80mm x 17.00mm (L/W/H)



ODM possible upon request.  
Please contact  
[sales@magewell.com](mailto:sales@magewell.com)  
for more information.



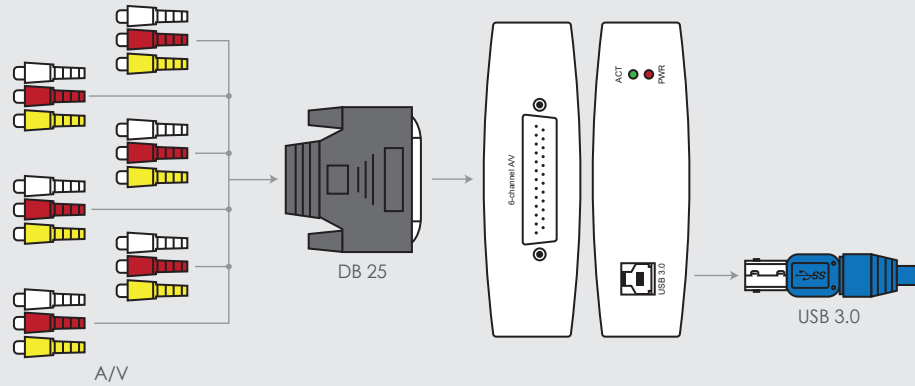


## USB Capture Boxes

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.



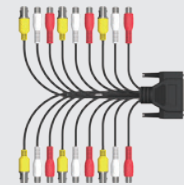
## XI006AUSB



P/N: 20191



P/N: 90061



P/N: 90040



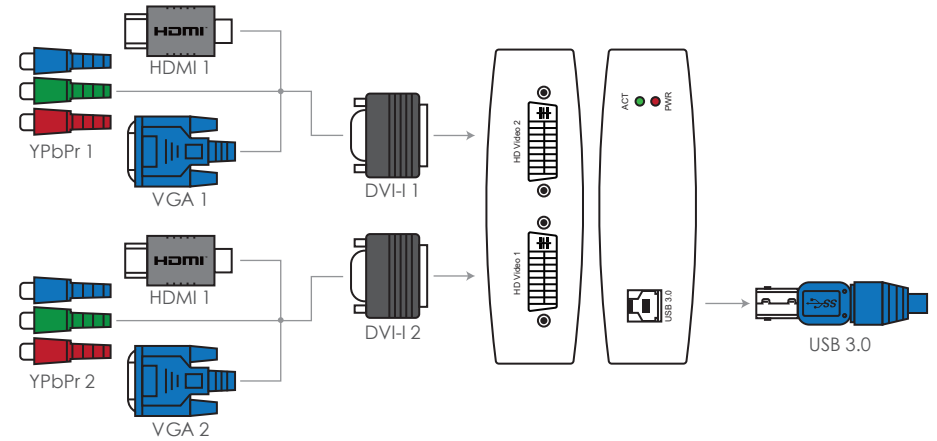
Simultaneously capture 6 A/V signals at D1/30 fps

Host Interface ..... USB 3.0

Input Interface ..... 1 DB25

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

## XI200XUSB



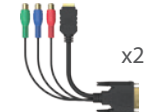
P/N: 20181



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)

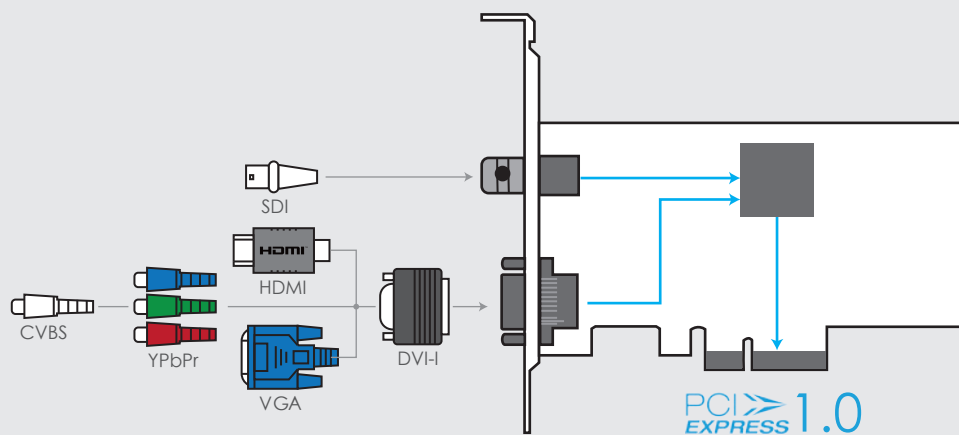
# Legacy Products



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](mailto:sales@magewell.com) for more information.

