



Front View



Rear View

RTI Control System



VDS-1x

HDMI UHD 18Gbps Downscaler

Video distribution deployments with mixed resolution displays can be challenging. For example, an installation with a legacy 1080p TV in one room and a fantastic new 4K HDR TV in another room, and they both need to access the same ultra-high definition content. In cases like this, the simple solution is the VDS-1x HDMI downscaler.

The VDS-1x converts 4K video to 1080p in real time with no latency or tearing. Engineered to support even the highest resolution UHD content, the downscaler also offers an optical audio output, and a low profile design, small enough to fit behind any TV.

Key Features

- Seamlessly downscales 4K UHD signals to 1080p.
- Perfect for mixed resolution deployment.
- No latency or tearing for the best possible picture.
- Support for HDCP 2.2
- Easy setup for plug and play installation.
- Simple set up using HDMI cables.
- Rotating dial switch for selecting downscale mode.
- Perfect for use with RTI matrix systems.
- Low profile design, only 0.7in (18mm) high, perfect for mounting behind a TV.
- Optional optical port for using S/PDIF audio output
- Status LED indicator

Specifications

Power Supply 5v DC / 10W power supply (CE/FCC certified)
 Power Consumption Max 2Amp @ 5V, 10 Watts
 ESD Protection ± 8kV (Air-gap discharge) ± 4 kV (Contact discharge)
 Surge Protection IEC 61000-4-4 (EFT) 40A (5/50ns)
 IEC 61000-4-5 (Lightning) 25A (8/20µs)
 Electrical Fast Transient/Burst Data comm cord: 1 kV Power cord : 2 kV
 Product Dimensions HxWxD 0.71in(18mm) x 3.11(79mm) x 7.08(180mm)
 Product Weight 0.22 lbs (100 g)
 Operating Temp Range 0 to +35°C (32 to +95°F)
 Operating Humidity Range 5 to 90% RH Non-condensing
 Video Input One HDMI
 Audio Format Input 5.1 Dolby Digital or 2ch Stereo PCM
 Input Video Signal 3.3V DC bias, 400-600mVp-p
 Input DDC Signal 5 volts p-p (TTL)
 Video/Audio Output One HDMI, One Toslink (Optical)
 Audio Format Output 5.1 Dolby Digital or 2ch Stereo PCM
 Scale Video Down from 3840x2160p @ 24/25/30/60Hz to
 1920x1080p @ 24/25/30/60Hz
 Max In/Out Resolution Supported Up to 3840 x 2160p @ 60Hz
 Color Supported: 4:4:4 (8-bit), 4:2:2 (10-bit) or
 4:2:0 (12-bit) all at 3840 x 2160p @ 60Hz
 Max Video Output Clock Speed Input: 594MHz, Output: 340MHz
 Output Impedance 100Ω
 Transmission Distance (4K/1080p) Input - 6.5ft(2m), Output - 6.5ft(2m)
 Compliance HDCP 1.4 and HDCP 2.2
 Warranty Three Years (Parts & Labor)

All Specifications subject to change without notice.

RTI User Interfaces

Remote Controls
 Keypads
 Audio Control Keypads
 In-Wall Touchpanels
 Tabletop Touchpanels
 Mobile Apps



RTI Control Accessories

Control Processors
 System Kits
 RS-232 Modules
 IR Modules
 Relay Modules
 Z-Wave Modules



RTI Audio/Video Distribution

HDMI Splitters & Switchers
 HDMI Matrix Switchers
 HDBaseT Matrix Switchers
 HDBaseT Extenders
 Presentation Switchers
 Video over IP Transceivers



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