

September 2016

AXIS F Series.

Flexible cameras that let you see more

www.axis.com

AXIS F Series



Flexible cameras that let you see more

- > New additions:
 - AXIS F44 Dual Audio Input Main Unit (update of AXIS F44)
 - AXIS F1004 Bullet Sensor Unit
 - AXIS F1004 Pinhole Sensor Unit

- > [See AXIS F videos](#)



Flexible cameras that let you see more...



...in backlight scenario



...details and color at night



...with four separate views from one area

With models that enable/support

- > Indoor, outdoor and in-vehicle surveillance
- > Wide Dynamic Range – Forensic Capture and superb low-light performance
- > Cost-effective multi-view surveillance, with one unit supporting four cameras
- > Two-way audio, input/output ports for external devices, integration of external data, built-in SD card slots

Key applications

- > For exceptionally discreet installation or where space is limited
- > Ideal for stores, banks, offices, hotels and architectural buildings



ATM (with circled areas where camera can be installed) / **automated pay stations**



Doorways / entrances



Ceilings / walls



Elevators

Key applications

> Ideal for emergency vehicles, buses, trams and trucks



Police cars



Ambulances



Fire trucks



Buses

AXIS F Series – Flexible and discreet



- > Divided network camera concept
 - Main and sensor units sold separately, except for AXIS F34 Surveillance System
- > Place the small sensor unit where needed and main unit out of view
- > Allows greater flexibility
 - In installation: sensor units can be installed discreetly and in tight places
 - Mix and match: units can be easily changed once application requirements change

AXIS F Series – Flexible and discreet









> Main units

- Choice of 1 or 4 channels
- Unit determines video streaming performance, wide dynamic range capability, video analytics, operating environment










> Sensor units

- Choice of indoor, outdoor, standard, varifocal, pinhole, fisheye, bullet-style and dome sensor units
- Unit determines max. image resolution, field of view, support for wide dynamic range, operating environment

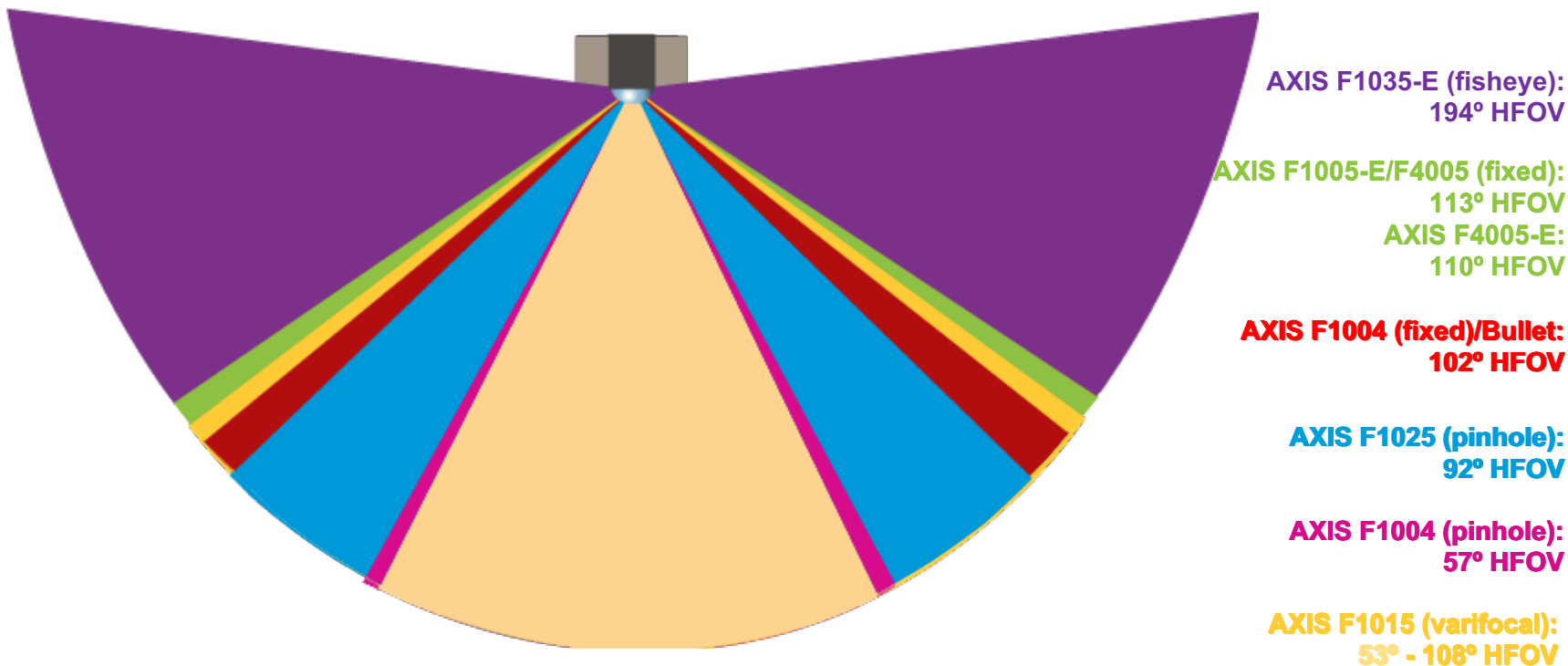
AXIS F Main Units

Main units			
	1 channel	4 channels	
Indoor	<p>AXIS F41 HDTV 1080p, WDR - Forensic Capture, Zipstream, audio, I/O, SD card slot, rugged</p> 	<p>AXIS F34 1080p/ HDTV 720p, Zipstream SD card slots</p> 	<p>AXIS F44 Dual Audio Input 1080p/ HDTV 720p, WDR – Forensic Capture, Zipstream audio, I/O, SD card slots, rugged</p> 
			

