

# 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 111° 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.

- > Up to 60 fps at 1080p and 180 fps at 720p
- > 111° field of view
- > IR illumination
- > For sterile environments
- > Exchangeable M12 lenses



## AXIS F4105-LRE Dome Sensor

| Camera                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | With IR illumination on<br>-30 °C to 45 °C (-22 °F to 113 °F)<br>Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C (165 °F)<br>Start-up temperature: -40 °C (-40°F)<br>Humidity 10–100% RH (condensing) |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image sensor            | 1/2.8" (effective) progressive scan RGB CMOS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                 |
| Lens                    | 2.8 mm, F1.6<br>For 1080p:<br>Horizontal field of view: 110°<br>Vertical field of view: 60°<br>For 720p:<br>Horizontal field of view: 70°<br>Vertical field of view: 39°                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                 |
| Day and night           | Automatically removable infrared-cut filter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| Minimum illumination    | Color: 0.3 lux at 50 IRE, F2.0<br>0 lux with IR illumination on                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                 |
| Shutter speed           | With AXIS F9111:<br>1080p, 25/30 fps: 1/20000 s to 1.5 s<br>1080p, 50/60 fps: 1/27000 s to 1 s<br>HDTV 720p, 175/180 fps: 1/32500 s to 0.5 s<br>With AXIS F9104-B, F9114 and F9114-B:<br>1080p, 25/30 fps: 1/20000 s to 1.5 s<br>HDTV 720p, 50/60 fps: 1/32500 s to 0.5 s                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                 |
| Camera angle adjustment | Pan: ±180°<br>Tilt: 120°<br>Rotation: ±90°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                 |
| Resolution              | Maximum 1920x1080 HDTV 1080p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                 |
| WDR                     | WDR – Forensic Capture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                 |
| General                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                 |
| Casing                  | IK10-, IP66-, IP67-, and IP6K9K-rated plastic casing<br>Polycarbonate clear dome<br>Color: white NCS S 1002-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                 |
| Mounting                | Mounting bracket with junction box holes ( single-gang)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                 |
| Sustainability          | PVC and BFR/CFR free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                 |
| Power                   | Typical 3.7 W, max 5.0 W<br>IR illumination on: typical 2.68 W, max 4.16 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                 |
| Connectors              | SMA connector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                 |
| IR illumination         | IR with power-efficient, long-life 940 nm IR LEDs<br>Two individually adjustable IR LEDs<br>Range of reach 10 m (33 ft) or more depending on the scene                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                 |
| Operating conditions    | With IR illumination off<br>-30 °C to 55 °C (-22 °F to 131 °F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |
| Storage conditions      | -40 °C to 65 °C (-40 °F to 149 °F)<br>Humidity 5–95% RH (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                 |
| Approvals               | EMC<br>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<br>Safety<br>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<br>Environment<br>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              | Depth: 83 mm (3.3 in)<br>ø 112 mm (4.4 in) 54.4 mm (2.14 in)<br>Cable length: 100 mm (3.93 in)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |
| Weight                  | 590 g (1.3 lb)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |
| Required hardware       | AXIS TU6004 CL2 Cable SMA-FAKRA or AXIS TU6005 Plenum Cable SMA-FAKRA<br>AXIS F91 Main Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| Included accessories    | Installation Guide, lens tool                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                 |
| Optional accessories    | Lenses<br>Lens M12 2.1 mm F1.8 IR: horizontal field of view 151°<br>Lens M12 3.6 mm F1.8 IR: horizontal field of view 88°<br>Lens M12 6 mm, F1.9 IR: horizontal field of view 58°<br>Lens M12 8 mm F1.8 IR: horizontal field of view 42°<br>Other<br>AXIS T94D02S Curved Mount Bracket<br>For more accessories, see <a href="https://axis.com">axis.com</a>                                                                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| Warranty                | 5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |