



This high performance HDMI Matrix Switcher can switch any of these four HDMI 2.0 sources to four HDMI 2.0 displays. Each input and output supports up to 4K60 444 resolution and HDCP 2.2. The outputs can be individually scaled for 1080p. De-embedded audio as analog L/R and coaxial is available for both outputs. The ARC function can return display device audio to coaxial port output only. Advanced EDID management is supported. With its 18Gbps bandwidth and the additional features with latest HDMI standards. This switcher can be controlled from the front panel, RS-232, IR remote, or TCP/IP.

Key Features

- HDMI 2.0, HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- Four 18G HDMI 2.0 video inputs support up to 4K60 444 resolution
- Four 18G HDMI 2.0 video outputs support up to 4K60 444 resolution
- Four outputs can be individually scaled for 4K - 1080p
- De-embedded audio to analog L/R and Coaxial ports output
- ARC audio return to the coaxial ports output only
- Built-in Web GUI for TCP/IP control
- Advanced EDID management supported
- Four methods of control: Front panel, RS-232, IR remote and TCP/IP
- Compact design for easy and flexible installation

Specifications

Technical

Parameter	Specification
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbp
Video Resolution	4K2K 50/60Hz 4:4:4 4K2K 50/60Hz 4:2:0 4K2K 30Hz 4:4:4 1080p, 1080i, 720p, 720i, 480p, 480i All HDMI 3D TV formats All PC resolutions including 1920 x 1200
3D Support	Yes
Color Space	RGB, YCbCr4:4:4, YCbCr4:2:2, YCbCr 4:2:0
Color Depth	8-bit, 10-bit, 12-bit [1080P, 4K30Hz, 4K60Hz (YCbCr 4:2:0)] 8-bit [4K60Hz (YCbCr 4:4:4)]
HDMI Audio Formats	PCM2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
Coaxial Audio Formats	PCM2.0, Dolby Digital / Plus, DTS 2.0/5.1
L/R Audio Formats	PCM2.0CH
HDR Support	HDR10, HDR10+, Dolby Vision, HLG
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)

Resolution / Cable Length

- Resolution : 4K60 - 4K30 - 1080P60
- HDMI IN / OUT : 10ft / 3M - 30ft / 10M - 42ft / 15M

Connections

- Input ports: 4x HDMI Type A [19-pin female]
- Output ports:
 - 4x HDMI Type A [19-pin female]
 - 4x L/R audio out [3.5mm Stereo Mini-jack]
 - 4x COAX audio out [RCA]
- Control ports:
 - 1x TCP/IP [RJ45]
 - 1x RS-232 [3-pin phoenix connector]
 - 1x IR EXT [3.5mm Stereo Mini-jack]

Mechanical

- Housing: Metal Enclosure
- Color: Black
- Dimensions: 220mm [W] x 105mm [D] x 44mm [H]
- Weight: 792g
- Power Supply: Input: AC100~240V 50/60Hz |
Output: DC12V/2.5A (Locking connector)
- Power Consumption: 10W (max), 1.56W (Standby)
- Operation Temperature: 32 - 104°F / 0 - 40°C
- Storage Temperature: -4 - 140°F / -20 - 60°C
- Relative Humidity: 20 - 90% RH (no condensation)



The 18Gbps 8x8 HDMI Matrix enables the distribution of video (up to 4K2K@60Hz YUV 4:4:4) and multi-channel high-resolution digital audio from 8 HDMI sources to 8 HDMI displays. It supports audio de-embedding to both analog and coaxial outputs from the 8 HDMI output ports. When HDMI output ARC is enabled, ARC audio from HDMI display devices is extracted to the coaxial audio output. Each HDMI output features independent 4K2K to 1080P downscaling. The matrix can be controlled via front panel buttons, IR remote, RS-232, LAN, and Web GUI.