AXIS F Sensor Units

Compatible sensor units						
Indoor	<p>AXIS F1004 Fixed 102° horizontal FoV 8 m (26 ft) cable</p> 	<p>AXIS F1004 Bullet 102° horizontal FoV 8 m (26 ft) cable</p> 	<p>AXIS F1004 Pinhole 57° horizontal FoV 8 m (26 ft) cable</p> 	<p>AXIS F1015 Varifocal 53° to 108° horizontal FoV 3 m / 12 m cable (10 ft / 39 ft)</p> 	<p>AXIS F1025 Pinhole 92° horizontal FoV 3 m / 12 m cable (10 ft / 39 ft)</p> 	<p>AXIS F4005 Fixed 113° horizontal FoV 12 m (39 ft) cable</p> 
	Indoor/Outdoor			<p>AXIS F1005-E Fixed 113° horizontal FoV 3 m / 12 m cable (10 ft / 39 ft)</p> 	<p>AXIS F1035-E Fisheye 194° horizontal FoV 3 m / 12 m cable (10 ft / 39 ft)</p> 	<p>AXIS F4005-E Fixed 110° horizontal FoV 12 m (39 ft) cable</p> 

AXIS F Sensor Units – Horizontal field of view (HFOV)



Following sections

- **AXIS F Main Units** (Slide 12)
- **AXIS F Sensor Units** (Slide 24)
- **Accessories at a glance** (Slide 58)
- **AXIS F34 Surveillance System** (Slide 61)
- **Naming structure** (Slide 63)

AXIS F Main Units

- **1 channel:**
 - AXIS F41 (full-featured, high-performance)
- **4 channels:**
 - AXIS F34 (multi-view, bare essentials)
 - AXIS F44 Dual Audio Input (multi-view, high-performance)
- Support for Axis' Corridor Format
- Video management software

1-channel AXIS F41 Main Unit – Features and benefits

- > Rugged and high-performance
 - Suitable for a wide range of applications
- > Supports one AXIS F Sensor Unit
 - Sensor units can be placed up to 8, 12 or 15 meters (26, 39 or 49 ft.) away from the main unit depending on the sensor unit and if a cable accessory is supported
- > Wide Dynamic Range (WDR) – Forensic Capture* for scenes with backlight and high-contrast lighting, enabling details in both bright and dark areas to be visible
- > HDTV 1080p* video at up to 50/60 fps for smoother video of fast-moving objects
- > HDTV 1080p* at up to 25/30 fps with WDR – Forensic Capture
- > Zipstream technology for efficient video compression that saves bandwidth and storage space

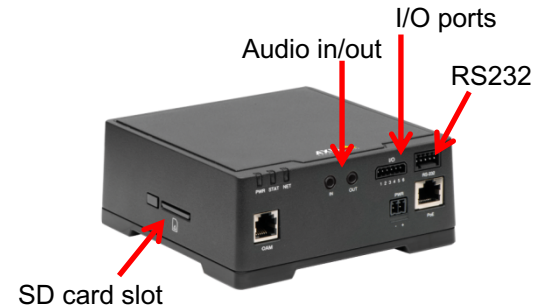


RJ12 connector to link to 1 sensor unit

*Applicable for all sensor units except AXIS F1004, AXIS F1004 Bullet, AXIS F1004 Pinhole

1-channel AXIS F41 Main Unit – Features and benefits

- > Two-way audio for remote listening and speaking; can be used to get a fuller picture of events or deter a potential crime
- > Four configurable input/output ports to external devices for enhanced alarm management
- > RS232 port for integration of external data (e.g. point of sale data) to the video
- > Full-sized SD card slot for local storage of recordings



1-channel AXIS F41 Main Unit – Features and benefits

- > Power over Ethernet or external power supply
- > Intelligent video
 - Video motion detection, tampering alarm
 - Analytics that are based on
AXIS Camera Application Platform
- > Withstands vibration, shock, bump and temperature fluctuations; ideal for use in a vehicle



Operating temperature:
-30 °C to 60 °C (-22 °F to 140 °F)

4-channel AXIS F34 Main Unit – Features and benefits

- > Supports four sensor units for surveillance of four closely situated areas
 - Sensor units can be placed up to 8, 12 or 15 meters (26, 39 or 49 ft.) away from the main unit depending on the sensor unit and if a cable accessory is supported
- > Simultaneous video streaming from four sensor units through one Ethernet port:
 - 1080p* at 12.5/15 fps (50/60 Hz) or
 - HDTV 720p at 25/30 fps (50/60 Hz)
- > Quad view – combines four separate views from connected sensor units into one for simultaneous viewing
- > Zipstream technology for efficient video compression that saves bandwidth and storage space

