

MSP 405

12G-SDI/4K HDMI /Fiber Signal Convertor

MSP 405 is borned to be a bi-direction 4K tool for 12G-SDI/4K HDMI/Fiber signal conversion, any signal has its input and output both.

● Firstly, MSP 405 bridges signal connection from any input of 12G SDI, HDMI 2.0 and Fiber, to any of these 3 outputs without image quality loss;

● Secondly, MSP 405 is a scan converter between any of 12G SDI, HDMI 2.0 and Fiber inputs and outputs, up/down and frame rate conversion;

● Thirdly, MSP 405 builds in a preview monitor to check the input signal from 12G SDI, HDMI 2.0 or Fiber;

● Forthly, MSP 405 is a Test Pattern generator with standard test pattern built in, and works as a standard signal source with 12G SDI, HDMI 2.0 and Fiber outputs;

● Fifthly, MSP 405 supports analog audio embedded with digital video inputs including 12G SDI, HDMI 2.0 and Fiber and to their outputs;

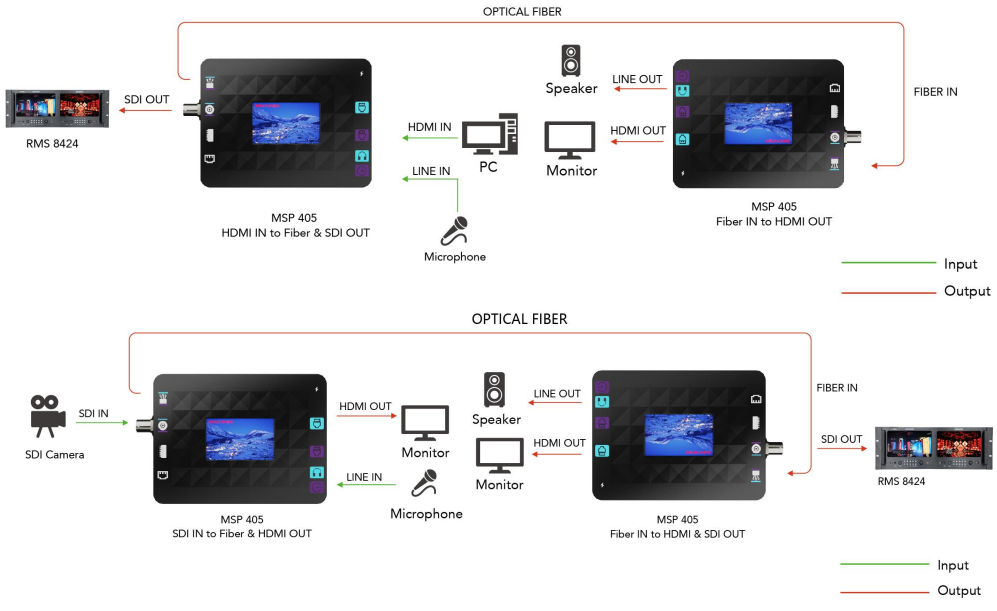
● Sixly, MSP 405 also de-embedded audio from 12G SDI, HDMI 2.0 and Fiber inputs and output audio to its analog output and all the video outputs are clean video data only.

To meet different application, MSP 405 works not only as a small converter, but also packs with different mechanic accessories.

● MSP 405: With battery case for camera battery to clip, and work standalone as a mobile unit.

● MSP 405pro: Install up to 4 units to a 1 unit size rack for installation and with redudant power supply capacity.

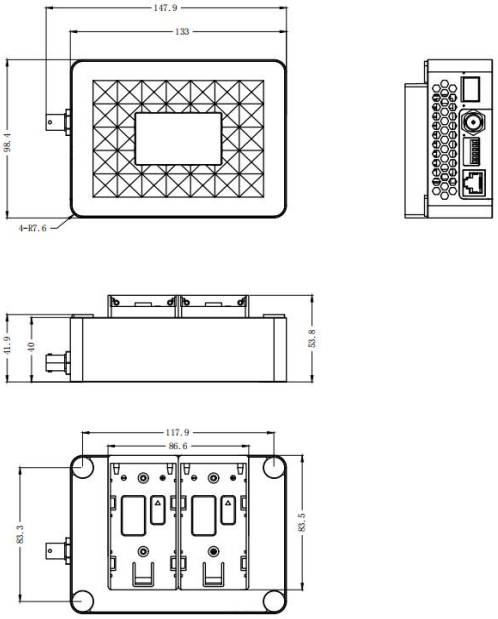
● MSP 405premier: Install up to 2 units and back panel in lockable connection for premier quality.



