



Front View



Rear View

RTI Control System



VDM-1x

HDMI Downscaler with Downmixer

The VDM-1x video scaler and digital audio converter (DAC) is the ideal solution to accommodate HD (1080p) and 4K sources and displays within a multi-zone residential or commercial installation. The unit is designed to be placed between a display and a source device and it adjusts video resolution (upscale or downscale) and audio (downmix or bypass) from an incoming HDMI source and scales the output to a level compatible with the display capabilities.

Key Features

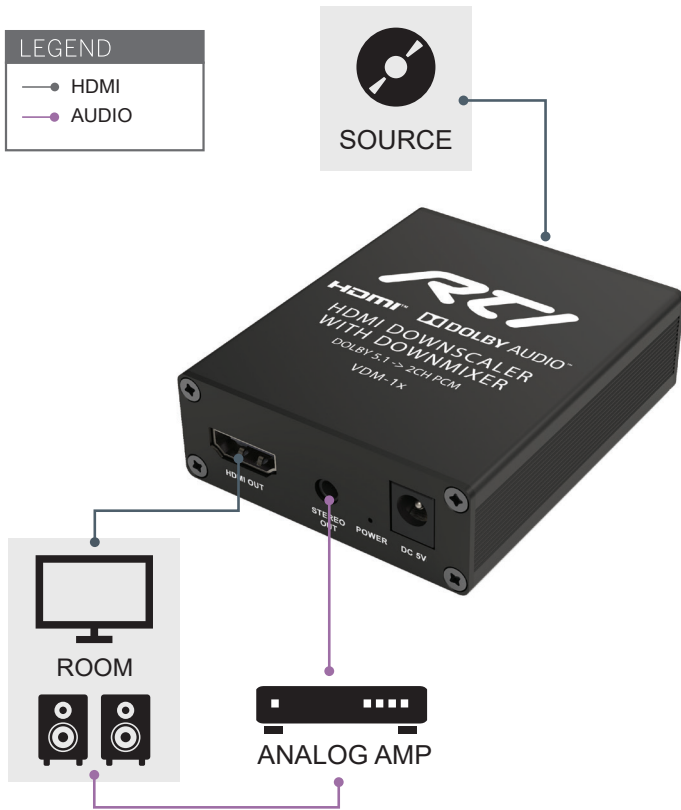
- Downscale 4K/30p > 1080/24p, to enable 1080p screens to view 4K sources through a 4K matrix system.
- Upscale 1080/24p > 4K/30p, for connection to 4K screens.
- Downmix of incoming Dolby Digital to stereo PCM audio.
- Supports resolutions up to 3840x2160p@24/25/30Hz.
- Up to 6 channels of input support (up to 5.1 surround) of audio encoded in Dolby Digital.
- Low-latency digital filtering.
- Accepts uncompressed digital audio input signals.
- Switchable input selection for video/audio scaling or signal pass-through.
- Equalizes and boosts HDMI signal for longer distance transmissions (up to 2 meters).

Specifications

Power Supply 5v DC / 10W power supply (CE/FCC certified)
 Power Consumption 5V, 1 Amp
 HDMI Inputs..... 1
 Video Input Zones 1
 HDMI Outputs 1
 HDCPHDCP 1.4
 Dimensions HxWxD..... 0.9 in (2.4 cm) x 3 in (7.7 cm) x 2.6 in (6.5 cm)
 Weight0.1 lb (0.10 kg)
 Operating Temp Range 0 to +35°C (32 to +95°F)
 Operating Humidity Range 5 to 90% RH Non-condensing
 Audio Output Port..... 3.5mm Stereo Jack
 Scale Video Up..... 1920x1080p @ 24/25/30Hz to 3840x2160p @ 24/25/30Hz
 Scale Video Down 3840x2160p @ 24/25/30Hz to 1920x1080p @ 24/25/30Hz
 Supported Audio Formats 5.1 Dolby Digital / 2ch Stereo PCM
 Auto-sample Frequencies.....32, 44.1 and 48KHz
 Audio Signal Support.....Up to 24bit with sampling rates up to 192KHz
 Audio Format Output Pass-through / 2ch PCM with Downmix selected
 THD+N Rating-93db (Total harmonic distortion plus noise)
 Warranty.....Three Years (Parts & Labor)

All Specifications subject to change without notice.

Wiring Diagram



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 & Switches
 HDMI Matrix Switches
 HDBaseT Matrix Switches

HDBaseT Extenders
 Presentation Switches
 Video over IP Transceivers



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RTI
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