

AXIS F4105-LRE Dome Sensor

Discreet mini dome sensor with IR

Ideal for various indoor and outdoor surveillance scenarios, this discreet dome sensor unit is designed for use with AXIS F91 main units to ensure lower installation and configuration costs. It connects to the main unit using cables up to 30 m (98 ft). It offers an 110° field of view for wide area coverage. Plus, it supports a wide range of exchangeable M12 lens options with different field of view. This robust sensor can withstand shock and vibrations and includes SMA connectors to ensure ruggedized installations. Additionally, with IR illumination, it delivers great image usability even in complete darkness.

- > **Only compatible with 2nd generation main units and cables**
- > **Rugged sensor unit**
- > **111° horizontal field of view**
- > **IP6K9K rated**
- > **Exchangeable M12 lenses**



AXIS F4105-LRE Dome Sensor

Camera

Image sensor

1/2.8" (effective) progressive scan RGB CMOS

Lens

2.8 mm, F1.6

For 1080p:

Horizontal field of view: 110°

Vertical field of view: 60°

For 720p:

Horizontal field of view: 70°

Vertical field of view: 39°

Day and night

Automatically removable infrared-cut filter

Minimum illumination

Color: 0.3 lux at 50 IRE, F2.0

0 lux with IR illumination on

Frame rate

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

Camera adjustment

Pan: ±180°

Tilt: 120°

Rotation: ±90°

Resolution

Maximum 1920x1080 HDTV 1080p

General

Casing

IK10-, IP66-, IP67-, and IP6K9K-rated plastic casing

Polycarbonate clear dome

Color: white NCS S 1002-B

Mounting

Mounting bracket with junction box holes (single-gang)

Sustainability

PVC and BFR/CFR free

Power

Typical 1.9 W, max 4.16 W

Connectors

SMA connector

IR illumination

IR with power-efficient, long-life 940 nm IR LEDs

Two individually adjustable IR LEDs

Range of reach 10 m (33 ft) or more depending on the scene

Operating conditions

With IR illumination off

-30 °C to 55 °C (-22 °F to 131 °F)

With IR illumination on

-30 °C to 45 °C (-22 °F to 113 °F)

Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)

Start-up temperature: -40 °C (-40°F)

Humidity 10–100% RH (condensing)

Storage conditions

-40 °C to 65 °C (-40 °F to 149 °F)

Humidity 5–95% RH (non-condensing)

Approvals

EMC

ECE R10 rev.06, EN 50498, EN 55035, EN 55032 Class B, EN 50121-4, EN 50121-3-2, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-3(B)/NMB-3(B), IEC 62236-4, KS C 9835, KS C 9832 Class B, RCM AS/NZS CISPR 32 Class B, VCCI Class B

Safety

CAN/CSA C22.2 No. 62368-1 ed. 3, IEC/EN/UL 62368-1 ed. 3, IEC/EN 62471 risk group exempt, IS 13252, NFPA 130, UN ECE R118

Environment

EN 50155:2017 Class OT2/ST2, IEC 60068-2-27, IEC 60068-2-64, IEC 60721-3-5 Class 5M3, IEC/EN 62262 IK10, IEC 60529 IP66, IEC 60529 IP67, ISO 20653 IP6K9K, NEMA 250 Type 4X

Dimensions

Height: 54 mm (2.1 in)

ø 112 mm (4.4 in) 55 mm (2.2 in)

Cable length: 116 mm (4.55 in)

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

Weight

240 g (0.53 lb)

Required hardware

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

Included accessories

Installation guide, lens tool

Optional accessories**Lenses**

Lens M12 2.1 mm F1.8 IR: horizontal field of view 151°

Lens M12 3.6 mm F1.8 IR: horizontal field of view 88°

Lens M12 6 mm, F1.9 IR: horizontal field of view 58°

Lens M12 8 mm F1.8 IR: horizontal field of view 42°

Other

AXIS T94D02S Curved Mount Bracket

For more accessories, see *axis.com*

Warranty

5-year warranty, see *axis.com/warranty*

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.