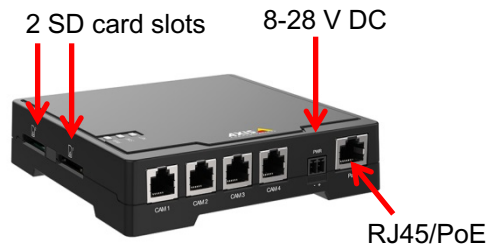


RJ12 connectors to link to 4 sensor units

*Applicable for all sensor units except AXIS F1004, AXIS F1004 Bullet, AXIS F1004 Pinhole

4-channel AXIS F34 Main Unit – Features and benefits

- > Two full-sized SD card slots
- > Power over Ethernet or external power supply
- > Intelligent video
 - Video motion detection, tampering alarm
 - Analytics that are based on AXIS Camera Application Platform



Operating temperature:
0 °C to 40 °C (32 °F to 104 °F)

4-channel AXIS F34 Main Unit – Benefits

- > Features pared-down to essentials for a cost-efficient, multi-view surveillance solution
- > Cost-effective using just one main unit
 - Lower cost for switch; number of ports required is reduced from four to one
 - Lower license cost for VMS: one MAC address means one license for some video management software
 - Easier installation
 - Total system cost may be lower when compared with the cost of four similar and separate network cameras
- > Easy to mount with rubber feet or brackets

NOTE:

AXIS F34 Surveillance System is available for a complete 4-camera solution in one package (See slide 61)



Rubber feet



Mount brackets

4-channel AXIS F44 Dual Audio Input – Features and benefits

- > Rugged, high-performance multi-view solution
 - Suitable for a wide variety of applications
- > Four sensor units for surveillance of four closely situated areas
 - Sensor units can be placed up to 8, 12 or 15 meters (26, 39 or 49 ft.) away from the main unit depending on the sensor unit and if a cable accessory is supported
- > Wide Dynamic Range – Forensic Capture*, enabling details in very bright and dark areas to be visible; supported on all four channels
- > Simultaneous video streaming from four sensor units through one Ethernet port:
 - 1080p* at 12.5/15 fps (50/60 Hz) or HDTV 720p at 25/30 fps (50/60 Hz)
 - 720p at 12.5/15 fps with WDR – Forensic Capture*
- > Quad view – combines four separate views from connected sensor units into one for simultaneous viewing

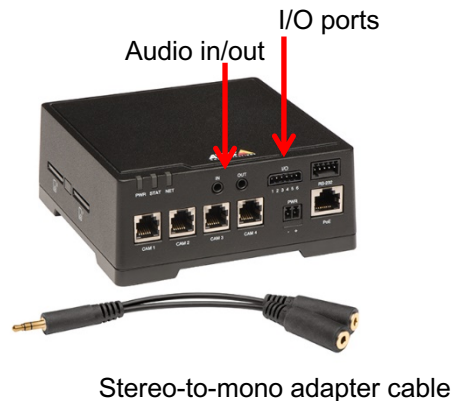


RJ12 connectors to link to 4 sensor units

*Applicable for all sensor units except AXIS F1004, AXIS F1004 Bullet, AXIS F1004 Pinhole

4-channel AXIS F44 Dual Audio Input – Features and benefits

- > Zipstream technology for efficient video compression that saves bandwidth and storage space
- > Cost-effective using just one main unit
 - Lower cost for switch; number of ports required is reduced from four to one
 - Lower license cost for VMS: one MAC address means one license for some video management software
 - Easier installation
 - Total system cost may be lower when compared with the cost of four similar and separate network cameras
- > Dual audio input supports use of two microphones
- > Two-way audio for remote listening and speaking; can be used to get a fuller picture of events or deter a potential crime
- > Four configurable input/output ports to external devices for enhanced alarm management



4-channel AXIS F44 Dual Audio Input – Features and benefits

- > RS232 port for integration of external data (e.g. point of sale data) to the video
- > Two full-sized SD card slots for local storage of recordings
- > Power over Ethernet or external power supply
- > Intelligent video
 - Video motion detection, tampering alarm
 - Analytics that are based on AXIS Camera Application Platform
- > Withstands vibration, shock, bump and temperature fluctuations; ideal for use in a vehicle



Operating temperature:
-30 °C to 60 °C (-22 °F to 140 °F)

AXIS F Main Units – Support for Corridor Format

- > Optimizes view for vertically oriented surveillance applications
 - E.g. Store aisle, side view of bus
- > Delivers a 9:16 video stream from the camera
 - Utilizes the whole image sensor
 - Full resolution images
- > Eliminates bandwidth and storage waste



Video management with supported software solutions

- > AXIS Camera Companion
(free download from www.axis.com)
- > AXIS Camera Station and a broad range of third-party video management systems (sold separately)
- > Support for AXIS Camera Application Platform, enabling the download of intelligent video solutions from Axis' Application Development Partners (sold separately)

