



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

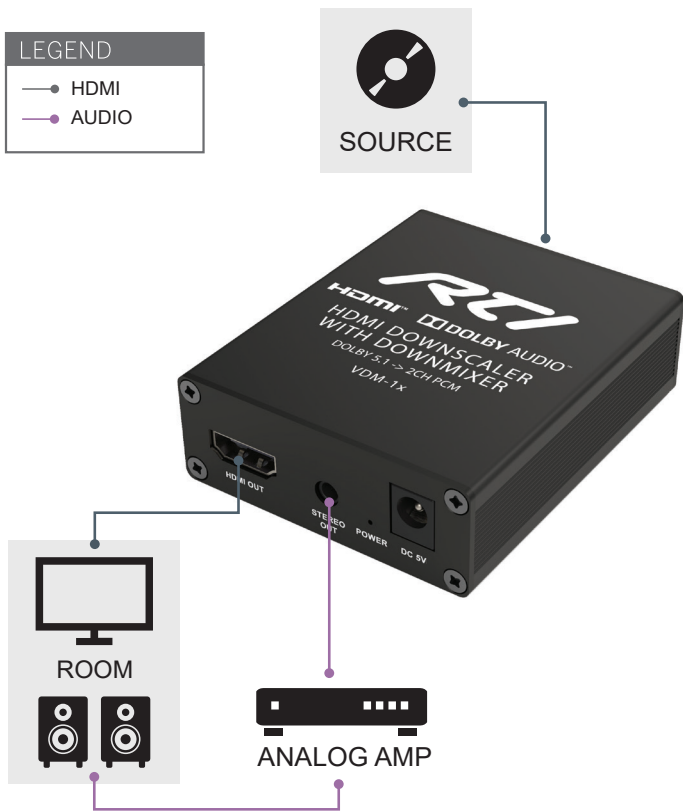
- Downscale 4K/30p to 1080/24p, to enable 1080p screens to view 4K sources through a 4K matrix system.
- Upscale 1080/24p to 4K/30p, for connection to 4K screens.
- Downmix of incoming Dolby Digital to stereo PCM audio.
- Supports resolutions up to 3840x2160p@24/25/30Hz.
- Up to 6 channels of input support (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 6.5 feet / 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
HDCP .....	HDCP 1.4
Dimensions HxWxD.....	0.9 in (2.4 cm) x 3 in (7.7 cm) x 2.6 in (6.5 cm)
Weight .....	0.1 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 & Switchers
- HDMI Matrix Switchers
- HDBaseT Matrix Switchers
- HDBaseT Extenders
- Presentation Switchers
- Video over IP Transceivers



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