



MAGEWELL

2026 PRODUCT CATALOG

A world map with a dark blue background. A network of glowing blue and red dots is connected by white and dashed white curved lines, representing global connections. A prominent red dot is located in East Asia, with several white lines radiating from it to other blue dots across the globe. Dashed white lines also connect dots in North America, Europe, and South America. A text box on the left contains the title.

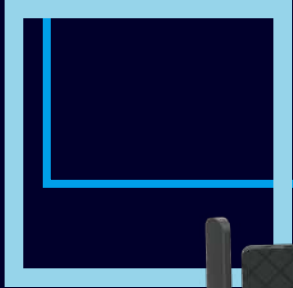
The Introduction Company

Founded in 2011, Magewell designs and develops hardware and software for video and audio capture, conversion and streaming in the broadcast, production and professional AV markets. Magewell provides products and technical services to users and OEM manufacturers from more than 50 countries and regions including the Americas, Europe, China, Oceania, Japan, South Korea, and Southeast Asia through its global channel partners.

The Introduction Company



Magewell combines ease of use and reliability with deep software and hardware expertise, integrating FPGA, SoC, and ASIC technologies with CPU and GPU processing to deliver efficient, low-latency multi-channel AV capture, encoding, and delivery. This innovation-driven approach has earned broad industry recognition, including the Streaming Media Readers' Choice Award and Xilinx's Best Application honor.



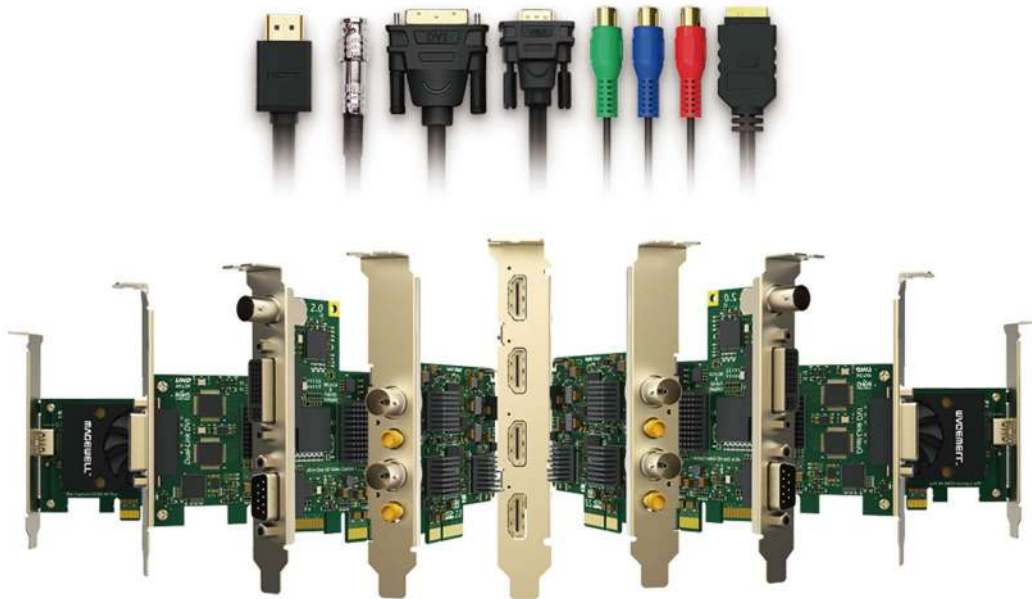
Magewell designs and develops four main product families—I/O, Stream, Convert, and Produce/Present—together with software utilities to bridge and manage any source to anywhere. Spanning capture, streaming, encoding, IP conversion, production, and presentation, Magewell solutions connect software, displays, and AV equipment in the densities and form factors customers require.



Product Introduction

I/O

Magewell's award-winning video capture solutions have become the preferred choice of users and integrators by delivering an unparalleled combination of performance, reliability, and value. Available as internal cards or external devices with flexible interface and resolution choices to suit any application, they support popular operating systems and offer extensive compatibility with third-party production, web conferencing, recording, streaming and presentation software. Magewell also offers streamlined application software and a comprehensive SDK.