Key Features

- HDMI 2.0b, HDCP 2.2 and HDCP 1.4 compliant
- Video resolution up to 4K2K@60Hz (YUV 4:4:4) on all HDMI ports
- Support 18Gbps video bandwidth
- Dolby Vision, HDR10+ and HLG are supported.
- Support 4K->1080P Down Scaler for each output port
- HDMI audio pass-through up to 7.1CH HD audio (LPCM, Dolby TrueHD and DTS-HD Master Audio)
- Audio de-embedded is supported via analog and coax ports
- ARC, CEC and smart EDID management are supported
- 1U rack mounted design with front panel OLED display
- Control via front panel buttons, IR remote, RS-232, LAN and Web GUI

Specifications

Technical

Parameter	Specification
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbp
Video Resolution	Up to 4K2K@50/60Hz (4:4:4)
Color Space	RGB, YCbCr 4:4:4/4:2:2/4:2:0
Color Depth	8-bit, 10-bit, 12-bit
HDMI Audio Formats (Pass-through)	LPCM 2/5.1/7.1, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Coax Audio Formats	LPCM 2.0, Dolby Digital / Plus, DTS 5.1
L/R Audio Formats	PCM2.0CH
HDR Support	HDR10, HDR10+, Dolby Vision, HLG
ESD Protection	Human body model: ±8kV (air-gap discharge) & ±4kV (contact discharge)

Resolution / Cable Length

- Resolution : 4K60 - 4K30 - 1080P60
- HDMI IN / OUT : 16ft / 5M - 32ft / 10M - 50ft / 15M

Connections

- Input Ports:
 - 8x HDMI Type A [19-pin female]
 - 1x IR EXT [3.5mm Stereo Mini-jack]
- Output Ports:
 - 8x HDMI Type A [19-pin female]
 - 8x Coax Audio (RCA)
 - 8x L/R Audio [3.5mm Stereo Mini-jack]
- Control Ports:
 - 1x TCP/IP [RJ45]
 - 1x RS-232 [D-Sub 9]

Mechanical

- Housing: Metal Enclosure
- Color: Black
- Dimensions: 440mm (W) x 200mm (D) x 44.5mm (H)
- Weight: 2.8kg
- Power Supply: Input: AC 100 - 240V 50/60Hz |
Output: DC 12V/5A
(US/EU standard, CE/FCC/ULcertified)
- Power Consumption (Max): 43W
- Operation Temperature: 14°F - 113°F / -10°C - 45°C
- Storage temperature: -4°F - 140°F / -20°C - 60°C
- Relative Humidity: 20 - 90% RH (no condensation)

FAL-2-KVM

KVM Switcher 2 ports

FALCON



This is a 2x1 KVM Switcher with hotkey switching. It supports resolutions up to 4K@60Hz 4:4:4 8bit and can also transmit USB 3.0 signal up to 5Gbps for KVM function. The switcher features virtual interaction function, so that it can automatically wake up the connected PC that is in standby mode, which can reduce the switching time. It also supports direct switching through buttons on the front panel, IR remote, and hotkey through keyboard/mouse connected to the special USB port. It provides a wide compatibility choice for different operating systems, such as Windows, Mac OS and Linux, no driver required and simple plug and play.

Key Features

- HDCP 2.3 compliant
- Support Ultra-Wide Screen, resolution up to 4K@60Hz, 2K@60Hz/144Hz as specified in HDMI 2.1
- HDR, HDR10, HDR10+, Dolby Vision, HLG pass-through
- Using only 1 set of keyboard, mouse and monitor to control 2 computers
- Support video fast switching, and keyboard/mouse seamless switching
- Each input port has an EDID emulator to provide the correct information for the PC
- Support hot plug, disconnect or connect devices to the KVM at any time
- Switching via front panel buttons, keyboard/mouse hotkeys, IR remote control, and RS-232 commands
- Support auto switching
- Advanced hardware/software design and production ensure zero latency
- The integrated USB 3.0 ports allow you to share USB peripherals like printer, scanner, webcam and hard disk between computers with data transfer rate up to 5Gbps
- Compact design for easy and flexible installation

