WOWZA™ media systems

MDS1

MediaDS™

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. Merging NewTek's industry-leading live production technology with powerful Wowza™ streaming software, the MediaDS makes it possible to deliver multiple streams of content from any production—or production system—directly to viewers. No additional services required.

Launch your own multi-channel content network, streaming directly to viewers via Facebook Live, Microsoft Azure, Ustream, Wowza Streaming Cloud, YouTube Live, and other online video sites—or distribute to hundreds of viewers on your local network without additional servers or even an Internet connection. With the effortless enterprise deployment of the MediaDS, live streaming video from your productions, presentations and 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.

Local Video Input	4 x 3G/HD/SD-SDI inputs
Network Video Input	4 x IP inputs via NDI™
Local Video Output	1 x DVI or HDMI user interface with multiviewer
Network Video Output	4 x IP source outputs via NDI
Local Audio Input	4 x SDI embedded 1 x 2 Balanced XLR (Line) 3 x 2 Balanced 1/4" (Line)
Network Audio	• Native support for network audio input and output via NDI • Embedded audio supported for all NDI input and output video signals • Integrated support for Dante™* networking protocol from Audinate® ** Requires Dante Virtual Soundcard license from Audinate (sold separately)*
Supported SDI Input Formats	• 1080p 59.94, 1080p 50, 1080p 29.97, 1080p 25, 1080p 24, 1080p 23.98 • 1080i 59.94, 1080i 50 • 720p 59.94, 720p 50, 720p 29.97, 720p 25, 720p 24, 720p 23.98 • 576i 50 • 480i 59.94
Encoding	4 x RTMP streams via integrated NewTek streaming encoder
Streaming Delivery	4 x independent streams with support for Adobe® Flash® RTMP (RTMPE, RTMPT, RTMPTE, RTMPS), Apple® HTTP Live Streaming (HLS), MPEG-DASH, and WOWZ™, and simultaneous stream file archive
Streaming Targets	Independently configurable per video stream, with support for multiple selections and configurable presets
Streaming Profiles	Independently configurable per video stream, with presets included in formats up to 1080p 60

Web	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
Monitoring	Integrated multiviewer display with configurable workspaces and viewports
Video Configuration	Independently configurable video delay and color correction settings for each video stream, including white balance, proc amp controls and auto color
Audio Configuration	Independently configurable audio delay, automatic gain control, and manual audio channel level controls for each video stream
Signal Monitoring	Integrated waveform and vectorscope, full field rate with digital calibration, color preview and support for ITU-R Rec. 709
Processing	Video: Floating Point YCbCr +A 4:4:4:4 Audio: Floating Point, 48 kHz
A/V Standards	• 3G-SDI video conforms to SMPTE 424M (Level A) • HD-SDI video conforms to SMPTE 292M • SD video conforms to SMPTE 259M and ITU-R BT.656 • Analog audio levels conform to SMPTE RP-155
NIC	2 x 1 Gigabit NIC
System Physical	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.
International pricing and availability may vary. Please email sales@newtek.com for details.