

Short FAQs about Pro Convert

Update Date: September 8, 2020

1. Which kind of video stream do Pro Convert devices output? Full NDI® or NDI®/HX?

Pro Convert NDI® decoders support both full NDI® and NDI HX in NDI 4.x; Pro Convert encoders only support full NDI®.

2. Is it complicated to set up the network configuration for the Pro Convert device?

You only need to ensure that the Pro Convert device and other devices in your NDI® workflow are in the same LAN (preferably a dedicated network) , then the Pro Convert device automatically gets the IP address over the DHCP network.

If your network is not DHCP, please refer to <http://www.magewell.com/kb/005030002/detail> to log in to the Web UI and then go to "System > Network > ETHERNET" to set IP address manually.

3. Can Pro Convert devices work across network segments?

Yes. This feature is provided.

4. Does Magewell provide an SDK for Pro Convert?

Yes. We provide HTTP-based API documentations and example codes to help developers easily use the interfaces and control Pro Convert devices.

5. What is the latency from encoding to rendering when using Pro Convert device to transmit 1080p30 signal?

During the processes of capturing video, NDI® encoding, transmission, NDI® decoding and rendering, the Pro Convert device is affected by network state, switches, decoders, and displays. Ideally, for a Magewell codec, delay when processing 1080p60 signals is about 47 ms, you can refer to <http://www.magewell.com/blog/22/detail>. We recommend that you use hardware-only switches and monitors to avoid delays that brought by the operating system. If you use the Magewell Pro Convert NDI® decoding product, you can also use the device's Web UI to reduce the video buffer to further reduce the latency of the entire workflow and refer to <http://www.magewell.com/blog/20/detail> for details.



6. Is it possible to decode the NDI® stream emitted by another device using Magewell Pro Convert device?

Yes. The Pro Convert NDI® decoder can decode Full NDI®, NDI®|HX, and NDI®|HX2 streams sent from software or hardware encoding devices.