Key Features

- Convert SDI signal (HD/3G/6G/12G-SDI) to HDMI 2.0 signal; support auto format adaptation
- Convert SDI signal (HD/3G/6G/12G-SDI) to fiber signal; support signal relay for long-distance transmission
- Convert HDMI 2.0 signal to SDI signal (HD/3G/6G/12G-SDI); support auto format adaptation
- Convert HDMI 2.0 signal to fiber; support medium to long-distance transmission and auto format adaptation
- Convert fiber signal to SDI signal (HD/3G/6G/12G-SDI); support medium to long-distance transmission and auto format adaptation
- Convert fiber signal to HDMI 2.0 signal; support medium to long-distance transmission and auto format adaptation
- Built-in preview monitor with touch panel for menu operation
- Equipped with battery case[1] for installing up to two camera batteries[2]
- Auto Power Switching: When the primary battery's charge is low, it automatically switches to the backup battery
- Standard Test Pattern generator built in for on-site setup
- Audio playback and embedding function
- Upgrade and control via Ethernet interface for system integration

Dimension



Specification

Interface	Input	HDMI	1×HDMI-A
		SDI	1×BNC
		Fiber[3]	1×LC
	Output	HDMI	1×HDMI-A
		SDI	1×BNC (multiplex with input)
		Fiber	1×LC
	Audio	Line In	1×3.5mm Audio Socket
		Line Out	1×3.5mm Audio Socket
	Power	Power Supply	1×USB Type-C Power Jack
	Control	LAN	1×RJ45
		Reset	1×IP Reset Button
		Switch	1×DIP Switch
Performance	Resolution	HDMI/SDI/Fiber	2160p@25/29.97/30/50/59.94/60 | 1080p@25/29.97/30/50/59.94/60 | 1080i@50/59.94/60 | 720p@50/59.94/60
	Standards	HDMI	2.0b
		SDI/Fiber	HD/3G/6G/12G-SDI
	Optical Module Performance	Transmit Wavelength	1310±10NM
		Average Transmit Power	-3dBm~1dBm
		Receive Wavelength	1260nm~1580nm
		Receive Power	-11dBm~1dBm
	Transmission Distance	Single-Mode Fiber	≤ 50000m (164041.99 feet)
		Multi-Mode Fiber	≤ 700m (2296.59 feet)
		12G-SDI	≤ 70m (229.66 feet)
		6G-SDI	≤ 100m (328.08 feet)
		3G-SDI	≤ 150m (492.13 feet)
		HD-SDI	≤ 200m (656.17 feet)
		HDMI	≤ 3m (9.84 feet)
	LCD Touch Panel	Size	104.87mm × 72.22mm
		Diaplay Area	52.32mm × 31.392mm (2.4-inch)
	Battery Case	Size	86.6mm × 83.5mm
		Compatibility	Fits SN | F550/F750/F960 | FM50/FM70/FM90 | QM91D | Fits PAN | VBD1/VBD2 | Fits JVC | V607U/V617U
	Fan	1×built-in fan (speed auto adjusted)	
Power	Input Voltage	USB Type-C 12V/1.5A	
Physical	Net Weight	500g	
	Net Dimension	147.9mm × 98.4mm × 53.8mm	

Order Code

Product Code	Item
601-0405-01-1	MSP 405

[1] Does not support charging

[2] Battery not included.

[3] Optional: 12G-SDI single mode 1310nm SFP module with LC connector.

Contact us

Tel: +86-592-5771197

Fax: +86-592-5788216

E-mail: sales@rgblink.com

Headquarter: Room 601A, No. 37-3 Banshang community, Building 3, Xinke Plaza, Torch Hi-Tech Industrial Development Zone, Xiamen, China

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www.rgblink.com