



# DS-0102

## UHD HDMI Scaler/Splitter



VitBest DS-0102 is a 1x2 UHD HDMI splitter with UHD Scaler Inside, reliably distributes one HDMI source to 2 HDMI displays and supports HDMI 2.0 and HDCP 2.2. DS-0102 integrated a strong video scaling engine, can do up/down scaling from 720p to 3840x2160@60Hz and display on HDMI output port 2. HDMI output port 1 will directly pass the source to downstream. It also provides EDID management which provides multiple EDID options for various resolutions output, and HDCP management which authenticates HDCP encryption between all devices, ensuring the HDMI source reliably outputs correct content for display.

### FEATURES

- Distributes one HDMI sources to 2 displays
- 4K up/down scaling on HDMI output port 2
- Full 4K@60Hz 4:4:4 HDMI 2.0 and HDCP 2.2 compliant
- Supports High-Dynamic-Range (HDR) image
- Independent switch for EDID selections
- Independent switch for Resolution selections with HDMI output port 2
- Support Toslink and Ø3.5mm jacket audio output

Note: When displaying HDMI 4Kx2K/HDR signal, equivalent source signal, output display and HDMI cables are required in order to secure the best image display. It is suggested to use High Speed HDMI cable for 6G HDMI2.0 signal.

### BENEFITS

- Threaded power port for locking or standard 5V DC connection
- Front panel LED indication for I/O and Power connectivity
- Automatic input cable equalization and signal regeneration compensation
- Flexible HDCP and

### TECHNICAL SPECIFICATIONS

#### TECHNICAL

Input Ports	1 x HDMI IN (Type A female connector)
Output	2 x HDMI OUT (Type A female connector) 1 x TOSLINK, Spdif audio output 1 x Ø3.5mm jacket, L/R audio output
HDMI	HDMI 2.0/HDCP 2.2
Input/Output Resolution Support	<b>INPUT:</b> 640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x960@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz, 480p,576p,720p,1920x1080i,1920x1080p, 3840x2160@24Hz/25Hz/30Hz/50Hz/60Hz, 4096x2160@24Hz/25Hz/30Hz/50Hz/60Hz. <b>OUTPUT 1/BYPASS :</b> Follow Input <b>OUTPUT 2/SCALING:</b> 1920x1080@60Hz, 3840x2160@30Hz, 3840x2160@60Hz, 1280x720@60Hz, 1024x768@60Hz, 1366x768@60Hz, 1280x1024@60Hz, 1920x1200@60Hz, 1280x1024@60Hz/DVI, 1920x1080@60Hz/DVI
Input Video Level	0.5~1.2 Vp-p
Input DDC Signal	5 Vp-p
Maximum Data Rate	18 Gbps
Max Pixel Clock	600 MHz

#### GENERAL

Operating Temperature	0 to 40°C (32 to 108 °F)
Storage Temperature	-20 to 70°C (-4 to 158 °F)
Humidity	10% to 90%, non-condensing
Power Supply	DC 5V/3A
ESD Protection	Human-body Model: ±8kV(Air-gap discharge)/±4kV(Contact discharge)
Main Unit Size	143mm x 83mm x 26mm
Package Size	220mm x 196mm x 54mm
Product Weight	0.35kg
Certification	CE, FCC, RoHS



#### About VitBest

VitBest is a professional digital audio video products manufacturer dedicates in manufacturing high quality, reliable and stable products. For audio-visual system integrators, a trustworthy distribution and control electronics components means much more than their sizes.

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