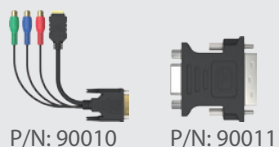
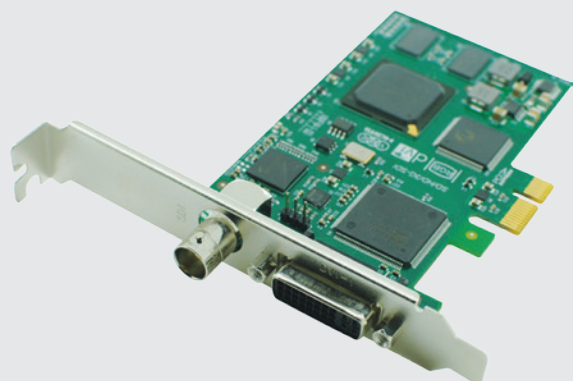


## XI100XE-PRO (Low Profile)



P/N: 10141

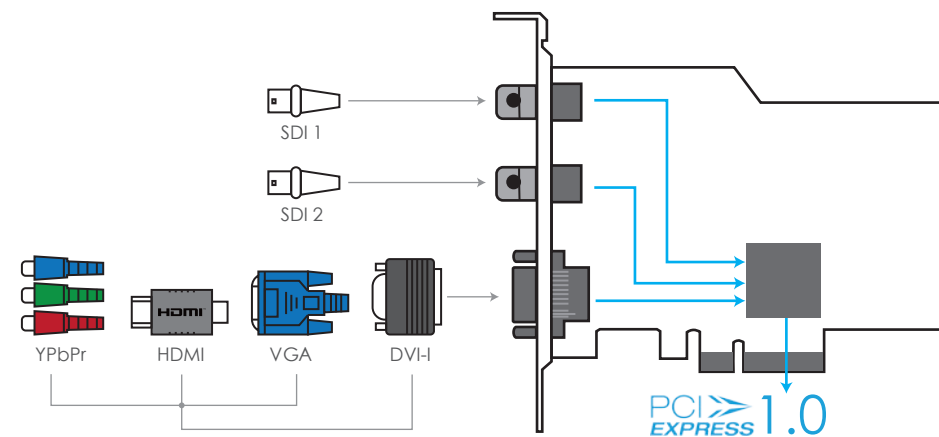
Low Profile  
1080p60



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

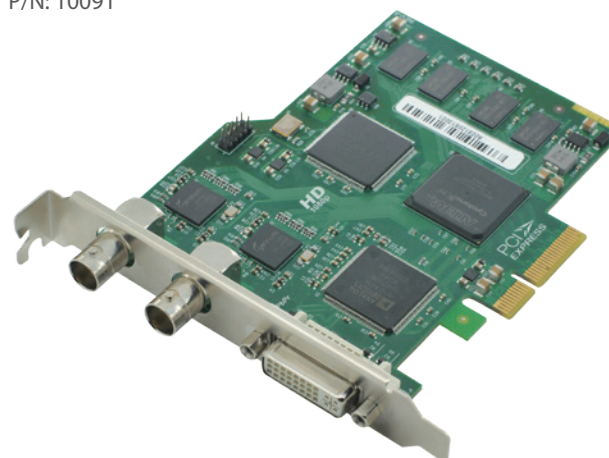


## XI102XE-HD



P/N: 10091

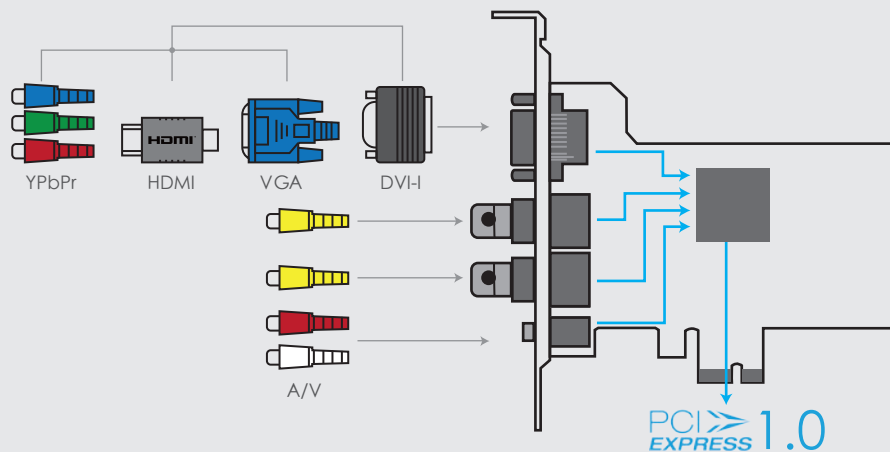
1080p60



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

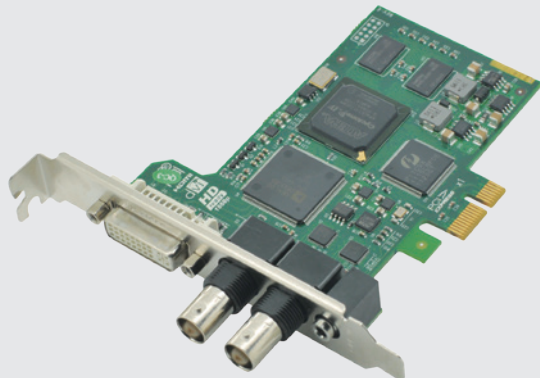


## XI102XE



P/N: 10052

1080p60



P/N: 90010