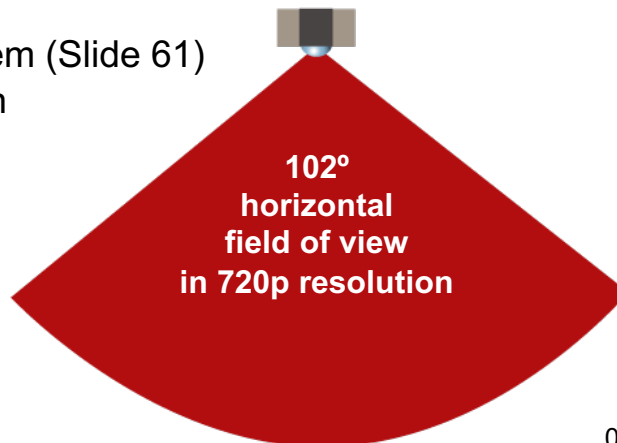


AXIS F Sensor Units

- **AXIS F1004 (Fixed)**
 - Snapshot: indoor
 - Optional accessories
- **AXIS F1004 Bullet**
- **AXIS F1004 Pinhole**
- **AXIS F1005-E (Fixed)**
 - Optional accessories
 - Snapshots: indoor, outdoor, bus
- **AXIS F4005-E (Dome)**
 - Snapshots: Bus
- **AXIS F4005 (Dome)**
 - Snapshots: indoor, outdoor
- **AXIS F1015 (Varifocal)**
 - Optional accessories
 - Snapshots: indoor
- **AXIS F1025 (Pinhole)**
 - Optional accessories
 - Snapshots: indoor
- **AXIS F1035-E (Fisheye)**
 - Optional accessories
 - Snapshots: indoor, outdoor, bus

AXIS F1004 Sensor Unit – Small in size and price

- > Thumb-sized 720p sensor unit for highly discreet indoor surveillance solution
- > Cost-effective when four AXIS F1004s are used with AXIS F34 Main Unit for monitoring four closely situated areas
 - See AXIS F34 Surveillance System (Slide 61) for a complete, packaged solution
- > Detachable 8-m (26 ft.) cable for ease of installation



Included accessories:
i) flush mount kit for wall/ceiling installation,
ii) detachable cable to main unit

Operating temperature:
0 °C to 50 °C (32 °F to 122 °F)

AXIS F1004 Sensor Unit – Small in size and price

- > Thumb-sized 720p sensor unit for highly discreet indoor surveillance solution
- > Cost-effective when four AXIS F1004s are used with AXIS F34 Main Unit for monitoring four closely situated areas
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- > Detachable 8-m (26 ft.) cable for ease of installation



Snapshot from AXIS F1004

AXIS F1004 Sensor Unit – Optional accessories

> AXIS F1004 is Axis' smallest fixed/recessed dome offering when used with the following accessories:

- AXIS F8214 Dome Accessory for surface mounts; may be used with/without clear dome cover (4/pack)
- AXIS F8224 Recessed Mount (4/pack)
- Diameter for both: 7 cm (3 in.)
- Accessories enable sensor unit to be tilted to the desired viewing direction

> Other accessories:

- AXIS F8204 Mounting Band (10/pack)
- Mounting bracket for AXIS P1214/P1214-E/P1224-E (5/pack)
- AXIS F7315 Cable White 15 m when requiring a longer cable (15 m/49 ft.) between an AXIS F1004 and a main unit



Recessed mounting



Surface mounting



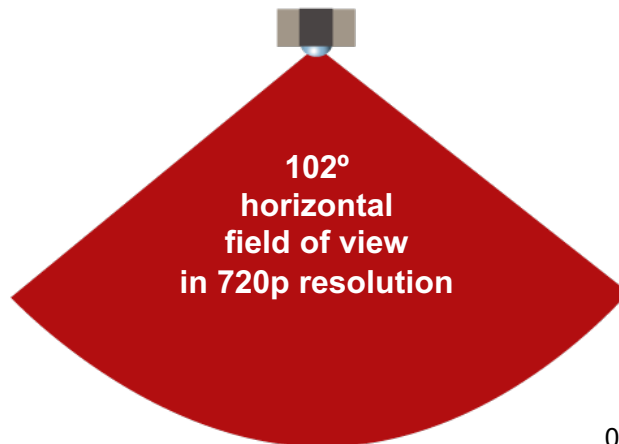
Surface mounting

AXIS F1004 Bullet Sensor Unit – For easy installation

- > Bullet-style 720p sensor unit for easy mounting on ceilings/walls, enabling a discreet indoor surveillance solution
- > Enables easy tilt and rotation
- > Detachable 8-m (26 ft.) cable for ease of installation

Optional accessory:

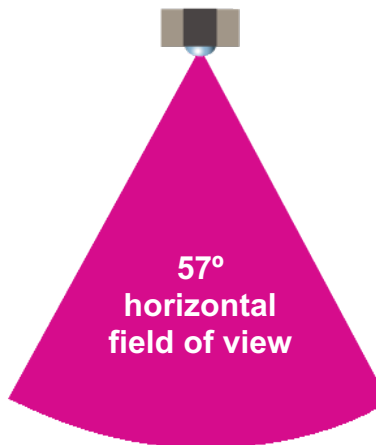
- > AXIS F7315 Cable White 15 m when requiring a longer cable (15 m/49 ft.) between sensor unit and main unit



