

BZBGEAR BG-12GCSA USB-C 12G-SDI Video Capture Card with Scaler, HDMI 2.0/12G-SDI loop out, Audio

Model Name	BG-12GCSA	
Technical		
Role of usage	Video Capture Device	
Input/loopout Video bandwidth	[SDI] 11.88 Gbps, 11.88/1.001 Gbps	
Output bandwidth	Up to 5 Gbps (USB-C)	
Video support (USB-C)	Up to 4K2K @ 30 / 1080P @ 120	
Video support (Loopout)	Up to 4K2K @ 60	
Input Video Support	[12G-SDI] 4K2K @ 50/59.94/60Hz [6G-SDI] 4K2K @ 23.98/24, 25, 29.97, 30Hz [3G-SDI] 1080p50/59.94/60Hz [HD-SDI] 720p @ 50/59.94/60Hz, 1080i @ 50/59.94/60Hz, 1080p @ 23.98/24/25/29.97/30Hz	
Audio Input	SDI Embedded Audio & Stereo audio Input	
Audio Support	HDMI output/ SDI loopout up to 7.1ch, Toslink up to 5.1ch, Stereo audio up to 2ch	
Recording Video Format	RGB/YUY2/NV12 (USB 3.1 Gen 1), YUY2/NV12 (USB 2.0)	
ESD protection	Human body model - +/-15kV [air-gap discharge] & +/-8kV [contact discharge]	
PCB stack-up	4-layer board [impedance control - differential 100Ohm; single 50Ohm]	
Cable equalization	[12G-SDI] Input up to 30m; Loopout up to 70m [6G-SDI] Input up to 70m; Loopout up to 120m [3G-SDI] Input up to 200m; Loopout up to 200m	
Firmware update	USB-C Port	
Input	1x BNC(SDI) + 1x 3.5mm	
Output	1x USB-C + 1x HDMI + 1x BNC(SDI) + 1x 3.5mm + 1x Toslink	
HDMI connector	Type A [19-pin female]	
USB connector	USB 3.1 Type C (SuperSpeed USB)	
Software compatibility (not a complete list)	OBS Studio (Windows, Linux, MAC), AMCap (Windows), Potplayer (Windows), VLC (OS X, Linux), XSplit Broadcaster (Windows), Skype (Windows, OS X), Zoom (Windows), Hangout (Windows), TeamViewer (Windows)	
OS Support	Windows 7 /8.1 /10/11, Mac and Linux OS	
Mechanical		
Housing	Metal enclosure	
Dimensions [L x W x H]	Model	5.4" x 3.2" x 1.2" [137 x 81 x 30mm]
	Package	7.8" x 5.4" x 2.9" [198 x 137 x 74mm]
Weight	Model	7.3 oz [207g]
	Package	1 lbs [492g]
Power supply	5V DC	
Power consumption	8 Watts [max]	
Operation temperature	32~104°F / 0~40°C	
Storage temperature	-4~140°F / -20~60°C	
Relative humidity	20~90% RH [no condensation]	