PULSEEIGHT

HDMI UHD 18GBPS DOWNSCALER

KEY FEATURES

• 4K UHD > 1080p Downscaler

• Perfect for mixed resolution deployment

• No latency or tearing for the best possible picture

• Discreet design, ideal for placing behind TV

• Easy setup for plug and play installation

Mixed resolution deployments are always a frustration both for you and your client, that treasured legacy TV (that really should be replaced) needs to work with the fantastic new 4K HDR TV in the living room. And, of course, they want to watch the exact same content in both rooms!

Our 6G HDMI 4K downscaling solution can convert your 4K content to 1080p in real time with no latency or tearing. Ideal as a quick fix to your mixed resolution deployments, and its low profile means it sits perfectly behind the TV.

ADDITIONAL FEATURES

• Seamlessly downscales 4K UHD signals to 1080p

• Designed for installations featuring mixed resolution TVs

• Simple set up using HDMI inputs and outputs

• Rotating dial switch for selecting downscale mode

• Perfect for use with neo matrix systems

• Discreet design, only 1.8cm high, perfect for placing or mounting behind TV

• Optional optical port for using S/PDIF audio output

• Status LED indicator

TECHNICAL DATA

Dimensions (WxHxD):	7.9 / 1.8 / 8.3cm
Weight:	100g
Operating Temperature Range:	0 to +35°C (32 to +95°F)
Operating Humidity Range:	5 to 90 % RH (no condensation)
Power Supply:	5v DC / 10W power supply (CE/FCC certified)
Power Consumption:	Max 2Amp @ 5V 10 Watts
Input:	HDMI 2.0a
Output:	HDMI 2.0a, Toslink (Optical)
Max Video Output Clock Speed:	Input: 594MHz, Output: 340MHz
Video Impedance	100Ω
Input Video Signal:	3.3V DC bias, 400-600mVp-p
Input DDC Signal:	5 volts p-p (TTL)
Transmission Distance:	Input - 2m (4K/1080p), Output - 2m (4K/1080p)
Max In/Out Resolution Supported:	Up to 3840 x 2160p @ 60Hz
Colour Supported:	4:4:4 (8-bit), 4:2:2 (10-bit) or 4:2:0 (12-bit) all at 3840 x 2160p @ 60Hz
Scale Video Down from:	3840x2160p @24/25/30/60Hz to 1920x1080p @ 24/25/30/60Hz
Audio Input Format:	5.1 Dolby Digital or 2ch Stereo PCM
Audio Output Format:	5.1 Dolby Digital or 2ch Stereo PCM
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 communication cord:1 kV Power cord : 2 kV
Certification:	CE, FCC, RoHS

Pulse-Eight Limited . 8-12 Alder Hills . Poole . Dorset . BH12 4AL . UK
sales@pulse-eight.com | +44 (0)1202 413610
pulse-eight.com