Specifications

Technical

Parameter	Specification
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbp
Audio Latency	No Latency
Video Latency	No Latency
Video Resolution	Up to 4K@60Hz, 2K@60Hz/144Hz
IR Level	5Vp-p
IR Frequency	Fixed frequency 38kHz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12bit
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
CEC	Support
Audio Formats	HDMI IN/OUT: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X, DSD L/R OUT: PCM 2.0CH
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge), ±4kV (Contact discharge)

Recommended HDMI Cable

- Video Resolution 4K60 4:4:4 1080P 4:4:4
- HDMI Cable Type HDMI Cable HDMI Cable
- HDMI Cable Length 5m/16ft 10m/33ft

Connections

Port Type	Details
Input Ports	2 x HDMI input [Type A, 19-pin female]
Output Ports	1 x HDMI output [Type A, 19-pin female] 1 x L/R audio output [3.5mm Stereo Mini-jack]
Control Ports	1 x RS-232 [3pin-3.81mm phoenix connector] 1 x IR EXT [3.5mm Stereo Mini-jack] 2 x USB HOST [USB Type B] 4 x USB DEVICES [USB Type A]

Mechanical

Parameter	Specification
Housing	Metal Enclosure
Color	Black
Dimensions	175mm [W] x 100mm [D] x 30mm [H]
Weight	506g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/1A (US/EU standard, CE/FCC/UL certified)
Power Consumption	Typical value: 5.16W Standby mode: 0.6W
Operation Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no-condensing)

FAL-HDBT-100-WP-USBC-U2

HDMI/USB-C 4K 18 Gbps Wall Plate 100m with USB (CN/UK 2-Gang)

FALCON



The 4K60 HDMI/USB-C 2x1 HDBT Wall-plate Transmitter supports one HDMI input and one USB-C input within a standard 86mm×86mm wall box. It can transmit HDMI high-definition signal, bidirectional IR control signal, bidirectional RS-232 control signal and USB 2.0 signal over CAT6 to the distance up to 328ft/100m (HBT mode) or 492ft/150m (LRM mode). Video resolution is up to 4K2K@60Hz (4:4:4). This product converts HDMI signal to standard HDBaseT signal and transmits it through LAN cable. It can easily control signal source device or display device from the remote end through bi-directional IR signal pass through function. It also supports POC function with POC control switch. The Extender can be widely used in other fields such as video conference system, multimedia signal broadcasting, HDMI signal extension, etc.

Key Features

- HDMI 2.0b, HDCP 2.2/1.x and DP 1.2a compliant
- HDMI input supports 18Gbps video bandwidth USB input supports 5.4Gbps video bandwidth
- Support video resolution up to 4K2K@60Hz (4:4:4)
- Up to 7.1 channels HD audio
- Input signal source selection supports button switching
- Built-in mode DIP switch for selecting the HBT mode or LRM mode
 - HBT mode: Audio and video signals can be transmitted up to 328ft/100m for 4K60/4K30/1080P
 - LRM mode: Audio and video signals can be transmitted up to 492ft/150m for 4K30/1080P
- Built-in EDID DIP switch supports intelligent EDID management
- Built-in audio DIP switch supports analog audio embedding
- Built-in POC switches, when both POC switches of TX and RX are turned on, the Extender supports bidirectional 24V POC function, that is, either TX or RX is powered by 24V1A power supply, the another does not need power supply from the DC jack. (See the Description 1)
- Transmit bidirectional Infrared control signal together with the HDMI signal. (See the Description 2) IR IN is a 5V power supply level
- Transmit bidirectional RS-232 control signal together with the HDMI signal. (See the Description 3)
- The Receiver supports USB 2.0 signal transmission
- Standard 86mm×86mm wall box

Specifications

Technical

Parameter	Specification
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	HDMI: 18Gbps; USB-C : 5.4Gbps
HDMI Video Resolution	Up to 4K2K@60Hz 4:4:4
Color Space	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12bit
HDMI Audio Formats	LPCM 7.1CH, Dolby True HD and DTS-HD Master (Full format)
Analog Audio Embedding	48KHz
Transmission Distance	LRM mode: 492ft/150m (4K30/1080P) STD-HBT mode: 328ft/100m (4K60/4K30/1080P)
ESD Protection	Human body model—±8kV (Air-gap discharge), ±4kV (Contact discharge)