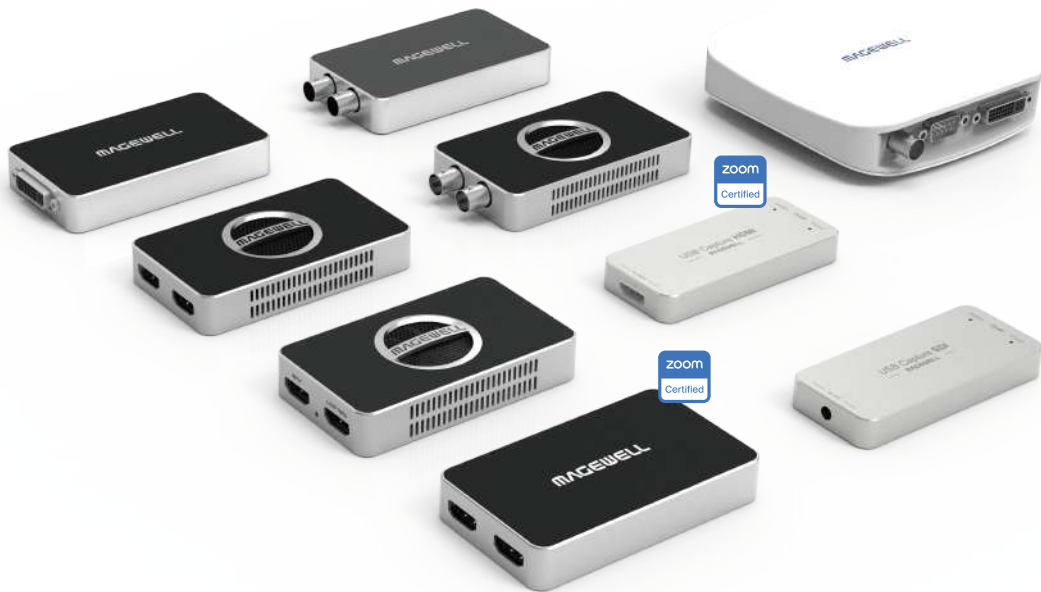


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Pro Capture

Available in single and multi-channel models with a wide selection of input interfaces, Pro Capture PCI Express cards are ideal for use in desktop computers. The cards' FPGA-based video processing engine provides high-quality up/down-conversion (resolution and frame rate) with zero impact on the host system CPU. In addition to generic programming interfaces, Magewell also offers custom APIs to achieve lower-latency capture and synchronization as well as other advanced functions.

- Compatible with Windows, Linux and macOS.
- High-performance, multi-channel 4K or HD capture at high frame rates.
- Latency as low as 64 video lines.

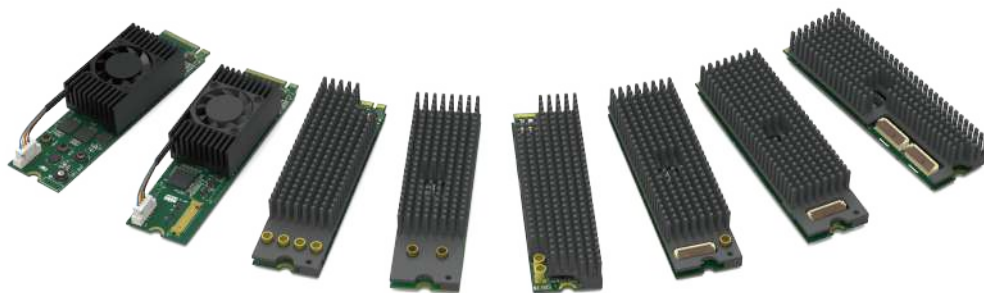


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USB Capture

USB Capture, USB Capture Plus and USB Capture Pro external devices offer a full range of input interface choices and enable all types of computers including laptops to capture HD or 4K signals through a standard USB connection. USB Capture dongles are available in multiple models to support most common digital and analog signals at resolutions ranging from SD (720x480) to 1080p HD (1920x1080) and 4K (4096x2160). The preferred choice of video professionals, systems integrators and third-party application developers, the devices are the easiest and most reliable way to bring video and audio signals into popular software.

