



## MediaDS™

The MediaDS is a revolutionary real-time media encoding and live streaming video delivery platform—the first integrated production system establishing a direct link between the producers who create content and the viewers that consume it. A fully integrated hardware and software solution merging NewTek’s industry-leading live production technology with powerful Wowza™ streaming software, it democratizes video encoding and streaming for producers of live and linear programming, introducing a myriad of new opportunities for distribution, expansion and content monetization.

Launch your own multi-channel content network, and freely flex your organization’s media communications from internal audiences on your local network to worldwide populations over the Internet. With the effortless enterprise deployment of the MediaDS, live streaming video from your productions, presentations and live events can be delivered directly from the source to the screens of your viewers—wherever they watch.

### At A Glance

#### • Seamless Integration

Stream content supplied through SDI hardware connections, over IP via NDI™, NewTek’s innovative Network Device Interface technology, or from other sources that include TCP/IP, webcams and USB capture devices.

#### • Universal Workflow

Integrate into any video infrastructure, using source types interchangeably with flawless, multi-format processing and support for emerging transmission standards, up to and including 3G 1080p.

#### • Stackable and Scalable

Incorporate multiple MediaDS units into your installation to add discrete channels, or combine resources by cascading streaming signals between systems to boost performance and expand delivery potential.

#### • Multi-Platform Delivery

Customize your streaming media strategy to achieve maximum viewership, choosing from a variety of delivery targets, popular streaming services and websites, or configuring your own custom destinations.

#### • Signature Experience

Brand each stream independently with a customizable webpage available per channel supporting HTML and CSS editing and embed codes for the hosted media player.

#### • Quality Control

Monitor all video streams in real time or focus on a specific channel full-screen, with an integrated multiviewer that includes selectable workspaces and user-configurable viewports.

# MediaDS™ Technical Specifications

<b>Local Video Input</b>	4 x 3G/HD/SD-SDI inputs
<b>Network Video Input</b>	4 x IP inputs via NDI™
<b>Local Video Output</b>	1 x DVI or HDMI user interface with multiviewer
<b>Network Video Output</b>	4 x IP source outputs via NDI
<b>Local Audio Input</b>	4 x SDI embedded 1 x 2 Balanced XLR (Line) 3 x 2 Balanced 1/4" (Line)
<b>Network Audio</b>	<ul style="list-style-type: none"> <li>• Native support for network audio input and output via NDI</li> <li>• Embedded audio supported for all NDI input and output video signals</li> <li>• Integrated support for Dante™ networking protocol from Audinate® * Requires Dante Virtual Soundcard license from Audinate (sold separately)</li> </ul>
<b>Supported SDI Input Formats</b>	<ul style="list-style-type: none"> <li>• 1080p 59.94, 1080p 50, 1080p 29.97, 1080p 25, 1080p 24, 1080p 23.98</li> <li>• 1080i 59.94, 1080i 50</li> <li>• 720p 59.94, 720p 50, 720p 29.97, 720p 25, 720p 24, 720p 23.98</li> <li>• 576i 50</li> <li>• 480i 59.94</li> </ul>
<b>Encoding</b>	4 x RTMP streams via integrated NewTek streaming encoder
<b>Streaming Delivery</b>	4 x independent streams with support for Adobe® Flash® RTMP (RTMPE, RTMP, RTMPTE, RTMPS), Apple® HTTP Live Streaming (HLS), MPEG-DASH, and WOWZ™, and simultaneous stream file archive
<b>Streaming Targets</b>	Independently configurable per video stream, with support for multiple selections and configurable presets
<b>Streaming Profiles</b>	Independently configurable per video stream, with presets included in formats up to 1080p 60

<b>Web</b>	Built-in webpage available per video stream for local network viewing, with hosted media player, embed codes, and direct editing supported via HTML and CSS
<b>Monitoring</b>	Integrated multiviewer display with configurable workspaces and viewports
<b>Video Configuration</b>	Independently configurable video delay and color correction settings for each video stream, including white balance, proc amp controls and auto color
<b>Audio Configuration</b>	Independently configurable audio delay, automatic gain control, and manual audio channel level controls for each video stream
<b>Signal Monitoring</b>	Integrated waveform and vectorscope, full field rate with digital calibration, color preview and support for ITU-R Rec. 709
<b>Processing</b>	Video: Floating Point YCbCr +A 4:4:4:4 Audio: Floating Point, 48 kHz
<b>A/V Standards</b>	<ul style="list-style-type: none"> <li>• 3G-SDI video conforms to SMPTE 424M (Level A)</li> <li>• HD-SDI video conforms to SMPTE 292M</li> <li>• SD video conforms to SMPTE 259M and ITU-R BT.656</li> <li>• Analog audio levels conform to SMPTE RP-155</li> </ul>
<b>NIC</b>	2 x 1 Gigabit NIC
<b>System Physical</b>	1RU chassis with 180W PSU • 19.0 x 1.75 x 16.75 in (48.3 x 4.5 x 42.5 cm) with rack ears attached • 15 lbs (6.8 kg)

Subject to change without notice.  
For complete technical specifications, please visit the MediaDS page at [www.newtek.com](http://www.newtek.com).  
International pricing and availability may vary. Please email [sales@newtek.com](mailto:sales@newtek.com) for details.