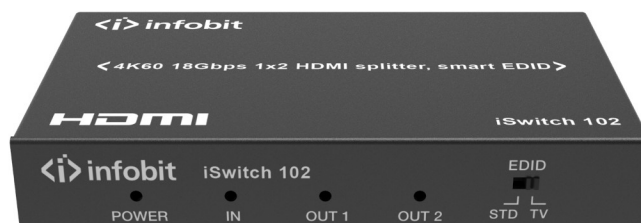

PRODUCT DATASHEET

iSwitch 102

1x2 HDMI 18Gbps Splitter with Smart EDID



1 IN · 2 OUT	18 Gbps	4K2K@60Hz
HDMI DISTRIBUTION	VIDEO BANDWIDTH	RGB/YCBCR 4:4:4

OVERVIEW

The iSwitch 102 is an 18 Gbps 1×2 HDMI splitter that distributes a single HDMI source to 2 HDMI outputs synchronously, providing high-performance audio and video up to 4K2K@60Hz (4:4:4) with no data loss.

The iSwitch 102 is HDMI 2.0b and HDCP 2.2 compliant, with a built-in equalizer, retiming and driver stage, plus Smart EDID with selectable STD (1080p) and TV (copy OUT1) modes.

Its compact metal enclosure and low power consumption make it an easy, flexible option for simple one-to-two HDMI distribution.

KEY FEATURES

- HDMI 2.0b, HDCP 2.2 compliant
- Up to 4K2K@60Hz with 24-bit RGB / YCbCr 4:4:4
- VESA format support up to QSXGA@60Hz
- Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
- Built-in equalizer, retiming and driver stage
- Smart EDID with STD (1080p) mode and TV (copy OUT1) mode
- Compact design for easy and flexible installation

SPECIFICATIONS

TECHNICAL	
Video Bandwidth	600 MHz / 18 Gbps
Video Resolution	4K2K@24/25/30/60Hz
HDCP Compliance	HDCP 2.2 / 1.x
Color Space	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:4:4
HDMI Audio Formats	PCM 2.0/5.1/7.1CH, Dolby 5.1, DTS 5.1, Dolby TrueHD, DTS-HD Master Audio
CONNECTIONS	
Input Port	1× HDMI Type A (19-pin female)
Output Ports	2× HDMI Type A (19-pin female)
EDID Modes	STD (built-in 1080p@60Hz, LPCM 2CH stereo) / TV (reads EDID of display)

	on HDMI OUT 1)
MECHANICAL	
Chassis Material	Metal
Silkscreen Color	Black
Dimensions	56 mm [W] × 100 mm [D] × 16 mm [H]
Weight	165 g
POWER	
Power Supply	Input: AC 100 – 240 V 50/60 Hz; Output: DC 5 V / 1 A (US/EU standards, CE/FCC/UL certified)
Power Consumption	2 W
ENVIRONMENTAL	
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)
ESD Protection	Human body model: ±8 kV (air-gap discharge) & ±4 kV (contact discharge)
COMPLIANCE	
Certifications	CE, FCC, UL (power adapter); RoHS pending

APPLICATION EXAMPLE

Typical deployment: one HDMI source distributed to two displays, or cascaded to another splitter to extend reach.

The iSwitch 102 is used wherever a single HDMI source (such as a DVD player or set-top box) needs to feed two displays simultaneously, or where the output needs to be cascaded into another splitter to extend the number of displays served.

- Connect the HDMI source device to the HDMI IN port using an HDMI cable.
- Connect each of the 2 HDMI OUT ports to a display for simultaneous HDMI distribution.
- Select STD mode for a fixed 1080p@60Hz / stereo output, or TV mode to have the splitter read the EDID of the display connected to HDMI OUT 1.

-
- Power the unit from the included 5V/1A power adapter.

ORDERING INFORMATION

Model	Description
iSwitch 102	1×2 HDMI 18Gbps Splitter with Smart EDID, includes 5V/1A power adapter

Specifications are subject to change without notice. For the latest product information, visit www.infobitav.com or contact your Infobit AV representative.