Mechanical

Parameter	Specification
Housing	Metal Enclosure
Color	Front panel: White; Rear case: Black
Dimensions	Transmitter: 86mm [W] x 86mm [D] x 38.5mm [H] Receiver: 157.2mm [W] x 88mm [D] x 20mm [H]
Weight	Transmitter: 234g; Receiver: 377g
Power Supply	24V/1A (supporting bidirectional POC power supply)
Power Consumption	12.48W (Max)
Operation Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

Connections Transmitter

Port Type	Details
Input	1 x HDMI IN [Type A, 19-pin female] 1 x USB-C IN [USB Type C] 1 x AUDIO IN [3.5mm Stereo Mini-jack]
Output	1 x HDBaseT OUT [RJ45]
Control	1 x TO PC [USB Type B] 1 x RS-232 [3pin-3.81mm Phoenix connector] 1 x IR IN [3pin-3.81mm Phoenix connector] 1 x IR OUT [2pin-3.81mm Phoenix connector]

Receiver

Port Type	Details
Input	1 x HDBT IN [RJ45]
Output	1 x HDMI OUT [Type A, 19-pin female] 1 x AUDIO OUT [3pin-3.81mm Phoenix connector]
Control	1 x TO PC [USB Type B] 1 x RS-232 [3pin-3.81mm Phoenix connector] 1 x IR IN [3pin-3.81mm Phoenix connector] 1 x IR OUT [2pin-3.81mm Phoenix connector]

FAL-HDBT-120A

18 Gbps HDBaseT Extender 150m Full HD ,120m 4K

FALCON



This 18Gbps HDMI Extender extends high-definition video and audio signals, RS-232, and bi-directional IR up to 492ft (150 meters) using a single CAT cable. It supports resolutions up to 4K@60Hz 4:4:4, 18Gbps bandwidth, and HDCP 2.2. The extender includes an HDMI loop-out port and supports de-embedded audio for L/R audio output. Additionally, it features two-way IR pass-through for controlling both the source and display devices. The extender consists of two units: the transmitter, which captures the HDMI input signal and transmits it over a cost-effective Cat5e/6 cable while also handling IR control signals, and the receiver, which receives the HDMI signal and transmits IR control signals. This HDMI extender provides a convenient solution for extending HDMI signals over long distances via a single Cat5e/6 cable, making it ideal for a wide range of applications.

Key Features

- HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- Support 18Gbps video bandwidth
- The maximum extended transmission distance via a single Cat5e/6 cable:
 - 394ft / 120 meters for 4K2K signal
 - 492ft / 150 meters for 1080P signal
- Support one HDMI loop output on the transmitter
- De-embedded audio to analog stereo output on receive
- With bi-directional IR, RS-232 and CEC pass-through
- HDR, HDR10+, Dolby Vision and HLG function supported
- Support PoC (Power over Cable) function
- Compact design for easy and flexible installation

Specifications

Technical

Parameter	Specification
HDCP Compliance	HDCP 2.2 / HDCP 1.4
Video Bandwidth	18Gbps
Video Resolution	4K2K 50/60Hz 4:4:4 4K2K 50/60Hz 4:2:2 4K2K 50/60Hz 4:2:0 4K2K 30Hz 4:4:4 1080p, 1080i, 720p, 720i, 480p, 480i All HDMI 3D TV formats All PC resolutions including 1920 x 1200
Color Space	RGB / YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12-bit (1080P60Hz, 4K30Hz, 4K60Hz YCbCr 4:2:2/4:2:0) 8-bit (4K60Hz 4:4:4)
HDMI Audio Formats	LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X
L/R Audio Formats	PCM 2.0
ESD Protection	150m/492ft at 1080P@60

Mechanical

Parameter	Specification
Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver: 140mm [W] x 65mm [D] x 18mm [H]
Weight	Transmitter: 160g, Receiver: 155g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 24V/1A (Locking connector)
Power Consumption	9.36 W
Operation Temperature	32°F - 104°F / 0°C - 40°C
Storage Temperature	-4°F - 140°F / -20°C - 60°C
Relative Humidity	20 - 90% RH (no condensation)

