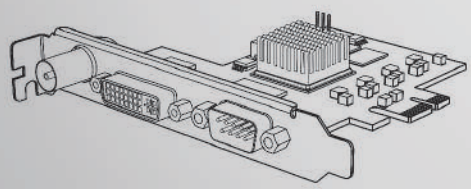
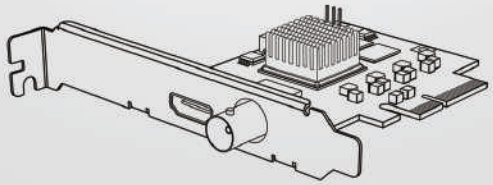
MAGEWELL™
Digital Video Essentials

Pro Capture Family
www.magewell.com/capture/pro-capture

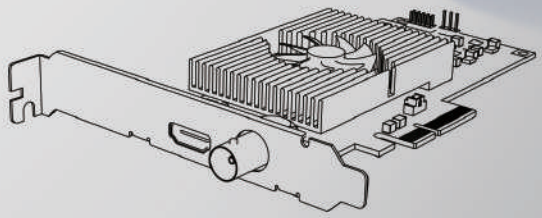
AIO CAPTURE CARDS



Pro Capture AIO
Part number: 11020



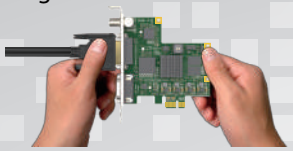
Pro Capture AIO 4K
Part number: 11170



Pro Capture AIO 4K Plus
Part number: 11140

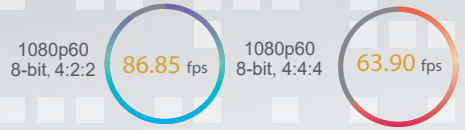
Auto-detection of Input Signal

· No need to choose the type of the input signal when the source is connected



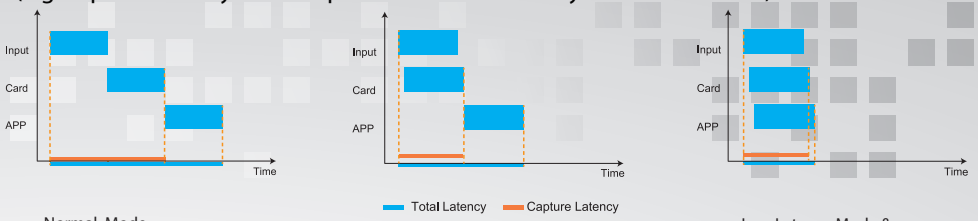
Measured Frame Rate

· PCIe 2.0 interface enables Full HD capture at frame rates exceeding 60fps



Low-latency Mode Minimizes Capture Latency

· Super low video processing and transmission latency may be as low as 64 video lines (e.g. capture latency for 1080p60 RGB and YUV2 may be less than 1ms)



Normal Mode

Low Latency Mode

Low Latency Mode &
Partial Completion Notification

Multiple Simultaneous Streams

· Output each video source as multiple streams to separate applications
· Independent resolution, frame rate and video processing on each stream
· Broadcast, record and preview simultaneously



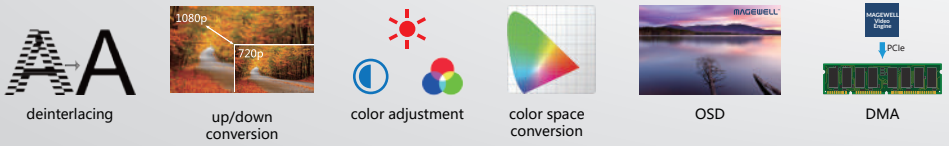
User-Upgradeable Firmware

· 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



CPU-free Video Processing

· Magewell Video Engine delivers high-quality video enhancements
· Hardware-based video processing requires ZERO CPU usage
· 4:4:4, 10-bit RGB and YUV support



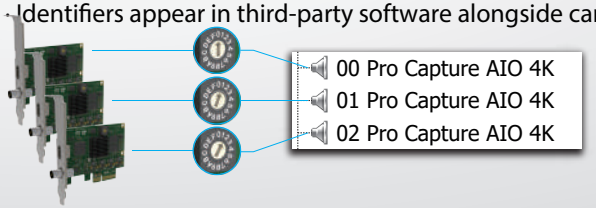
deinterlacing | up/down conversion | color adjustment | color space conversion | OSD | DMA

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

① ② ③ ④ ⑤ ⑥

Multiple Cards in One Computer

· Multiple cards can work simultaneously in one system
· Assign numeric identifiers to each card with a simple rotary switch
· Identifiers appear in third-party software alongside card model names



Use hexadecimal numbers to mark up to 16 cards.

Technical Specifications

	Input Signal	Host Interface	Input Features	Capture Features	Capture Features	Capture Features	Software Compatibility
Pro Capture AIO	one of the followings . SDI/HDMI + embedded audio + analog audio . DVI/VGA/Component/Composite/ S-video + analog audio	PCIe 2.0 x1	12-bit ADC for VGA and component 225MHz HDMI receiver SD/HD/3Ga/3Gb/3Ga-DL/3Gb-DS/6G/12G Typical formats:1080p60/59.94, 1080i60/59.94,1080p30,1080i30,720p60,720p30,SD	Max Resolution: 2048x2048 Max Frame Rate: 144fps The actual figure may be limited by PCIe bandwidth and the pixel clock of the on-board video processing engine.	Capture color spaces: 4:2:0, 8-bit: NV12, I420, YV12 4:2:2, 8-bit: YUY2, YUYV, UYVY 4:4:4, 8-bit: V308, IYU2, V408, BGR24, BGR32 4:4:4, 10-bit: V410, Y410 More are available when SDK for Windows v3.x is used.	. Windows (x86 and x64) 10/7/8/8.1/2008/2008R2/ 2012/2016 · Linux (x86, x64 & ARM) · OS X 10.9–10.11 · macOS 10.12/10.13	Compatible with most software based on DirectShow architecture, such as Windows Media Encoder, Adobe Flash Media Live Encoder, OBS, VLC, Wirecast, XSplit, vMix, VideoStitch, Skype, etc.
Pro Capture AIO 4K	one of the following . SDI + embedded audio . HDMI + embedded audio	PCIe 2.0 x4	594MHz HDMI SD/HD/3Ga/3Gb/3Ga-DL/ 3Gb-DS/6G/12G Typical formats: 2160p60/30(4K&UHD),1080p60/59.94,1080ip60/ 59.94,1080p30,1080i30,720p60,720p30,SD	Max Resolution: 4096x2160 Max Frame Rate: 144fps The actual figure may be limited by PCIe bandwidth and the pixel clock of the on-board video processing engine.			
Pro Capture AIO 4K Plus	one of the following . SDI + embedded audio . HDMI + embedded audio	PCIe 2.0 x4					

sales@magewell.com
+86-25-52070647
www.magewell.com