

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



MSP 331U Gen1



MSP 331U Gen2



MSP 331S



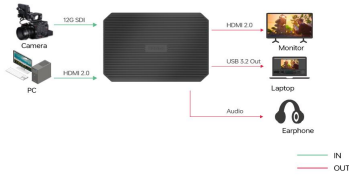
MSP 331H



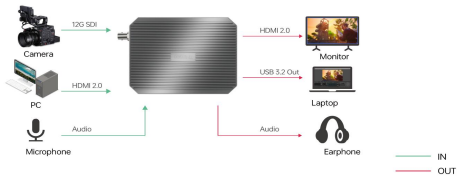
MSP 331HE

Application

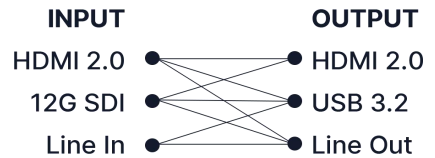
MSP 331U Gen 1/Gen 2



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			√	√			
			3840 × 2160@30	√	√	√	√	√		
2560 × 1440@144/60			√	√	√	√	√			
2560 × 1080@60			√	√	√	√	√			
1920 × 1080@240/60			√	√	√	√	√			
1280 × 720@60		√	√	√	√	√				

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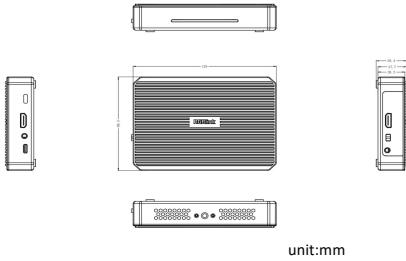


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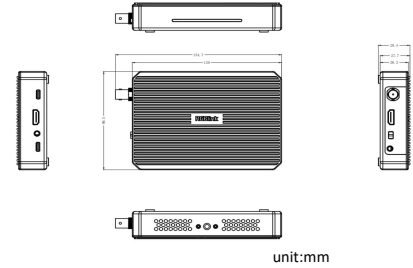
Model		MSP 331U Gen1	MSP 331U Gen2	MSP 331S	MSP 331H	MSP 331HE
Performance	Video Capture Format	RGB24 YUV2 NV12 I420 P010 MJPEG				
	Color Space	8 bit RGB/YCbCr 4:2:2/4:4:4/4:2:0; 10 bit RGB/YCbCr 4:2:2				
	Audio Bit Depth/Sample Rate	24bit (default) / 48KHz				
	Supported Standards	SDI (K200S)	12G-SDI			
HDMI		2.0				
USB		3.2				
Power	Input Voltage	9V/1.5A				
	Max Power	15W				
Environment	Operation Temperature	0°C ~ 70°C				
Physical	Net Weight	280g	280g	300g	300g	300g
	Net Dimension	140.5mm × 99.5mm × 29.4mm	140.5mm × 99.5mm × 29.4mm	154.7mm × 99.5mm × 29.4mm	140.5mm × 99.5mm × 29.4mm	140.5mm × 99.5mm × 29.4mm

Dimension

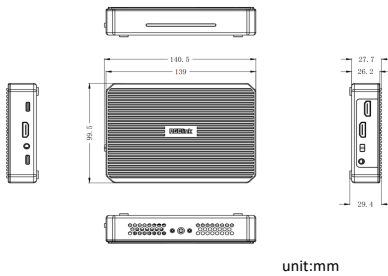
MSP 331U Gen 1/Gen 2



MSP 331S



MSP 331H/MSP 331HE



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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