Connections Transmitter

Port Type	Details
Input	Input: 1x HDMI IN [TypeA 19-pin female] 1x LINE IN [3.5mm Stereo Mini-jack]
Output	Output: 1x HDBT OUT [RJ45 8-pin female] 1x HDMI OUT [TypeA 19-pin female]
Control	Control: 1x AUDIO DIP Switch [1 pin] 1x EDID DIP Switch [2-pin] 1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack] 1x RS-232 [Phoenix jack] 1x Service [Micro-USB jack]

Receiver

Port Type	Details
Input	Input: 1x HDBT IN [RJ45 8-pin female]
Output	Output: 1x HDMI OUT [TypeA 19-pin female] 1x AUDIO OUT [3.5mm Stereo Mini-jack]
Control	Control: 1x RS-232 [Phoenix jack] 1x SERVICE [Micro-USB jack] 1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack]

FAL-USB-100-U2

USB2.0 over CAT Extender 100 meters

FALCON



The USB 2.0 Extender extends USB signals up to 100m (328ft) using a single Cat5e/6 cable. The transmitter connects to a PC via a USB-B port, while the receiver allows you to connect USB devices, such as flash drives or printers, through two USB ports. Both the transmitter and receiver support POC (Power over Cable) functionality. This extender is ideal for long-distance signal transmission between a PC and USB devices, and it offers a simple plug-and-play setup with no drivers or installation required.

Key Features

- Support USB 2.0 protocol, transmission rate up to 480Mbps
- Transmission distance is up to 100m / 328ft via a single CAT5e/6 cable
- Support one USB-B port input in transmitter
- Support two USB 2.0 ports output in receiver
- Support POC function, it means that either transmitter or receiver is powered through 12V/1A power adapter, the other doesn't need power supply.
- Simple plug and play, no drive and installation setting required
- Compact design for easy and flexible installation

Specifications

Technical

Parameter	Specification
USB Protocol	USB 2.0
Transmission Rate	Up to 480Mbps
Transmission Distance	100M (328ft)
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connections Transmitter

Port Type	Details
Input port	1x USB [USB-B, female]
Output port	1x CAT [RJ45, female]

Receiver

Port Type	Details
Input	1x CAT [RJ45, female]
Output	2x USB [USB-A, female]

Mechanical

Parameter	Specification
Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver: 82mm [W] x 49mm [D] x 22mm [H]
Weight	Transmitter / Receiver: 100g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/1A
Power Consumption	Transmitter: 1.3W, Receiver: 2.3W
Operation Temperature	0°C - 40°C / 32°F - 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20 - 90% RH (no condensation)



1x4 HDMI 18Gbps Splitter is an advanced solution for splitting a single HDMI signal to 4 HDMI displays. It provides high performance audio and video output through HDMI cables up to 4K2K@60Hz 4:4:4 and is capable of receiving and transmitting up to 18Gbps of bandwidth with no data loss. (Supporting the latest features you can be assured of reliable and high quality HDMI distribution.)

Key Features

- HDMI 2.0b, HDCP 2.2 compliant
- Supports video format up to 4K2K@60Hz with 8 bit RGB/YCBCR 4:4:4/YCBCR 4:2:2
- Support 3D frame sequential video format up to 1080p@60;
- Supports 3D frame sequential video format up to 4K2K@30Hz
- Video distance 4K 8m, 1080p 15m
- Supports high resolution VESA mode video format up to QSXGA@60Hz
- Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio
- Supports smart EDID control
- Compact design for an easy and flexible installation

Specifications

Technical

Parameter	Specification
Video Bandwidth	600 MHz/18 Gbps
Input Port	1x HDMI Type A (19-pin female)
Output Ports	4x HDMI Type A (19-pin female)
Video Resolution	480i-1080P50/60, 4K2K@24/30, 4K2K@60Hz
ESD Protection	Human body model—±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Mechanical

