

## 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



## AXIS F2115-R Varifocal Sensor

### 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 720p<sup>1</sup>

### 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](https://axis.com)

#### Warranty

5-year warranty, see [axis.com/warranty](https://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)<br>(60/50Hz) | Shutter speed<br>(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 <sup>2</sup> | 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 <sup>2</sup> | Without WDR | 180/175                       | 1/32500 to 1/2 s           |
| AXIS F9114, AXIS<br>F9114-B, AXIS<br>F9104-B, AXIS<br>F9114-R Mk II, AXIS<br>F9114-B Mk II, AXIS<br>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 <sup>2</sup> | Without WDR | 60/50                         | 1/32500 to 1/2 s           |

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

