



Introduction

The HDMI Up/Down Scaler/Converter is designed to allow a user to match the native resolution of a different display when multiple are used. The HD550 is mainly designed to be used with standard displays, HDMI Matrix switches, HDMI distribution amplifiers, and many other applications where HDMI is used. When there is a set up with multiple displays that have a mismatched resolutions capability the AT-HD550 can be used to down convert or scale the displays with a higher resolution to match the displays that are incapable of outputting higher resolutions.

Key Features

- Compact design
- Plug and play
- Manual tuning for quick adjustments
- HDCP 1.1, and DVI 1.0 compliant
- Supports up to 36-bit deep color
- Supported resolutions: 480@60, 720@60, 1080@60, and other resolutions up to 1920×1200
- Interlace to progressive conversion

Specifications

Video		
Signal	HDMI, DVI 1.0	
Copy Protection	HDCP 1.1	
Pixel Clock	300MHz	
UHD/HD/SD	1080p@60/59.9/50/30/29.97/25/ 24/23.98Hz 1080i@30/29.97/25Hz 720p@60/59.94/50Hz	576p@50Hz 576i@25Hz 480p@60/59.96Hz 480i@30Hz
VESA All resolutions are 60Hz	1920x1200 1680x1050 1600x1200 1440x900 1400x1050 1360x768	1366x768 1280x1024 1280x800 1024x768 800x600 640x480
Color Space	YCbCr, xvYCC	
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0	
Color Depth	8-bit, 10-bit, 12-bit	

Audio			
HDMI Pass-Through Formats	PCM 2.0 LPCM 5.1 LPCM 7.1	Dolby® Digital Dolby Digital Plus™	DTS® Digital Surround™
Bit Depth	up to 24-bit		
Sample Rate	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz		

Resolution / Distance	1080p - Feet	1080p - Meters
HDMI IN/OUT	30	10

Connectors	
HDMI IN	1 - Type A, 19-pin female
HDMI OUT	1 - Type A, 19-pin female
PWR	1 - DC 5V

Environmental	Fahrenheit	Celsius
Operating	32 to 104	0 to 40
Storage	-4 to 140	-20 to 60
Humidity (RH)	20% to 60%, non-condensing	

Power	
Consumption	2.7 W
Supply	Input: AC100~240V 50/60Hz Output: DC 5V / 1A

Dimensions	Inches	Millimeters
H x W x D	1.02 x 4.49 x 2.56	26 x 114 x 65

Weight	Pounds	Kilograms
Unit	0.18	0.08

Certification	
Device	CE, FCC
Supply	CE, FCC, cULus, RoHS

Accessories

SKU	Description
AT-LC-H2H-1M	LinkConnect HDMI to HDMI 1 Meter Cable
AT-LC-H2H-2M	LinkConnect HDMI to HDMI 2 Meter Cable
AT-LC-H2H-3M	LinkConnect HDMI to HDMI 3 Meter Cable