

AXIS F2137-RE Fisheye Sensor

5 MP discreet fisheye sensor

This sensor unit delivers 5 MP and a 185° horizontal field of panoramic view. With a small cylinder-shaped form factor, it offers discreet installation. Designed to work with AXIS F91 Main Units, it can be combined with up to three other sensor units for maximum flexibility. Reliable under rough conditions, it has an operating temperature range from -40 °C to 60°C (-40 °F to 140 °F). It's compatible with the same accessories as other F21 sensors to simplify procurement, installation, and upgrade. Furthermore, this rugged sensor features SMA connectors and can withstand shock and vibration.

- > **High-quality 5 MP resolution**
- > **185° horizontal field of view**
- > **Rugged sensor unit with SMA connector**
- > **Can be installed in vehicles and machinery**
- > **IP66-/IP67-/IP6K9K-rated**



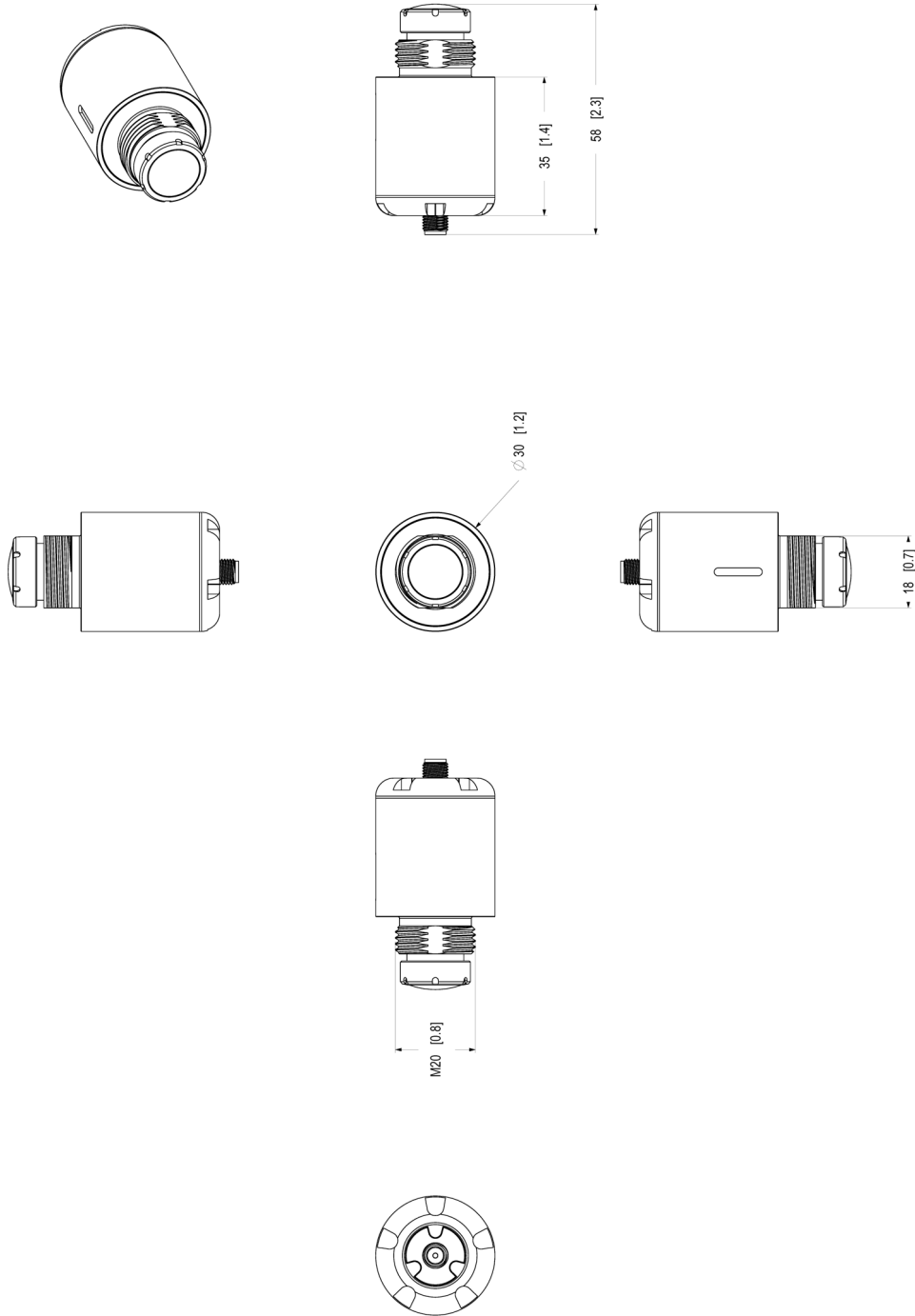
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Camera	
Image sensor	1/2.78" progressive scan RGB CMOS Pixel size 2.0 µm
Lens	Fixed focal, 1.98 mm, F2.0 Horizontal field of view: 185° Vertical field of view: 125° Minimum focus distance: 0.3 m (1.0 ft) M12 mount, fixed iris
Day and night	Fixed IR-cut filter
Minimum illumination	Color: 0.25 lux at 50 IRE, F2.0
Shutter speed	See AXIS F91 main units datasheet
Resolution	Maximum 2592x1944
WDR	Forensic WDR: Up to 120 dB depending on scene
Approvals	
EMC	CISPR 35, CISPR 32 Class A, EN 55035, EN 55032 Class A, EN 61000-6-1, EN 61000-6-2 Japan: VCCI Class A Korea: KS C 9835, KS C 9832 Class A USA: FCC Part 15 Subpart B Class A
Safety	CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN 62368-1 ed. 3, IEC/EN 60950-22, UN ECE R118
Environment	IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-64, IEC 60068-2-78, IEC TR 60721-4-5 Class 5M3 (Vibration Shock), IEC/EN 60529 IP66/IP67, IEC/EN 61373 Category 1 Class B, ISO 21207 (Method B), ISO 20653 IP6K9K, NEMA 250 Type 4X
Cybersecurity	
Documentation	<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> AXIS OS Software Bill of Material (SBOM) To download documents, go to axis.com/support/cybersecurity/resources To read more about Axis cybersecurity support, go to axis.com/cybersecurity
General	
Casing	IP66-, IP67-, IP6K9K- ^a , and NEMA 4X-rated Aluminum casing Color: black NCS S 9000-N
Power	Typical 1 W, max 1.8 W
Sustainability	PVC and BFR/CFR free