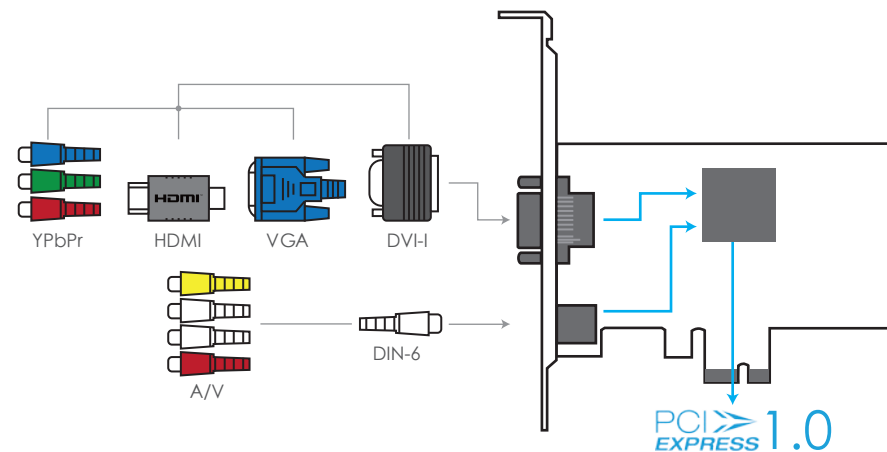


P/N: 90011

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

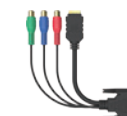


## XI102XE (Low Profile)



P/N: 10051

Low Profile  
 1080p60



P/N: 90010



P/N: 90011



P/N: 90030

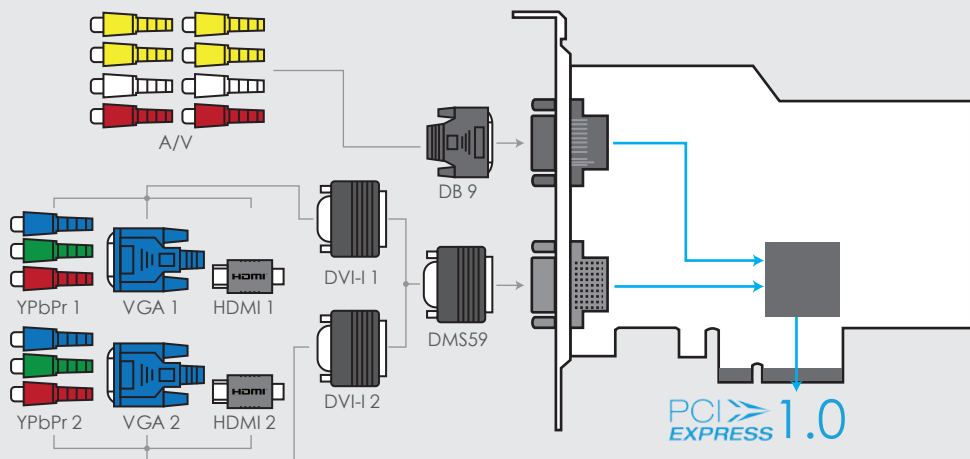


P/N: 91031

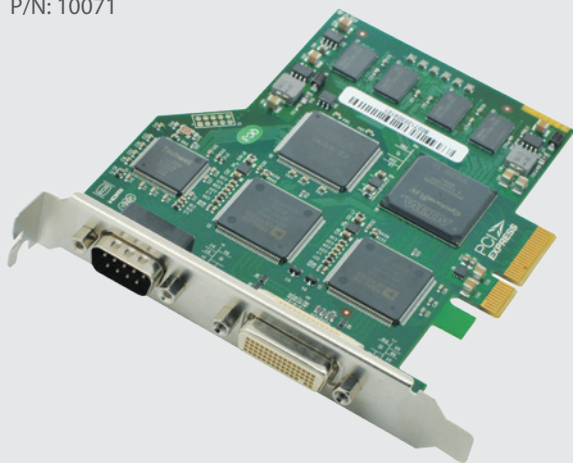
Simultaneously capture 1 HD (DVI/VGA/HDMI/YPbPr) and 2 A/V signals  
 Host Interface ..... PCIe 1.0 x1  
 Input Interface ..... 1 DVI-I; 1 DIN-6  
 Size ..... 102.50mm x 64.50mm



