

Electrical Parameters	Power Consumption	Maximum system power: 7 W; operating voltage: DC 10-33 V.
	Power Protection	Surge protection, reverse-polarity protection, low-voltage protection, and short-circuit overload protection.
Video Output Interfaces	AHD Video Output [Optional]	Supported. AHD 25/720P or 1080P output; standard GX12-4P aviation connector (female); for 360 stitched view.
	CVBS Video Output	Supported. Standard GX12-4P aviation connector (female); for 360 stitched view.
	VGA Video Output	Supported. Standard DB15 female connector, built-in DC 12 V regulated power supply, serial communication.
	AHD Video Output [Optional]	Supported. 4-channel vehicle-camera raw image output; standard GX12-4P aviation connector (female); camera raw images.
Video Input Interface	AHD Video Input	4-channel 1080P AHD 25 fps input; standard GX12-4P aviation connector; DC 12 V regulated power supply.
Storage Functions	MSATA SSD Storage	Supports MINI PCIe SSD storage, capacity 128 GB-2 TB.
	SD Card Storage	Standard SD card storage; supports 8-256 GB.
Physical Specifications	Product Dimensions	L x W x H = 130 x 29 mm.
	Product Weight	Host weight: 0.4 kg; complete unit: 2.9-4 kg (depending on cable length).
Camera Parameters	Camera Voltage	DC 8-16 V.
	Camera Power	Single camera: 0.5-1 W.
	Resolution	AHD 1920 x 1080P.
	Operating / Storage Temperature	Operating temperature: -30°C to +70°C; storage temperature: -40°C to +85°C.
	Video Frame Rate	Capture frame rate: 25 FPS.
	Waterproof Rating	IP68.
	Low Illumination	0.01 Lux.
	Vibration / Shock	Complies with MIL-STD-810F, Method 516.5.
	Horizontal Angle	210°.
	Vertical Angle	126°.
	Aperture	1.6 ± 5%.
	Focal Length	1.5 mm.
Recording Parameters	Video Format	H.265.
	Recording Resolution	4-channel combined 1920 x 1080P.
	File Size	Approx. 1.25 GB/hour.
Host Parameters	IP Protection Rating	IP51.
	Operating Temperature	-20°C to +70°C.
	Storage Temperature	-40°C to +80°C.
	Vibration / Shock	Complies with MIL-STD-810F, Method 516.5.
	Housing Material	Aluminum-alloy housing with anodized surface finish.