Magewell Unveils NDI Hardware Decoder

Written by Frederick Douglas
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Magwell presents the Pro Convert AIO RX-- a hardware-based NDI decoder able to convert live NDI streams into high-quality SDI or HDMI outputs for connection to baseband devices such as monitors and projectors.

The low-latency decoder simplifies the use of the NewTek media-over-IP technology in applications such as digital signage and video walls. Just as Pro Convert decoders enable users to connect SDI- or HDMI-based video sources such as cameras into flexible IP-based production infrastructures, the AIO RX lets customers output any NDI stream to baseband presentation or distribution equipment. It can also integrate legacy equipment such as switches into NDI-enabled production workflows, or enable long-distance transport of audio, video and PoE over a single IP network cable when paired with an NDI encoder.

The compact, plug-and-play AIO RX features DHCP-based automatic network configuration. A browser-based interface provides access to status monitoring and advanced features such as FPGA-based up/down/cross-conversion. Two on-device buttons enable users to select source content and match the output format to the target display without need for a computer. One is for choosing between all NDI streams available on the network, while the other is for picking a preset output resolution and frame rate.

The converter decodes NDI streams and outputs them at resolutions of up to 1080p. Users wishing to decode and output 4K NDI streams can do so with either the HDMI 4K Plus or SDI 4K Plus encoder/decoder models. Users of the HDMI 4K Plus, SDI 4K Plus, HDMI Plus and SDI Plus encoders can also add decoding abilities through a firmware update allowing one to switch the units between encoding and decoding modes through the browser-based interface.

The AIO RX ships on Q2 2019.

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