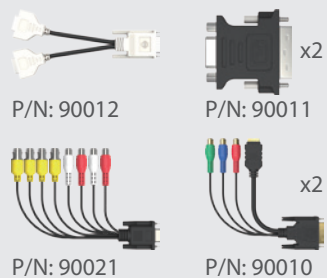
### XI204XE



P/N: 10071



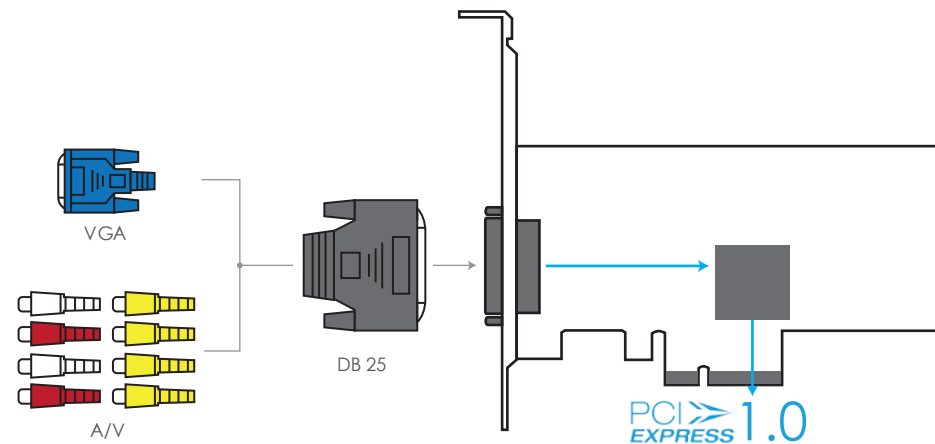
1080p60



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



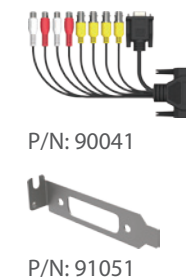
### XI104AE



P/N: 10081



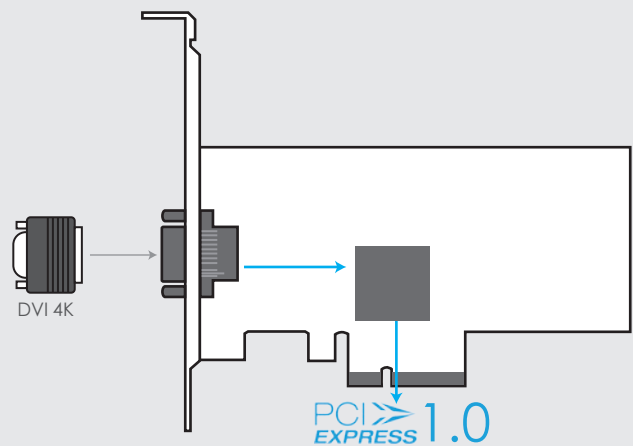
Low Profile  
 1080p60



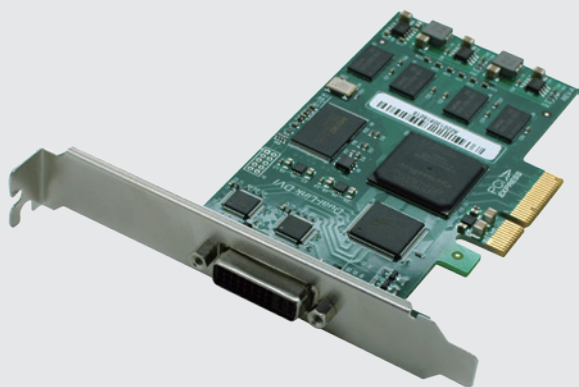
Simultaneously capture 1 VGA and 4 A/V signals  
 Host Interface . . . . . PCIe 1.0 x4  
 Input Interface . . . . . 1 DB25  
 Size . . . . . 126.50mm x 68.90mm



### XI100DE-DVI-4K



P/N: 10201



Low Profile  
4K 30



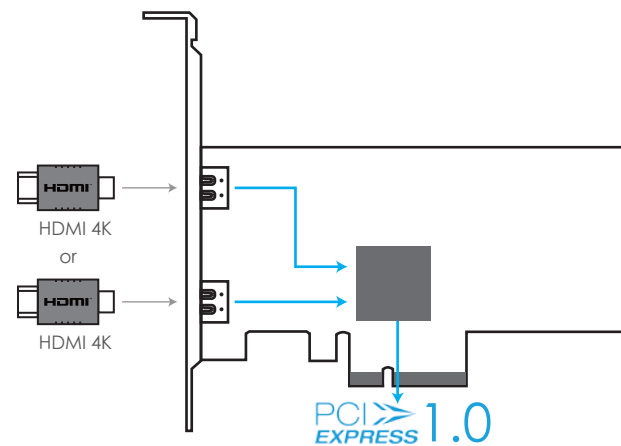
P/N: 91131

Capture 1 4K x 2K Ultra-HD HDMI signal

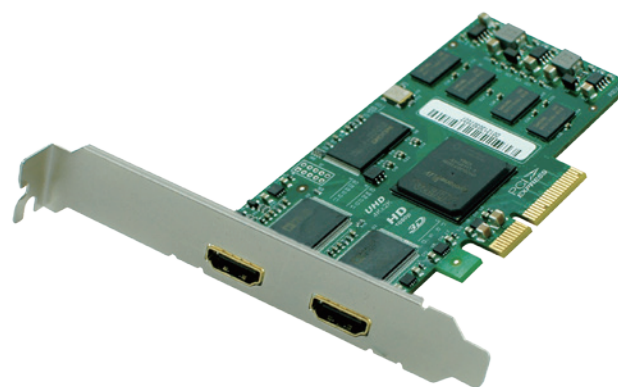
Host Interface . . . . . PCIe 1.0 x4  
Input Interface . . . . . 1 dual-link DVI  
Size . . . . . 115.19mm x 68.88mm



