AC-IMX490 Series

IP67 + IP69K 5MP GMSL2 Camera with SONY IMX490 CMOS Sensor and ISP

Key Features

- SONY IMX490 CMOS sensor and GEO SEMI GW5300 ISP
- 2880x1860 uncompressed UYVY video output
- IP67 + IP69K waterproof on the lens side
- Enhanced edge focus and lens centering via 5-axis active adjustment

Technical Specification

	AC-IMX490-H30	AC-IMX490-H60	AC-IMX490-H120
HFOV	30.0°	62.5°	120°
F No.	F1.6	F1.7	F1.6
Object Distance	28M to infinity	7M to infinity	2.5M to infinity
Center Deviation	± 5 pixel on 50cm object	± 5 pixel on 50cm object	± 5 pixel on 50cm object
Dimension	28 x 28 x 53.5 mm (exclude FAKRA connector)	28 x 28 x 59 mm (exclude FAKRA connector)	28 x 28 x 59 mm (exclude FAKRA connector)
Weight	63 g	63 g	67.4 g
CMOS	SONY IMX490, 1/1.55" optical format with 3μm x 3μm pixel size		
ISP	GEO SEMI GW5300		
LFM (LED Flicker Mitigation)	Yes		
HDR (High Dynamic Range)	120dB		
Resolution	5MP (2880 x 1860) TV Lines center >= 1100. Corner 0.8F >=900		
FPS	30 FPS (Configurable by external framesync)		
Video Format	YUV422 (UYVY)		
Serializer	MAX9295		
Current Consumption	≤ 230mA @ 12V		
Waterproof	IP67 + IP69K on the lens side IP67 on the FAKRA side with waterproof FAKRA connector		
Lens Mounting	5-axis active adjustment with adhesive dispense		
Connector	Male FAKRA Z connector		
Warranty	3 years or 100,000 KM		
Operating Temperature	-40°C ~ 85°C		
Storage Temperature	-40°C ~ 95°C		

All other names, brands, products or services are trademarks or registered trademarks of their respective owners.

Dimension

AC-IMX490-H30

Unit : mm

AC-IMX490-H60

AC-IMX490-H120

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