- Compatible with Windows, Linux and Mac OS.
- USB connectivity for data transmission & power supply.
- Automatic input format detection and driver-free installation for true plug-and-play operation.



Eco Capture

Ideal for use in small or portable systems where full-sized PCIe slots are not available, Eco Capture M.2 cards measure just 22x80mm (0.87x3.15in) and are available in a variety of configurations with HDMI or SDI inputs. The cards' FPGA-based video processing engine and SG-DMA transmission mode effectively reduce CPU usage.

- Compatible with Windows and Linux.
- Ultra-compact capture for up to four HD signals or one 4Kp60 signal.
- Low power consumption and low latency.



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Product Introduction

Stream

Magewell offers a choice of streaming encoders to match users' experience level and project. Ultra Stream encoders make live streaming remarkably simple even for non-technical users, enabling them to stream or record high-quality video with one click. For advanced streaming needs, the Ultra Encode family of universal live media encoders offers systems integrators, streaming professionals and OEM partners a flexible and affordable encoding solution for applications including live streaming, AV over IP, remote contribution, IP production workflows and much more.

Stream



the 2020
streaming media
producer



Ultra Stream

Available in HDMI and SDI models, Ultra Stream encoders enable users to record and stream high-quality video with one click using on-device buttons. Operators can also use a browser-based web interface or an intuitive smartphone app to configure the devices and monitor the streaming content. Magewell provides rich APIs for developers and integrators to integrate Ultra Stream with their solutions.

- Stream to popular third-party services or custom destinations via RTMP, RTMPS or RTSP.
- Record and save clips to internal storage, a USB flash drive, the associated smart phone or a specified FTP server.
- Internet connectivity via wired Ethernet, Wi-Fi and optional 3G/4G modem support.



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Stream



Ultra Encode

The Ultra Encode family of live media encoders offers systems integrators, streaming professionals and OEM partners a powerful range of flexible, reliable and cost-effective encoding solutions for applications including live streaming, AV over IP, remote contribution, IP production and workflows and much more.

- Encode one-channel HDMI or SDI up to 4Kp30.
- NDI® HX encoding for bandwidth-efficient IP production workflows or AV-over-IP.
- Live H.264/H.265 streaming in protocols including SRT, Zixi, RTMP, RTMPS, HLS and more.
- Stream to up to 6 simultaneous destinations in multiple protocols at maximum 32Mbps.
- Scheduled streaming and recording is made possible.



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NDI® is a registered trademark of Vizrt NDI AB.



Product Introduction

Convert

Leveraging advanced video-over-IP and streaming technologies, Magewell's low-latency Pro Convert hardware encoders and decoders are available with a variety of inputs to let users connect existing production, presentation, and distribution equipment into flexible, IP-based workflows over standard local area networks and the Internet.

Convert



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Pro Convert Encoders & Decoders

The Pro Convert family of hardware converters enables users to bring HDMI or SDI video signals into and out of AV-over-IP workflows using NewTek's popular NDI technology. Pro Convert decoders can also decode Internet streams including SRT, RTMP, RTSP, MPEG-TS over UDP/ RTP and HTTP. The devices support up to 4Kp60 encoding and decoding, and are compatible with a wide range of video/audio signals and baseband AV equipment.

- End-to-end, total latency as low as 50ms when pairing Pro Convert NDI[®] encoders and decoders.
- Powerful video processing and stellar-quality video & audio.
- Multi-channel audio encoding and decoding.
- Decoders support multiple streaming protocols.
- APIs available for systems integration.