### XI100DE-HDMI-4K



P/N: 10121



Low Profile  
4K 30



P/N: 91091

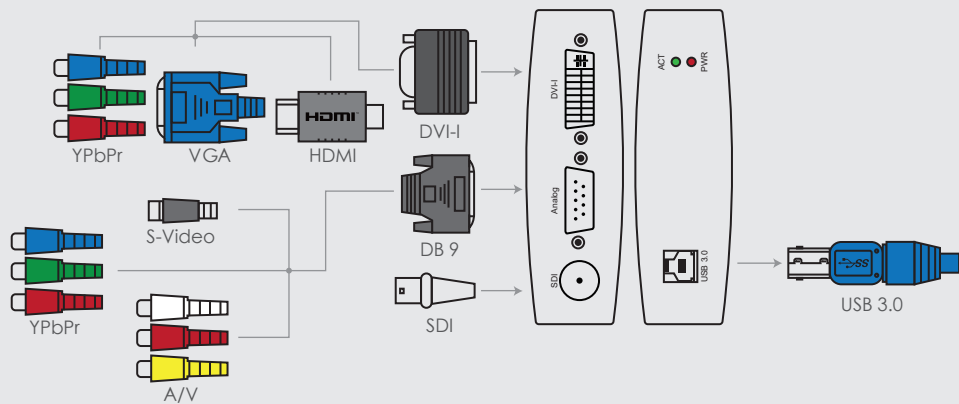
Capture 1 4K x 2K Ultra-HD HDMI and embedded LPCM audio signal

Host Interface . . . . . PCIe 1.0 x4  
Input Interface . . . . . 2 HDMI (select either one of the interfaces)  
Size . . . . . 122.18mm x 68.88mm



## XI100XUSB-PRO

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



P/N: 20171



1080p60



P/N: 90061



P/N: 90010



P/N: 90011

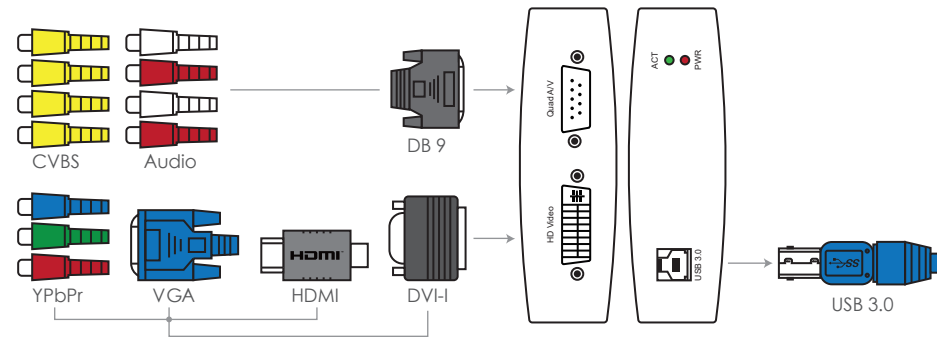


P/N: 90020



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)

## XI104XUSB



P/N: 20111



1080p60



P/N: 90061



P/N: 90010



P/N: 90011



P/N: 90021



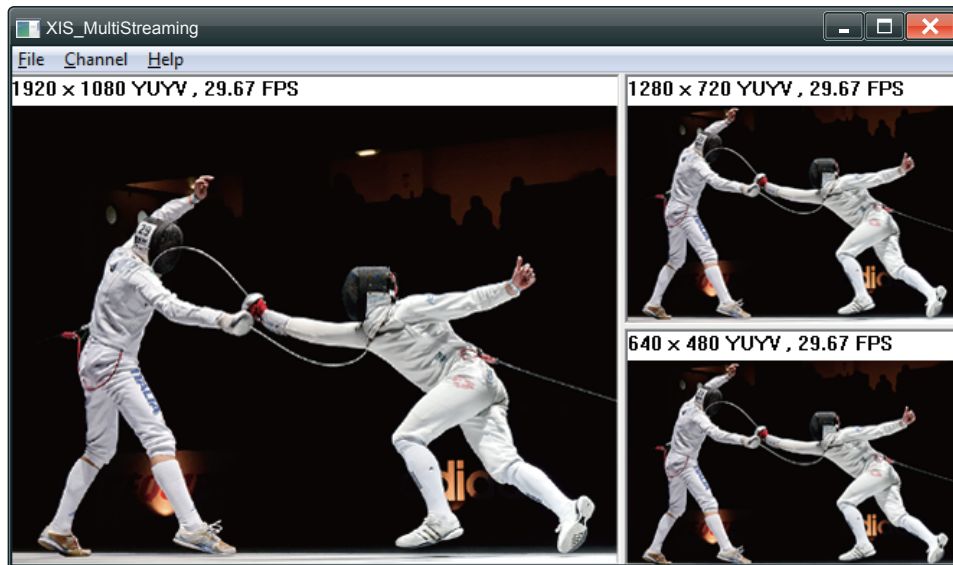
Simultaneously capture 1 HD (DVI/VGA/HDMI/YPbPr) and 4 A/V signals  
 Host Interface ..... USB 3.0  
 Input Interface ..... 1 DVI-I; 1 DB9  
 Size ..... 116mm x 116mm x 33mm (L/W/H)



