

AXIS F2115-R Varifocal Sensor

Discreet varifocal sensor with 1080p

AXIS F2115-R offers 1080p at 60 fps or 720p at 180 fps with AXIS F9111 Mk II, a 107° - 56° horizontal field of view, and good low-light performance in color. It uses cables (up to 30 m/ 98 ft) from Axis with SMA-FAKRA connectors to withstand vibrations and ensure a ruggedized installation. Based on a divided network camera concept, it offers discreet installation and only a small sensor visible externally. Reliable under rough conditions, this ruggedized indoor varifocal sensor unit can withstand temperatures as low as -40 °C and as high as 70 °C intermittently (-40 °F to 158 °F).

- > Up to 60 fps at 1080p
- > Up to 180 fps at 720p
- > 107° - 56° horizontal field of view
- > 3.2 – 5.7 mm focal length
- > Rugged sensor unit



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Camera

Image sensor

1/2.8" progressive scan RGB CMOS

Lens

Varifocal: 3.2–5.7 mm, F2.2–F3.1

For 1080p:

Horizontal field of view: 107.4°–56.3°

Vertical field of view: 57.3°–31.5°

For 720p:

Horizontal field of view: 68°–37°

Vertical field of view: 38°–21°

M12 mount, fixed iris

Minimum illumination

Color: 0.1 lux

Day and night

Fixed IR-cut filter

Frame rate

Up to 60/50 fps (60/50 Hz) in 1080p and up to 180/175 fps (60/50 Hz) in 720p¹

General

Casing

IP50

Aluminum

Color: black NCS S 9000-N

Sustainability

PVC and BFR/CFR free

Power

Typical 1 W, max 1.7 W

Connectors

SMA connector

Operating conditions

–40 °C to 60 °C (–40 °F to 140 °F)

Maximum temperature according to NEMA TS 2 (2.2.7):

74 °C (165 °F)

Start-up temperature: –40 °C (–40 °F)

Humidity 10–95% RH (non-condensing)

Storage conditions

–40 °C to 65 °C (–40 °F to 149 °F)

Humidity 5–95% RH (non-condensing)

Approvals

EMC

EN 55032 Class A, EN 55035, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, CISPR 35, RCM AS/NZS CISPR 32 Class A, KS C 9832 Class A, KS C 9835, EAC, ECE R10 rev.06

Safety

IEC/EN/UL 62368-1, CAN/CSA C22.2 No. 62368-1, 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 TR 60721-4-5 Class 5M3, IEC/EN 60529 IP50, IEC/EN 61373 Category 1 Class B, NEMA TS 2 (2.2.7-2.2.9)

Dimensions

50 mm (1.9 in)

ø 29.8 mm (1.2 in)

Weight

50 g (0.1 lb)

Required hardware

AXIS TU6004-E Cable, AXIS TU6005 Plenum Cable, AXIS F91 Main Unit

Included accessories

Installation guide

Optional accessories

For more accessories, see axis.com

Warranty

5-year warranty, see axis.com/warranty

1. For sensor units and main units capture mode specifications, see capture mode table.

Capture mode

Capture mode includes frame rate and shutter speed for the sensor unit in combination with different main units.

| Main unit | Resolution | Exposure | Frame rate (fps) (60/50Hz) | Shutter speed (seconds) |
|---|-----------------------------|-------------|-------------------------------|----------------------------|
| AXIS F9111 | 1080p: 1920x1080 | Without WDR | 60/50 | 1/27000 to 1 s |
| | | WDR | 30/25 | 1/20000 to 1.5 s |
| | 720p: 1280x720 ² | Without WDR | 180/175 | 1/32500 to 1/2 s |
| AXIS F9111-R Mk II | 1080p: 1920x1080 | Without WDR | 60/50 | 1/43500 to 1 s |
| | | WDR | 30/25 | 1/20000 to 1.5 s |
| | 720p: 1280x720 ² | Without WDR | 180/175 | 1/32500 to 1/2 s |
| AXIS F9114, AXIS F9114-B, AXIS F9104-B, AXIS F9114-R Mk II, AXIS F9114-B Mk II, AXIS F9104-B Mk II | 1080p: 1920x1080 | Without WDR | 30/25 | 1/20000 s to 1 s |
| | | WDR | 30/25 | 1/20000 s to 1 s |
| | 720p: 1280x720 ² | Without WDR | 60/50 | 1/32500 to 1/2 s |

2. No WDR support. To get WDR, use 1080p: 1920x1080 and scale down.