Parameter	Specification
Housing	Metal
Color	Black
Dimensions	63mm (W) x 163mm (D) x 16mm (H)
Weight	260g
Power Supply	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Power Consumption	2W
Operation Temperature	32°F - 104°F / 0°C - 40°C
Storage Temperature	-4°F - 140°F / -20°C - 60°C
Relative Humidity	20 - 90% RH (no condensation)



18 Gbps 1x8 HDMI Splitter is an advanced solution for splitting single HDMI signal to 8 HDMI outputs synchronously. It supports up to 18Gbps bandwidth, HDMI 2.0b/HDCP 2.2 content up to 4K@60Hz 4:4:4. It can be set the COPY/ AUTO EDID configuration. Supporting the latest features, you can be assured of reliable and high quality HDMI distribution.

Key Features

- HDMI 2.0b, HDCP 2.2 compliant
- Supports 18Gbps bandwidth
- Supports resolution up to 4K@60Hz 4:4:4
- Supports HDR function
- Supports COPY/AUTO EDID control via dialing the dip switch
- Compact design for easy and flexible installation

Specifications

Technical

Parameter	Specification
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	594MHz/18Gbps
Video Resolution	480i ~1080p50/60Hz, 4Kx2K@24/30Hz, 4k2k@60Hz
HDMI Audio Formats	PCM 2CH, LPCM 7.1/5.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos and DTS:X
ESD Protection	Human body model—±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connections

Port Type	Details
Input Port	1x HDMI Type A (19-pin female) 1x SERVICE (Micro USB, Update port)
Output Ports	8x HDMI Type A (19-pin female)

Mechanical

Parameter	Specification
Housing	Metal Enclosure
Color	Black
Dimensions	243mm (W) x 102mm (D) x 16mm (H)
Weight	572g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 12V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	6.15W
Operation Temperature	14°F - 122°F / -10°C - 50°C
Storage Temperature	-4°F - 140°F / -20°C - 60°C
Relative Humidity	20 - 90% RH (no condensation)

FAL-HDMI-CAP-4K

4K60 HDMI to USB3.0 Video Capture

FALCON



This HDMI to USB video capture dongle has 1 HDMI INPUT, 1 HDMI LOOP OUT and 1 USB OUTPUT. The HDMI INPUT supports inputting videos with resolution up to 4K60. The USB OUTPUT can be used to power the device and capture videos with resolution up to 1080P60. It can be wildly used in video conference, multi-media broadcasting and other HDMI video capturing occasions.

Key Features

- HDMI 2.0b, HDCP 2.2, USB 2.0 and USB 3.0 compliant
- 18 Gbps HDMI video bandwidth, 5 Gbps USB video bandwidth
- HDMI INPUT video resolution reaches up to 4K2K@60Hz;
- USB OUTPUT video resolution has a range between 480i to 1080p60Hz
- Support 4K2K@60Hz downscaling to 1080p60Hz
- Support 4K60 4:4:4 HDMI loop out
- Operative in Windows, Linux and OS X
- USB transmission speed up to 300~350Mb/s
- Compatible with VLC, OBS, XSPLIT, AMCAP and other video capturing software.
- Compact in design, plug and play

Specifications

Technical

Parameter	Specification
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	HDMI: 18 Gbps; USB: 5 Gbps
Video Resolution	Up to 4K2K@60Hz 4:4:4
Video Compression Standards	Video will be in YUV2 with no compression if outputting via a USB 3.0 port; Video will be compressed in MJPEG if outputting via a USB 2.0 port
USB OUTPUT Resolution	Support 4K24/25/30/50/60 INPUT down scaling to 1080P OUTPUT; For resolutions lower than 1080P, INPUT keeps the same as OUTPUT
Color Depth	8/10/12-bit
Color Space	RGB, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
HDMI Audio Format	PCM 2.0
USB Audio Format	PCM 2.0
USB Version	USB 3.1 GEN 1
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)

Connections

Port Type	Details
Input	1x HDMI Type A [19-pin female]
Output	1x HDMI Type A [19-pin female] 1x USB Type A [female]

Mechanical

Parameter	Specification
Housing	Plastic Enclosure
Color	Black