# SDK for Pro Capture Family

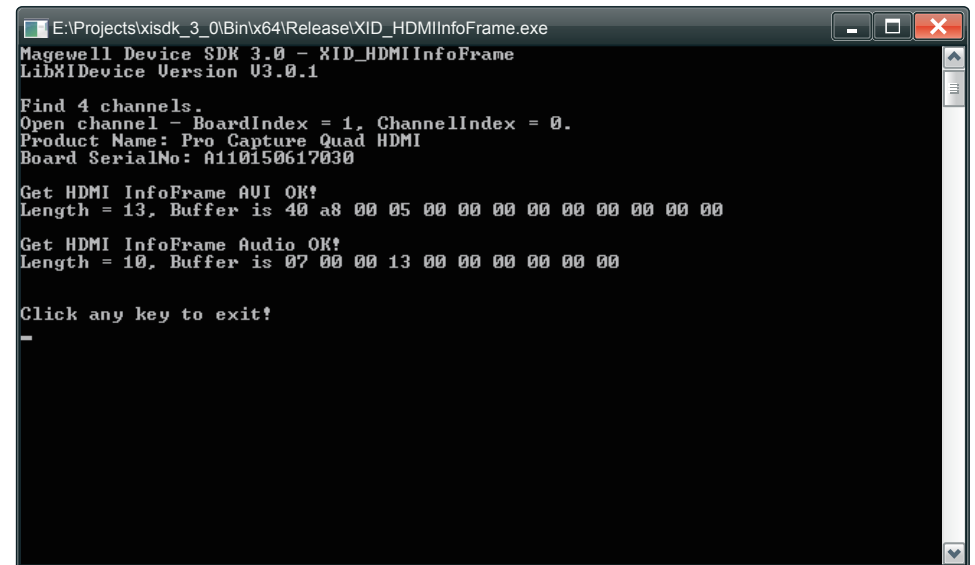
## Features

### 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.

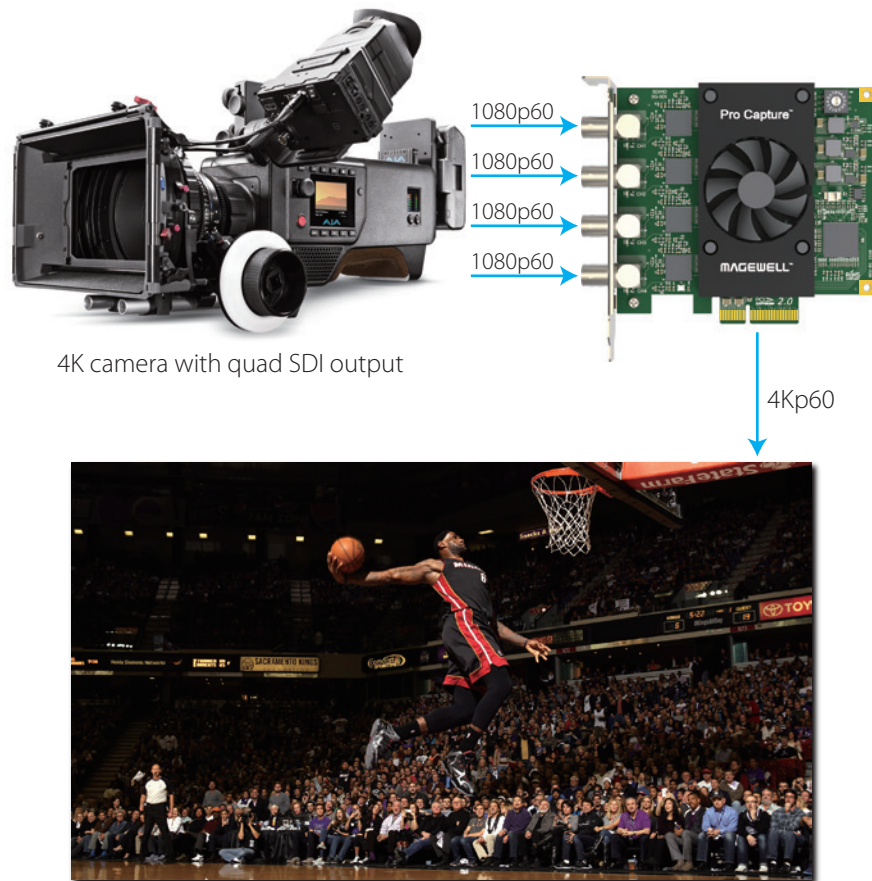
### Obtain Data Package of InfoFrame



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).

