

AC-ISX031 Series

IP67 + IP69K 3MP GMSL2 Camera with SONY ISX031 CMOS Sensor and ISP



Key Features

- SONY ISX031 CMOS sensor with in-built ISP
- 1920 x 1536 uncompressed UYVY video output
- IP67 + IP69K waterproof on the lens side
- Enhanced edge focus and lens centering via 5-axis active adjustment

Technical Specification

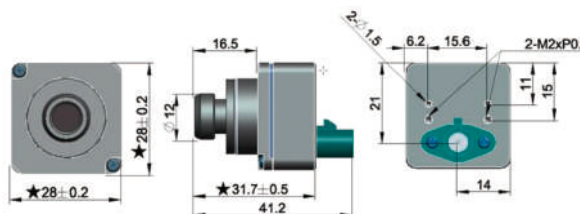
	AC-ISX031-H60	AC-ISX031-H120	AC-ISX031-H190
HFOV	63.9°	120.6°	195.9°
F No.	F1.6	F1.4	F2.0
TV Lines	Center >= 850 Corner 0.55F >= 700	Center >= 1000 Corner 0.65F >= 900	Center >= 950 Corner 0.65F >= 850
Center Deviation	± 5 pixel on 50cm object	± 5 pixel on 50cm object	± 5 pixel on 50cm object
Object Distance	3.1M to infinity	1M to infinity	0.5M to infinity
Dimension	28 x 28 x 31.7 mm (exclude FAKRA connector)	28 x 28 x 32.7 mm (exclude FAKRA connector)	28 x 28 x 28.6 mm (exclude FAKRA connector)
Weight	28.8 g	27.6 g	29.2 g
CMOS	SONY ISX031, 1/2.42" optical format with 3μm x 3μm pixel size		
ISP	SONY ISX031		
LFM (LED Flicker Mitigation)	Yes		
HDR (High Dynamic Range)	120dB		
Resolution	2.95MP (1920 x 1536)		
FPS	30 FPS (configurable by external framesync)		
Video Format	YUV422 (UYVY)		
Serializer	MAX9295		
Current Consumption	≤ 120mA @ 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		
EMC	CE/FCC Class A, according to EN 55032 & EN 55035 EN 50155 (reference to EN 50121-3-2)		

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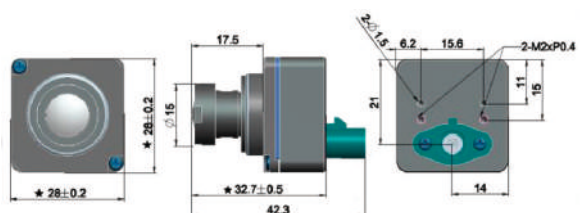
Dimension

Unit : mm

AC-ISX031-H60



AC-ISX031-H120



AC-ISX031-H190