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Convert



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Pro Convert IP to USB

It is a plug-and-play device that brings an NDI®, NDI® HX or other IP sources into software through a USB interface, which is ideal for use in conference rooms and production studios where users' software does not natively support IP protocols and the installation of additional software is not permitted.

- Supports NDI® High Bandwidth, NDI® HX2, or NDI® HX3 sources or H.264/H.265 streams in protocols including RTMP, RTSP, RTP, UDP, SRT and HTTP.
- Capture as uncompressed YUY2/NV12 video up to 1080p60 or MJPEG video up to 1080p30.
- Supports DHCP for automatic network configuration.
- Control PTZ cameras via NDI® or Visca over UDP.

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Pro Convert IP to HDMI

The first in a new generation of products that builds upon the versatility and reliability of Convert, Pro Convert IP to HDMI is a portable and PoE/PoE+ powered device that decodes up to four IP streams into a single HDR 10-compatible QHD HDMI output in preset single, dual and quad layouts together with other new features, protocols and refreshed UI.

- Support NDI® High Bandwidth, NDI® HX, NDI® HX2, NDI® HX3, SRT, TS over RTP/UDP, RTMP, RTSP, HLS, ZIXI protocols.
- Decode and output 1 stream up to 2560x1440p60.
- Video preview is provided via real-time stream or MJPEG thumbnails.

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Convert



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Pro Convert Audio family

Pro Convert Audio devices bring the power and flexibility of the Pro Convert family to the audio-over-IP domain. These multi-format IP audio encoder/decoder/IO devices enable easy conversion between different IP audio technologies while also offering a seamless bridge between analog audio, software, and IP networks.

- Convert between different audio-over-IP technologies or capture analog audio into software or IP streams.
- Flexible, virtual audio matrix allows routing or mixing of any analog or IP-based input channel to any output.
- Enables mixed-technology local and remote production workflows and Pro AV installations.
- Standard UAC compatibility with popular video conferencing, streaming and production software.
- Pro Convert Audio DX: supports Dante[®], NDI[®], SRT and analog audio.
- Pro Convert AES67: supports AES67, NDI[®], SRT and analog audio.

NDI[®] is a registered trademark of Vizrt NDI AB. Dante[®] is a registered trademark of Audinate Pty Ltd.



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Modator

The Modator family brings the reliability and low-latency performance of the Magewell's standalone encoders and decoders to a high-density, modular, rackmount form factor. The Modator 2U chassis fits standard rack deployments and supports up to 10 Modator modules.

- Each installed encoding or decoding module independently provides high-quality conversion.
- Dual power supplies and optimized heat dissipation for 24/7 operation.
- LED touch screen provides status monitoring of the chassis and modules.

Current Modator modules include:

- Pro Convert HDMI Plus Module (NDI® High Bandwidth encoder)
- Pro Convert HDMI 4K Plus Module (NDI® High Bandwidth encoder)
- Pro Convert 12G SDI 4K Plus Module (NDI® High Bandwidth encoder)
- Ultra Encode SDI Plus Module (NDI® HX and streaming encoder)
- Ultra Encode HDMI Plus Module (NDI® HX and streaming encoder)
- Pro Convert for NDI® to HDMI Module (multi-format decoder)
- Pro Convert for NDI® to AIO Module (multi-format decoder)
- Pro Convert for NDI® to HDMI 4K Module (multi-format decoder)

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Product Introduction

Produce & Present

Magewell's feature-rich production and presentation solutions enable users to easily create visually compelling content. The Director family portable, all-in-one live production and streaming system combines multi-input switching, graphics, streaming, recording and monitoring in one compact device for compelling live events, remote feeds and more. The USB Fusion capture and mixing device lets users combine cameras, wired and wireless screenshares, and media file sources into attractive live presentations for hybrid meetings, remote lectures, webinars and more.