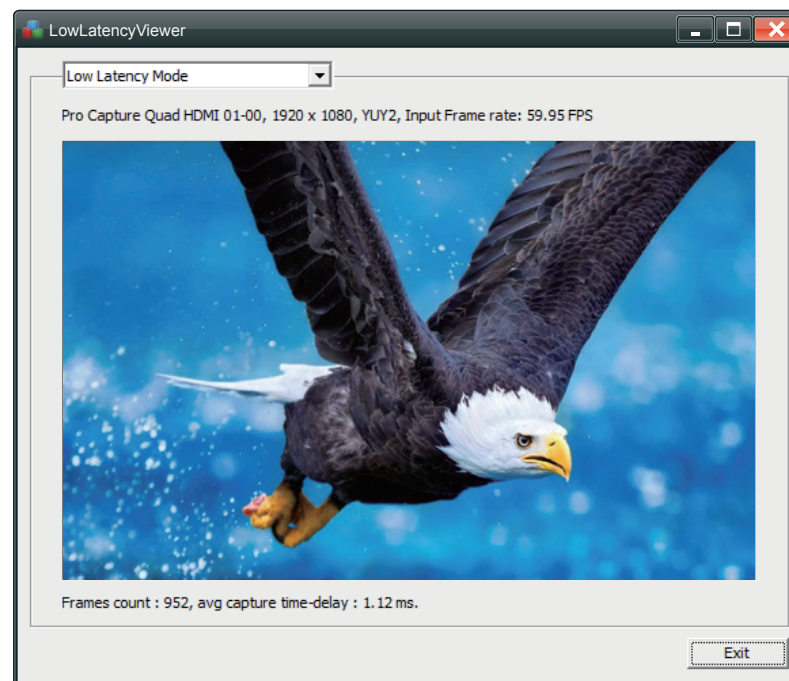
# SDK for Pro Capture Family

## 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.

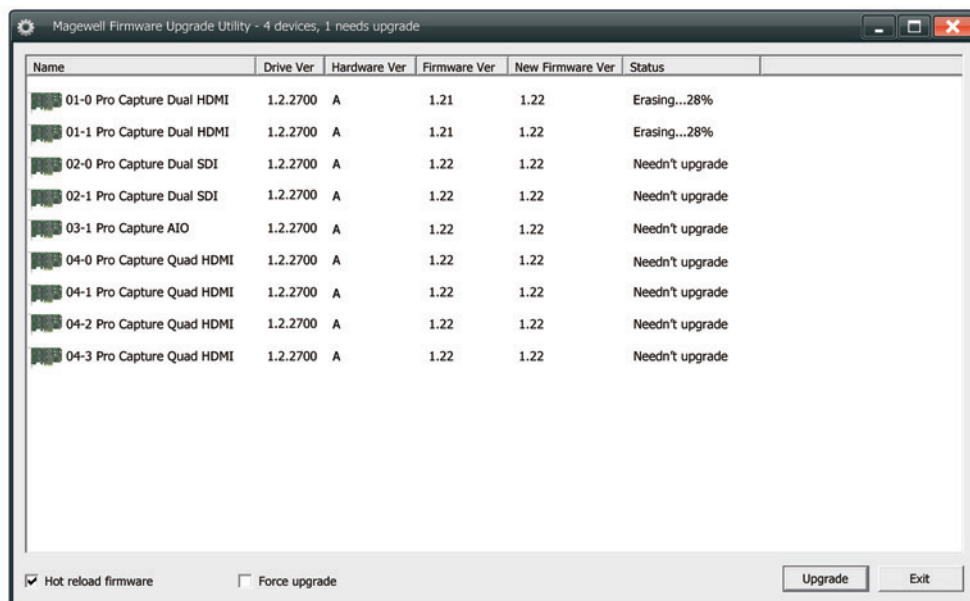
## Super-low Latency Video Transfer



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.