Connectors	SMA connector
Operating conditions	Temperature: -40 °C to 60 °C (-40 °F to 140 °F) Humidity: 10–100% RH (non-condensing)
Storage conditions	Temperature: -40 °C to 65 °C (-40 °F to 149 °F) Humidity: 5–95% RH (non-condensing)
Dimensions	For the overall product dimensions, see the dimension drawing in this datasheet. 58 mm (2.28 in) ø 29.8 mm (1.2 in)
Weight	54 g (0.1 lb)
Box content	Sensor, installation guide
Required hardware	AXIS TU6004-E Cable, AXIS TU6005 Plenum Cable, AXIS F91 Main Unit, AXIS TU6007-E Cable
Optional accessories	AXIS TU6002 Right-angle SMA adaptor For more accessories, go to axis.com/products/axis-f2137-re-fisheye-sensor#accessories
System tools	AXIS Site Designer, AXIS Device Manager, product selector, accessory selector, lens calculator Available at axis.com
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
Warranty	5-year warranty, see axis.com/warranty
Part numbers	Available at axis.com/products/axis-f2137-re-standard-sensor#part-numbers
Sustainability	
Substance control	PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709 RoHS in accordance with EU RoHS Directive 2011/65/EU and 2015/863, and standard EN IEC 63000:2018 REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see echa.europa.eu
Materials	To read more about sustainability at Axis, go to axis.com/about-axis/sustainability
Environmental responsibility	axis.com/environmental-responsibility Axis Communications is a signatory of the UN Global Compact, read more at unglobalcompact.org

a. In combination with a cable that has the same IP-rating

Dimension drawing



Dimensions in mm [inch]
Unit: mm
Scale: 1:1
Date: 3/18/12
Author: K1

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Highlighted capabilities

IP69

IP ratings (ingress protection) are defined as a two-digit code where the first digit is the level of protection against the intrusion of solid foreign objects and the second digit is the level of protection against the intrusion of water.

IP69 – the product is dust-tight and hot pressure water can't harm the product.

Rugged

Rugged is a term that for Axis modular and onboard products describes a device's endurance and stability in high vibration environments – over time. High vibration environments could be inside or close to machinery or inside vehicles. Rugged products from Axis are constructed to keep operating in these challenging conditions for the entire lifetime of the product.

For more information, see [axis.com/glossary](https://www.axis.com/glossary)