Produce & Present



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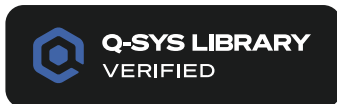


Director

The Director family redefines live production and streaming, combining multi-input switching, graphics, streaming, recording, and monitoring in complete, all-in-one solutions. Designed for versatility, Director solutions feature an intuitive touchscreen interface and compact design that make them ideal for both on-the-go and studio productions. With flexible connectivity options and powerful performance, the Director family empowers creators to deliver visually compelling live events and remote feeds with ease and reliability.

- Multi-input switching, graphics, streaming, recording and monitoring in one portable device.
- Flexible AV and IP inputs including HDMI, USB, NDI® High Bandwidth, NDI® HX, SRT, mobile sources and more.
- Rich output possibilities including RTMP and SRT streams, NDI® HX and local displays.
- Intuitive touchscreen interface and companion mobile app.
- Camera-mountable form factor supports optional, hot-swappable batteries.

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USB Fusion

Offering two HDMI inputs and one USB webcam input, the USB Fusion multi-input video capture device also supports wireless casting protocols including AirPlay®, Google Cast® and Miracast™. Users can switch between cameras, wired or wireless screenshares, and file-based sources, or to combine inputs in picture-in-picture or side-by-side layouts for capturing into popular software via its USB 3.0 interface. The device is suitable for streaming, live event production, online lectures, webinars, video conferencing and other applications.

- Compatible with Windows, Linux and macOS.
- Automatic input format detection and driver-free installation.
- Standard UVC/UAC device offering broad compatibility with popular software.
- Tablet app for advanced presentation features including annotations and media files.

SDK



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MWCCapture SDK

The MWCCapture SDK offers comprehensive APIs and sample applications that help developers maximize the capabilities of Magewell capture hardware to reduce the 'heavy lifting' required by the computers' CPUs. The SDK includes Windows, Linux and Mac versions and not only provides Magewell custom APIs, but also supports generic interfaces including DirectShow, DirectKS, V4L2 and AVCaptureSession.

- Super-low-latency data transfer.
- Multi-channel and multi-stream capture with independent setting of each stream's frame rate.
- Synchronize channels across multi-channel or even multiple capture cards.
- Define and obtain Ancillary Data (ANC).
- Capture, encode and render HDR10 video.
- Color space conversion.
- Capture 8-Channel Audio.
- GPU-accelerated video encoding.



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Software Tools

Magewell provides simple applications and software tools to help users easily take advantage of Magewell devices and access advanced functions.

- Capture Express -- a simple, dedicated tool for previewing, recording or streaming one input source from Magewell capture devices.
- USB Capture Utility -- enables users of Magewell USB Capture (Plus) devices to set capture parameters, upgrade firmware, and export troubleshooting information.
- Plugin for Premiere® -- gives users direct access to Magewell capture devices through Adobe® Premiere® Pro for recording video and audio.
- Ultra Stream App -- allows users to configure the devices and control recording, previewing and streaming functions.
- USB Fusion App -- provides expanded control and additional presentation features for USB Fusion multi-input capture and mixing devices.
- Director Utility app -- works as a remote assistant to provide remote configuration. It can also turn the smartphone's camera into a streaming source as a mobile input to the Director family hardware.



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Control Hub

The Control Hub centralized management software makes it easy for systems integrators, administrators and IT staff to manage multiple Magewell streaming and IP conversion devices across several locations. Deployed on-premises or in the cloud, Control Hub can also convert streams between multiple protocols with an exceptionally flexible stream routing architecture.

- Centrally manage multiple Magewell streaming and IP conversion devices.
- Remotely configure device parameters, monitor device status, trigger operational functions and perform firmware upgrades.
- Convert streams between RTMP, SRT (in caller or listener mode), RTSP and transport streams (delivered over UDP or RTP).

Nanjing Magewell Electronics Co., Ltd.

No. 68-66 Suyuan Avenue, Jiangning Economic and Technological
Development Zone, Nanjing, China



www.magewell.com



sales@magewell.com



marketing@magewell.com