Operating temperature:
0 °C to 50 °C (32 °F to 122 °F)

AXIS F1004 Pinhole Sensor Unit – Pinhole lens

- > Extremely discreet with only a small hole required for the unit
- > Ideal for indoor installation in tight spaces; can be flush-mounted behind a thin metal sheet in a doorway or in an ATM
- > 720p sensor unit with pinhole lens



With 8 m (26 ft) cable

Included accessory:
Straight bracket for mounting
on flat surface

Operating temperature:
0 °C to 50 °C (32 °F to 122 °F)

AXIS F1004 Pinhole Sensor Unit – Optional accessories

> AXIS F8204 Mounting Band (10/pack)

- Aluminum band that can be shaped as required

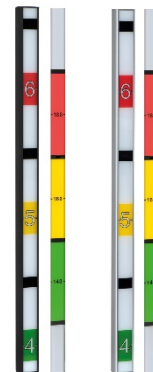


Surface mounting

> AXIS F9201 Silver/Black Height Strip Housing

- Ideal at entrances; helps witnesses gauge the height of fleeing person
- Comes with two height strips in metric and imperial measurements

In height strip housing

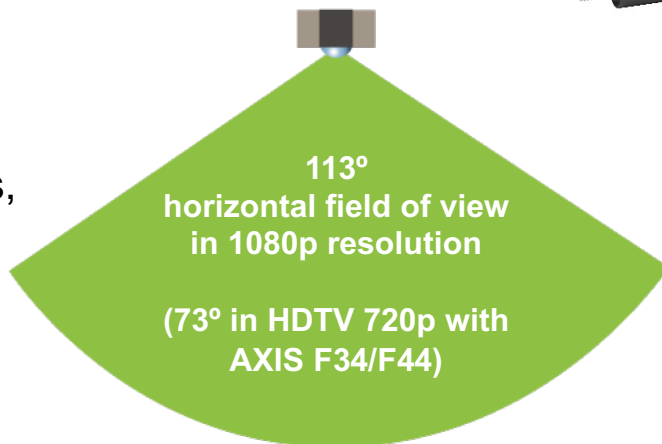


> AXIS F7315 Cable White 15 m when requiring a longer cable (15 m/49 ft.) between sensor unit and main unit



AXIS F1005-E Sensor Unit – Fixed lens

- > For use in limited spaces / inside or outside of vehicles
- > 1080p sensor unit
- > WDR – Forensic Capture (with AXIS F41/F44)
- > IP66- and NEMA 4X-rated
- > Withstands dust, rain, snow, ice, temperature fluctuations, vibrations, shocks



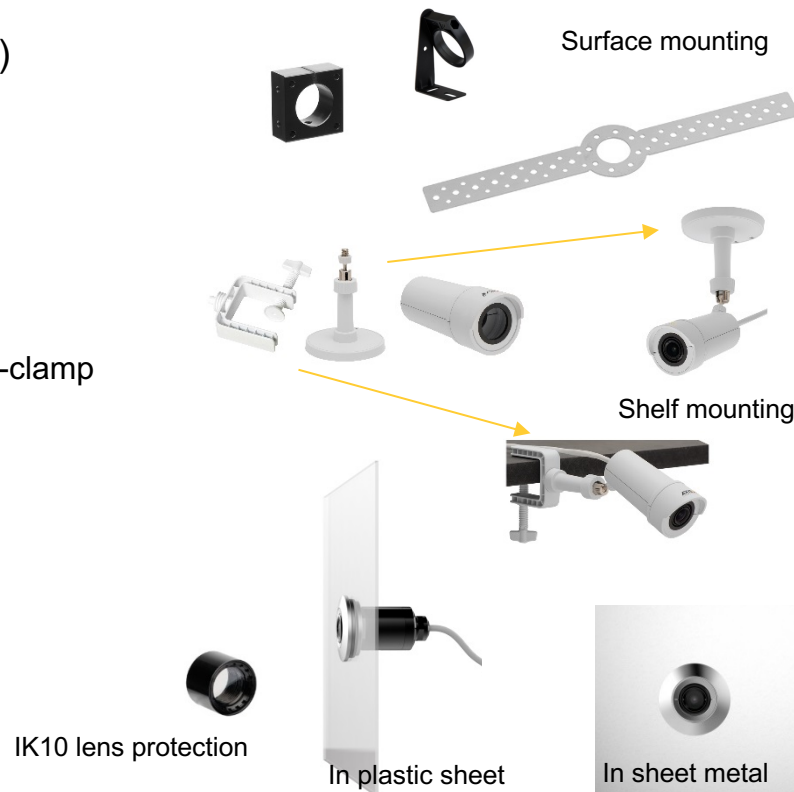
With 3 or 12 m (10 or 39 ft) cable

Included accessory:
Vari-angle mounting bracket to
secure unit in desired position

