MSP 331 Family
HDMI 2.0/12G SDI & Dual HDMI2.0 4K Capture Cards



MSP 331U Gen1



MSP 331U Gen2



MSP 331S



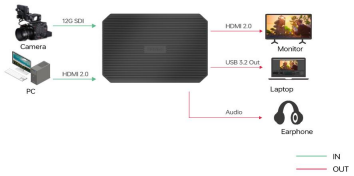
MSP 331H



MSP 331HE

Application

MSP 331U Gen 1/Gen 2

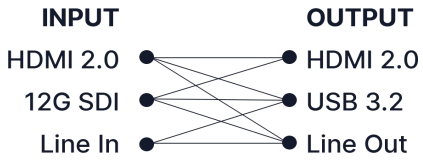


MSP 331S



MSP 331H/MSP 331HE





 # Note: Devices with a shared interface use one representative image.

Key Features

- HDMI 2.0 input support HDCP 2.3, backward compatible
- MSP 331S supports 1 × 12G-SDI input (downward compatible)
- MSP 331S supports 12G SDI to HDMI2.0 conversion without delay or image quality loss
- HDMI input support up to RGB 4:4:4 8bit 4K@60Hz, backward compatible with 4K@50Hz, 4K@30Hz, 2K@240Hz
- USB 3.2 interface provides 5Gbps high bandwidth
- Compatible with OBS/Potplayer/VLC/Vmix/Xsplit/Microsoft Teams
- HDR to achieve better color performance and richer detail representation
- Mix for Line in and HDMI audio
- UVC 1.5 and UAC 1.0 standards, compatible with Windows, MacOS and Linux, plug and
- Dynamic light pipe to display signal status in real time

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Specification

Model				MSP 331U Gen1	MSP 331U Gen2	MSP 331S	MSP 331H	MSP 331HE
Connectors	Input	HDMI 2.0	HDMI-A	1	1	1	2	2
		12G SDI	BNC			1		
	Output	HDMI 2.0	HDMI-A	1 (LOOP)	1 (LOOP)	1	1	1
	Capture	USB 3.2	USB-C	1	1	1	1	1
	Audio	In	3.5mm Audio Jack	1	1	1	1	1
		Out	3.5mm Audio Jack	1	1	1	1	1
Performance	Input Resolution	HDMI 2.0		2160p@23.98/24/25/29.97/30/50/59.94/60				
				1080p@23.98/24/25/29.97/30/50/59.94/60				
				1080i@50/59.94/60				
				720p@50/59.94/60				
				576p59.94/60				
				480p@50				
		SMPTE		2160p@60/59.94/50/30/29.97/24/23.98				
				1440p@144/60				
				1080p@240/120/60				
				720p@60				
		VESA		4096 × 2160@60/59.94/50/30/29.97/24/23.98				
				3840 × 2160@60/59.94/50/30/29.97/24/23.98				
				2560 × 1440@144/60				
				2560 × 1080@60				
				1920 × 1080@240/120/60				
				1280 × 720@60				
		12G SDI SMPTE		2160p@23.98/24/25/29.97/30/50/59.94/60				
				1080p@23.98/24/25/29.97/30/50/59.94/60				
				1080i@50/59.94/60				
				720p@50/59.94/60				
				576p@59.94/60				
				480p@50				
	Output Resolution	HDMI 2.0		2160p@23.98/24/25/29.97/30/50/59.94/60				
				1080p@23.98/24/25/29.97/30/50/59.94/60				
				1080psf@23.98/24/25/29.97/30				
				1080i@50/59.94/60				
				720p@50/59.94/60				
				576p@59.94/60				
				480p@50				
		USB 3.2	RGB24	1920 × 1080@60				
				1280 × 720@60				
			YUY2	3840 × 2160@30/25				
				2560 × 1440@60				
				2560 × 1080@60				
				1920 × 1080@60				
				1280 × 720@60				
			NV12	3840 × 2160@30/25				
				2560 × 1440@60				
				2560 × 1080@60				
				1920 × 1080@120/60				
				1280 × 720@60				
			I420	3840 × 2160@30				
				2560 × 1440@60				
				2560 × 1080@60				
				1920 × 1080@120/60				
				1280 × 720@60				
			P010	1920 × 1080@60				
				1280 × 720@60				
			MJPGE	3840 × 2160@60 (MSP 331U Gen2, MSP 331S, MSP 331H)				
				3840 × 2160@30 (MSP 331U Gen1, MSP 331HE)				
				2560 × 1440@144/60				
				2560 × 1080@60				
				1920 × 1080@240/60				
				1280 × 720@60				
	Video Capture Format			RGB24 | YUY2 | NV12 | I420 | P010 | MJPEG				
	Color Space			8 bit RGB/YCbCr 4:2:2/4:4:4/4:2:0; 10 bit RGB/YCbCr 4:2:2				
	Audio Bit Depth/Sample Rate			24bit (default) / 48KHz				
	Supported Standards	SDI (K200S)		12G-SDI				
		HDMI		2.0				
		USB		3.2				
Power	Input Voltage			9V/1.5A				
	Max Power			15W				
Environment	Operation Temperature			0℃ ~ 70℃				
Physical	Net Weight			280g	280g	300g	300g	300g
	Net Dimension			140.5mm × 99.5mm ×	140.5mm × 99.5mm	154.7mm × 99.5mm	140.5mm × 99.5mm	140.5mm × 99.5mm

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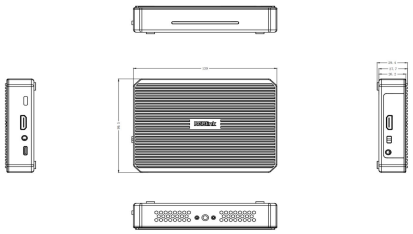
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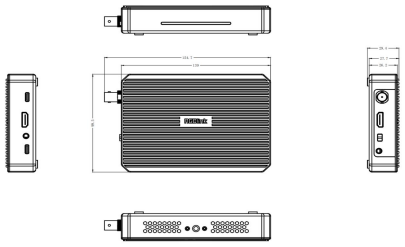
Dimension

MSP 331U Gen 1/Gen 2



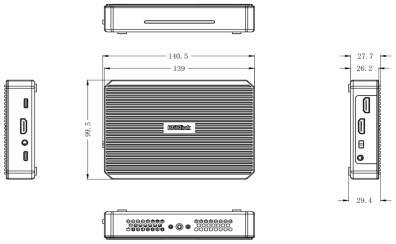
unit:mm

MSP 331S



unit:mm

MSP 331H/MSP 331HE



unit:mm

Order Codes

Product Code	Item
601-0331-03-0	MSP 331U Gen1
601-0331-04-0	MSP 331U Gen2
601-0331-05-0	MSP 331S
601-0331-06-0	MSP 331H
601-0331-07-0	MSP 331HE

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