



## HDMI™ Scaler with Discrete Audio

- Ideal for converting HD or PC source output to a compatible resolution and refresh rate for a distribution system or display
- Provides discrete audio output for distributed audio systems
- Easy graphical interface for resolution and picture adjustments

This ultra compact, high performance scaler is ideal for solving any HDMI resolution mismatch. Often a display or distribution system requires an input resolution that a source does not provide. For example, many devices output interlaced video, not progressive scan, which a display or distribution system may need to function properly. The 1388 provides the compatible resolution and refresh rate. It also makes 2-channel digital and analog audio signals available at the head end where they are often needed for audio distribution system inputs. The 1388 offers a turn-key solution allowing all necessary adjustments to be performed through the 1388's simple user interface, resulting in quick compatibility with excellent video quality.

### MODEL 1388 FEATURES:

- Automatically detects the video display's native resolution
- Does not require special software for HDMI output from a PC
- Simple on-screen display (OSD) user interface
- Video adjustments include overscan, contrast, brightness, hue, sharpness, saturation, RGB levels, and aspect ratio
- Discrete digital and analog audio inputs and outputs
- Converts 2-channel digital input (HDMI or optical) to analog output, and embeds 2-channel digital audio in the HDMI output
- PC input resolutions include most common resolutions from VGA to WUXGA and refresh rates from 60Hz to 85Hz
- Multiple output resolutions including 720p, 1080i/p @ 50Hz or 60Hz



1388 inputs, outputs, and user interface controls

### SPECIFICATIONS:

<b>HDMI Input/Output:</b>	HDMI connectors	<b>Analog Stereo Bandwidth:</b>	20Hz to 20KHz
<b>Video Adjustments:</b>	Contrast, brightness, hue, sharpness, saturation, R-G-B levels	<b>Size (H-W-D):</b>	1x4x5.7 in. (25x102x145mm)
<b>De-Interlace:</b>	3D motion adaptive	<b>Weight (Net):</b>	11.4oz (324g)
<b>Pull-Down:</b>	3:2 + 2:2 recovery	<b>Limited Warranty:</b>	1 year parts and labor
<b>HDMI Compliance:</b>	HDMI 1.2, HDCP 1.1, DVI 1.0	<b>Operating Temperature:</b>	+32° to +122°F (0° to +50°C)
<b>Image Component Processing:</b>	Full time/full range	<b>Operating Humidity:</b>	10% to 90%, non-condensing
<b>Frame Rate Conversion:</b>	50/60Hz	<b>Storage Temperature:</b>	+14° to +140° F (-10° to +60° C)
<b>Scan Conversion:</b>	Converts all standard scan formats	<b>Storage Humidity:</b>	10% to 90%, non-condensing
<b>Analog Stereo:</b>	1x via 3.5mm stereo connector	<b>External Power Supply:</b>	5VDC@2A (center +) US, UK or Euro
<b>Digital:</b>	1x SPDIF via Toslink connector	<b>Regulatory Approvals:</b>	Scaler: FCC, CE, RoHS Power Supply: UL, CUL, CE, PSE, GS, RoHS
<b>Variable Audio Output Delay:</b>	Off / 40ms / 110ms / 150ms	<b>Accessories Included:</b>	3.5mm to 2CH RCA cable, AC power adapter, manual
<b>Analog Stereo Levels:</b>	Input: 2Vrms / Output: 1Vrms		
<b>Toslink Input/Output Level:</b>	Sampling rate 48KHz 2CH LPCM		