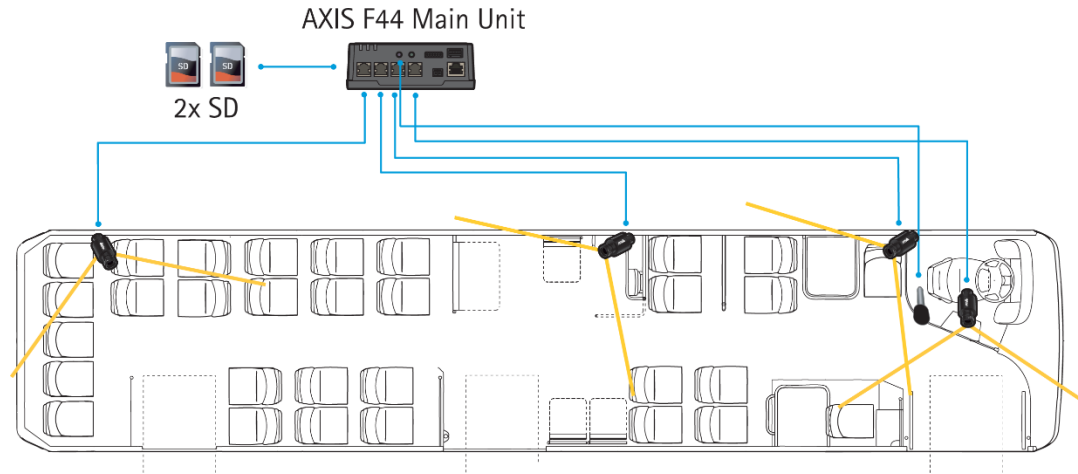
Operating temperature:
-30 °C to 55 °C (-22 °F to 131 °F)

AXIS F1005-E Sensor Unit – Optional accessories

- > AXIS F8201 Vari-angle Mounting Bracket (5/pack)
- > AXIS F8203 Fixed Mount Bracket (5/pack)
- > AXIS F8204 Mounting Band (10/pack)
 - Aluminum band that can be shaped as required for mounting on a surface
- > AXIS F8205 Bullet Accessory
 - Comes with stand for mounting on a surface and C-clamp for mounting on a shelf
- > AXIS F8212 Trim Ring (10/pack)
 - For mounting on plastic/glass/metal panel with a max. thickness of 11.5 mm (7/16 in.)
- > AXIS F8401 Clear Lens Protector (5/pack)
 - Provides IK10 impact resistance
 - Protects lens from stone chips



Bus application – 1 AXIS F44, 4 AXIS F1005-E, 1 AXIS T83 Microphone



1 AXIS F44 and 4 AXIS F1005-Es – Separate 1080p views

Cam 1



Cam 2



Horizontal viewing angle
for each camera: 113°

Cam 3



Cam 4



1 AXIS F44 and 4 AXIS F1005-Es – Separate HDTV 720p views

Cam 1



Cam 2



Horizontal viewing angle
for each camera:
73° (cropped view)

Cam 3



Cam 4



AXIS F44 and AXIS F1005-E – Quad view from a bus



Quad view provides simultaneous viewing of four separate views in one stream

AXIS F41 and AXIS F1005-E – Mixed lighting at night

No WDR – Forensic Capture



WDR – Forensic Capture



WDR – Forensic Capture allows details in bright and dark areas to be seen

AXIS F4005-E Dome Sensor Unit – Fixed lens

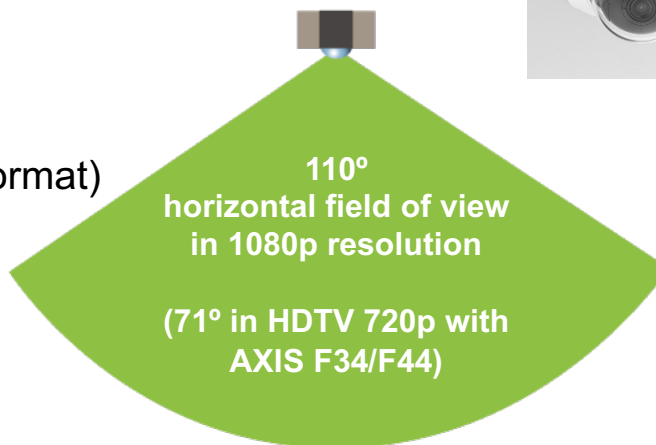
- > Out-of-the-box recessed dome sensor unit for quick installation in walls or ceilings
- > For use indoors, outdoors, inside buses and emergency vehicles
- > 1080p sensor unit
- > WDR – Forensic Capture (with AXIS F41/F44)
- > Tilt range: 120°, Rotation: 90° (Axis' Corridor Format)
- > IP66- and IK09-rated
- > Withstands dust, rain, snow, ice, temperature fluctuations, vibrations, shocks



