



SMART CONNECTIONS FOR OPTIMUM RESULTS

Ophit's OMCC is a lightweight and compact 4K multi-format cross converter. It converts HDMI or DisplayPort into SDI 12G, 6G, and 3G signals, transmitting high-definition video through the SDI bypass port connection without compromising video signal quality. The OMCC also converts DisplayPort and SDI signals into HDMI, producing 4K@60Hz resolution for vibrant images. Moreover, the OMCC can select the input video format using the tactile (push-button) switch and the output video format using the SDI (right) / HDMI (left) switch. This feature is compatible with professional broadcast equipment, allowing simple integration into existing installations.

FEATURE HIGHLIGHTS

- Maximum resolution up to 4K@60Hz
- Convert HDMI or DisplayPort to SDI format in 12G, 6G, 3G, and HD
- DisplayPort input and SDI input can be converted to HDMI output
- Supports SDI input / output Level A
- Select the input video format using the tactile (push-button) switch
- Select the output video format using the SDI (right) / HDMI (left) switch
- Supports firmware updates via USB port
- 12G-SDI output automatically detects the input video rate and matches the SDI output with YCbCr 4:2:2-10bit video rate

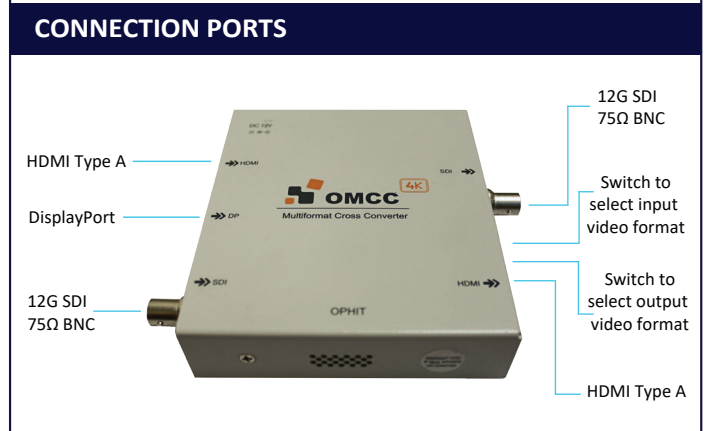
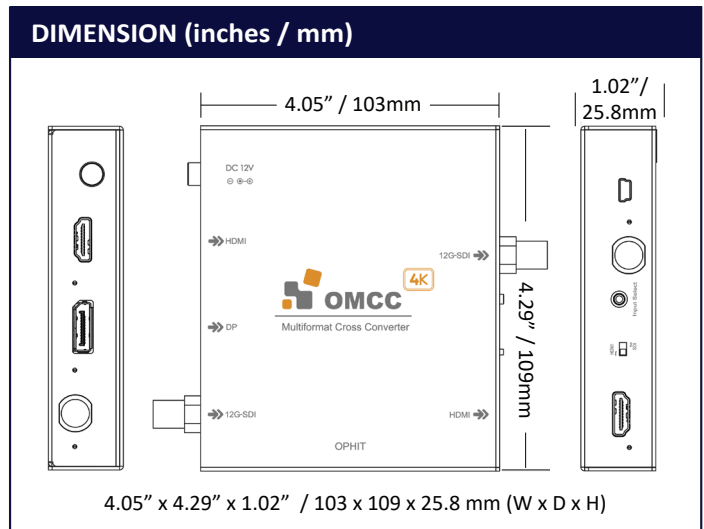


APPLICATIONS

- Broadcast
- Military
- Medical Imaging
- Digital Signage
- Control Room
- Flight Simulations
- Large Auditorium

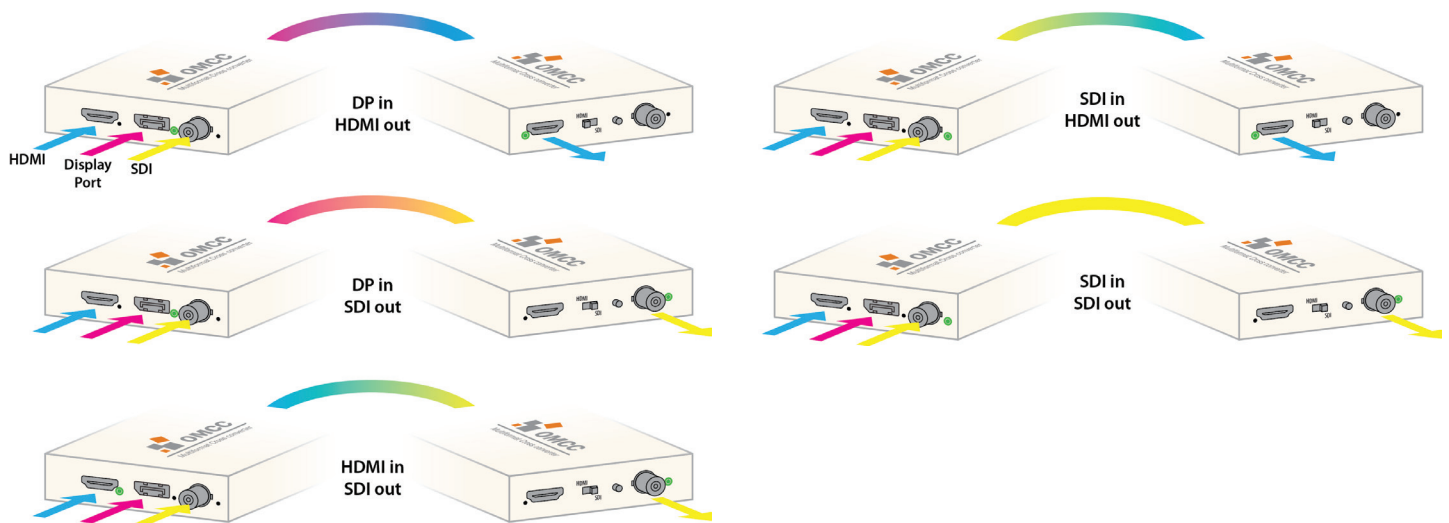


SPECIFICATIONS		
Input Signal / Connector		1 x HDMI (Type-A Female Connector)
		1 x DisplayPort (20P Female Connector)
		1 x SDI (BNC Female Connector)
Output Signal / Connector		1 x SDI (BNC Female Connector)
		1 x HDMI (Type-A Female Connector)
USB Connector		1 x mini (USB-B Female Connector)
Input Data Rate	HDMI	Up to 18 Gbps (HDMI 2.0)
	DisplayPort	Up to 21.6 Gbps (DisplayPort 1.2)
	12G-SDI	Up to 11.8 Gbps (ST-2082-1)
Output Data Rate	12G-SDI	Up to 11.8 Gbps (ST-2082-1)
	HDMI	Up to 18 Gbps (HDMI 2.0)
Video Resolution		Up to 4K@60Hz
Dimensions (inches / mm)		4.05" x 4.29" x 1.02" (W x D x H) 103 x 109 x 25.8 mm (W x D x H)
Module Weight		480g (1.05 lbs)
Enclosure Color		White
Power Consumption		1 x External Power Supply (DC +12V)
EMI & Safety		CE, FCC
Warranty		1-Year Limited



VIDEO SIGNAL TRANSFER DIAGRAM

4K Multi-Format Cross Converter



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