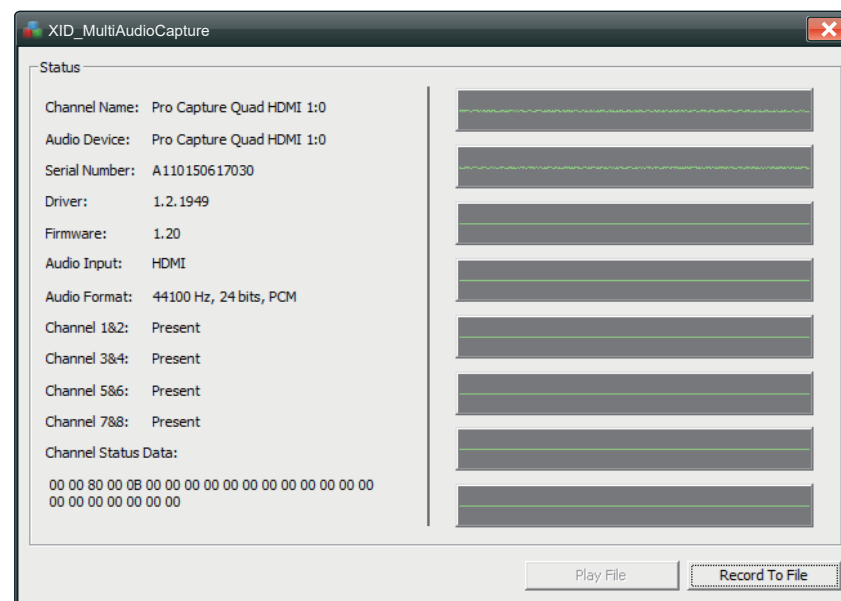
# SDK for Pro Capture Family

## 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.

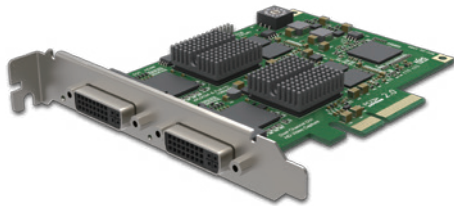
## Capture 8-Channel Audio



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



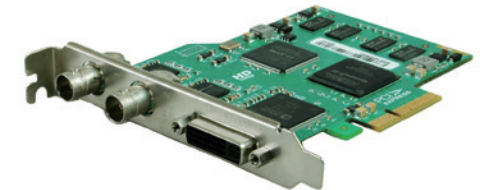
Pro Capture Family



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](http://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](mailto: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  
 XSplit Broadcaster  
 XSplit 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.*

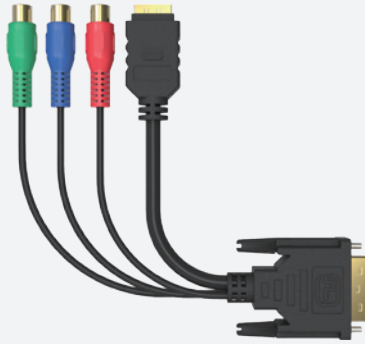
*The underlined software is only compatible with USB Capture Family.*

## 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

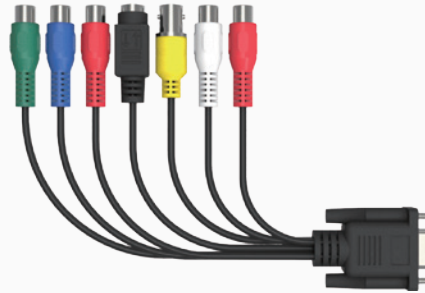


- P/N: 90010
- DVI-I to 1 HDMI + 1 YPbPr breakout

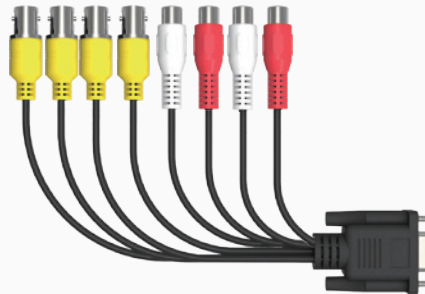


- P/N: 90011
- DVI-I to VGA adapter

## DB9 Breakout

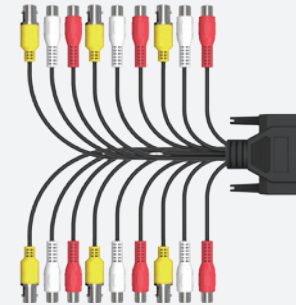


- P/N: 90020
- DB9 to 1 YPbPr + 1 S-Video + 1 A/V breakout

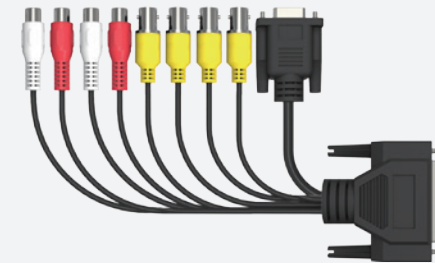


- P/N: 90021
- DB9 to 4 CVBS + 2 stereo audio breakout

## DB25 Breakout



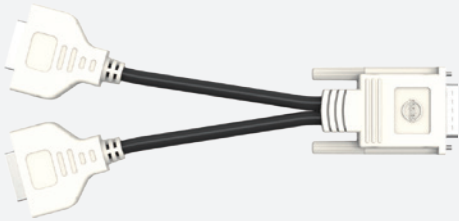
- P/N: 90040
- DB25 to 6 A/V breakout



- 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



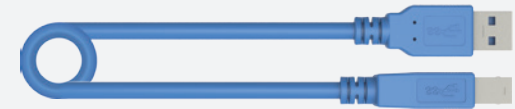
- P/N: 90051
- SMA to BNC (for SDI)

## MMCX Breakout



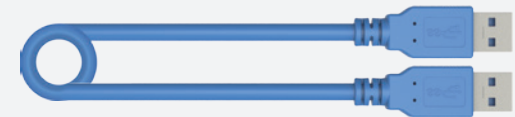
- P/N: 90052
- MMCX to SDI breakout

## 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

# Solutions

Lecture Recording



Video Wall Display



Video Conference



Medical Imaging



IPTV







Twitter



Youtube



Facebook



[sales@magewell.com](mailto:sales@magewell.com)



+86-25-52070647



[www.magewell.com](http://www.magewell.com)