Diameter 11 cm (4 in)
With 12 m (39 ft) cable

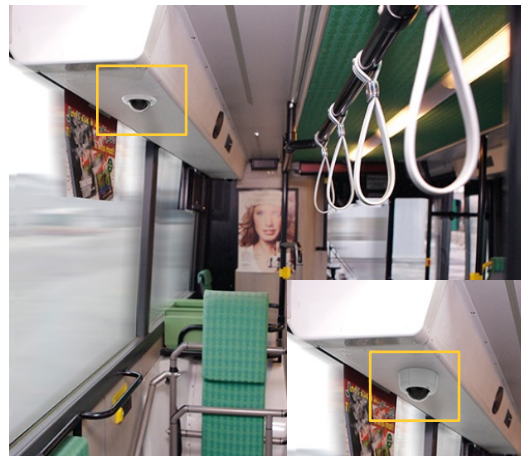
Included accessory:
Rotation tool for sensor unit to level the image,
Surface mount adapter

Operating temperature:
-30 °C to 55 °C (-22 °F to 131 °F)

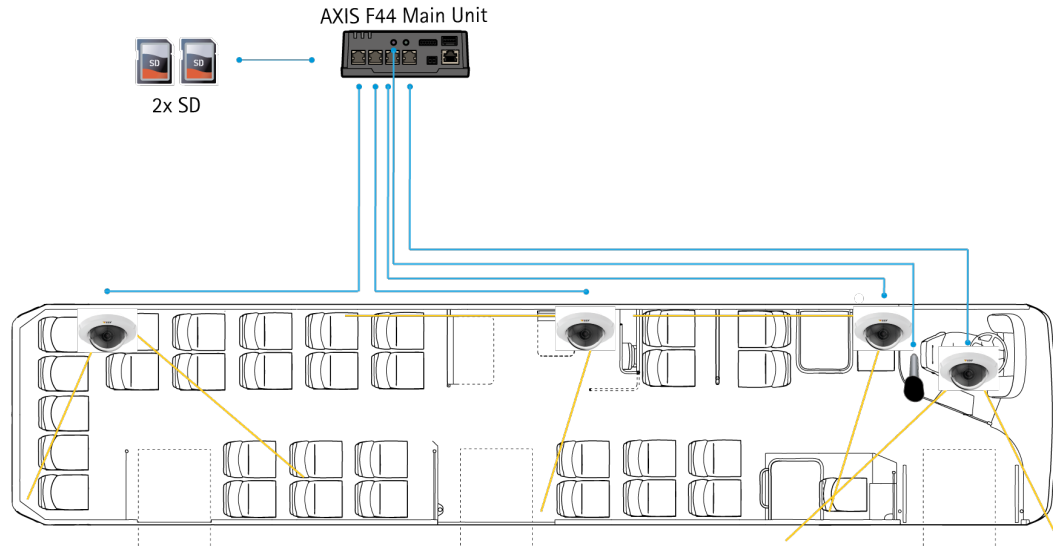


AXIS F4005-E Dome Sensor Unit – Fixed lens

- > Out-of-the-box recessed dome sensor unit for quick installation in walls or ceilings
- > For use indoors, outdoors, inside buses and emergency vehicles
- > 1080p sensor unit
- > WDR – Forensic Capture (with AXIS F41/F44)
- > Tilt range: 120°, Rotation: 90° (Axis' Corridor Format)
- > IP66- and IK09-rated
- > Withstands dust, rain, snow, ice, temperature fluctuations, vibrations, shocks

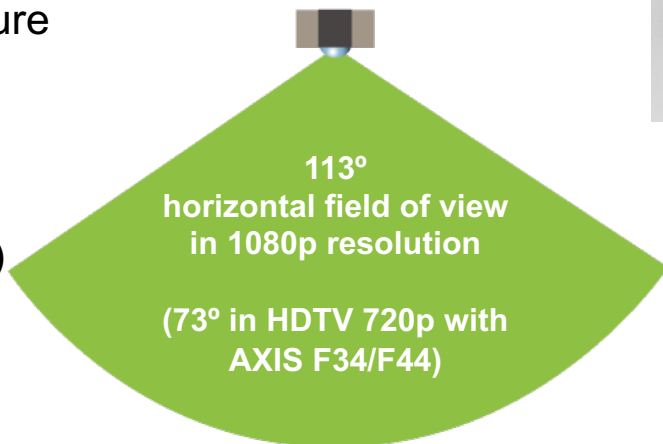


Bus application – 1 AXIS F44, 4 AXIS F4005-Es, 1 AXIS T83 Microphone



AXIS F4005 Dome Sensor Unit – Fixed lens

- > Out-of-the-box recessed dome sensor unit for quick installation indoors in walls or ceilings
- > 1080p sensor unit
- > WDR – Forensic Capture (with AXIS F41/F44)
- > Tilt range: 120°
Rotation: 90°
(Axis' Corridor Format)



Diameter 11 cm (4 in)
With 12 m (39 ft) cable

Included accessory:
Rotation tool for sensor unit
to level the image,
Surface mount adapter

Operating temperature:
-30 °C to 55 °C (-22 °F to 131 °F)

AXIS F4005 Dome Sensor Unit – Fixed lens

- > Out-of-the-box recessed dome sensor unit for quick installation indoors in walls or ceilings
- > 1080p sensor unit
- > WDR – Forensic Capture (with AXIS F41/F44)
- > Tilt range: 120°
Rotation: 90°
(Axis' Corridor Format)



AXIS F41 and AXIS F1005-E/F4005/F4005-E – Handling backlight

No WDR – Forensic Capture



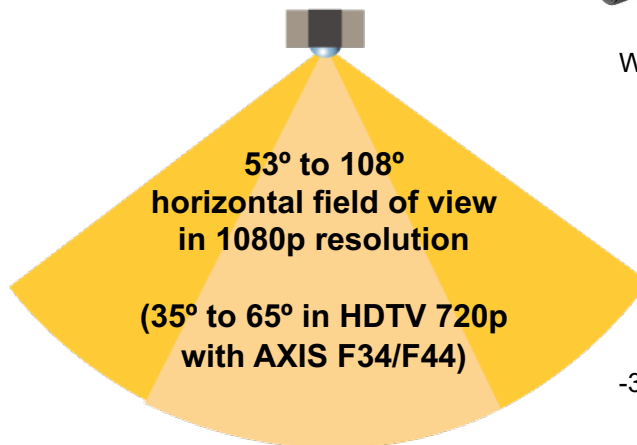
WDR – Forensic Capture



WDR – Forensic Capture allows details in bright and dark areas to be seen

AXIS F1015 Sensor Unit – Varifocal lens

- > Ideal for indoor installation in limited spaces
- > 1080p sensor unit with varifocal lens
- > Adjustable field of view
 - Tele mode for zooming in and capturing finer details in a narrower field of view
 - Wide mode for covering more of a scene
- > WDR – Forensic Capture (with AXIS F41/F44)



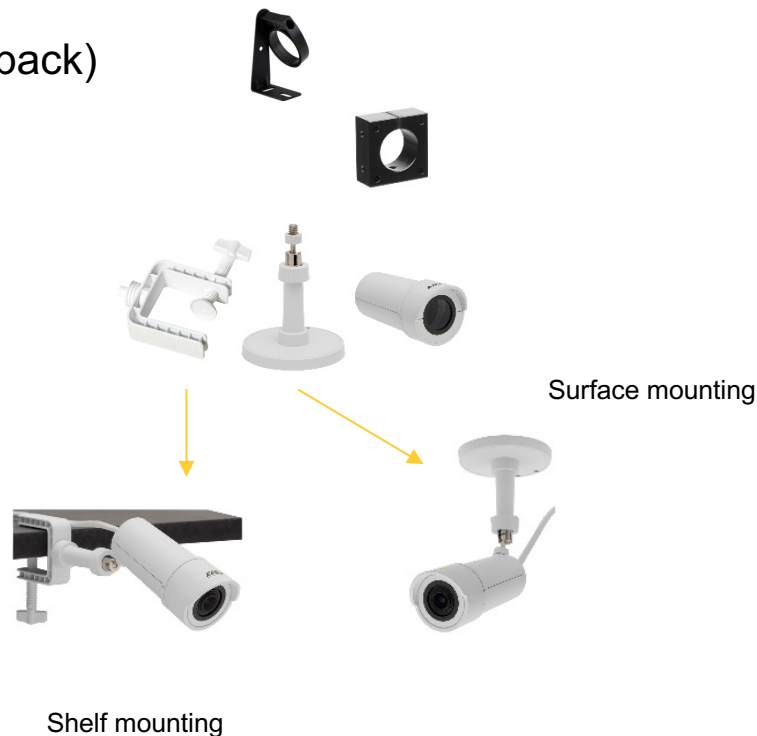
With 3 or 12 m (10 or 39 ft) cable

Included accessory:
Vari-angle mounting bracket to
secure unit in desired position

Operating temperature:
-30 °C to 55 °C (-22 °F to 131 °F)

AXIS F1015 Sensor Unit – Optional accessories

- > AXIS F8201 Vari-angle Mounting Bracket (5/pack)
- > AXIS F8203 Fixed Mount Bracket (5/pack)
- > AXIS F8215 Varifocal Bullet Accessory
 - Comes with stand and C-clamp



AXIS F41 and AXIS F1015 with WDR – Forensic Capture

Tele view

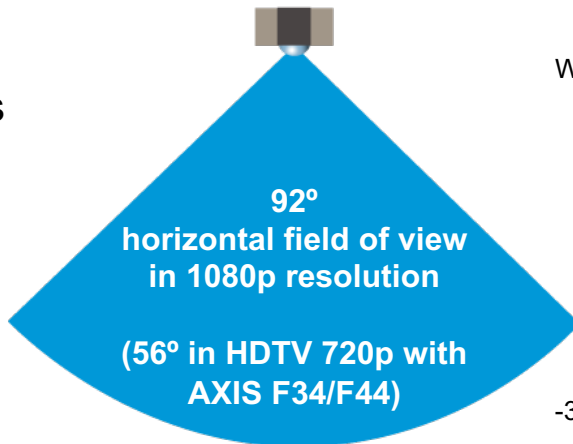


Wide-angle view



AXIS F1025 Sensor Unit – Pinhole lens

- > Extremely discreet with only a small hole required for the sensor unit
- > Ideal for indoor installation in tight spaces; can be flush-mounted behind a thin metal sheet in a doorway or in an ATM
- > 1080p sensor unit with pinhole lens
- > WDR – Forensic Capture (with AXIS F41/F44)



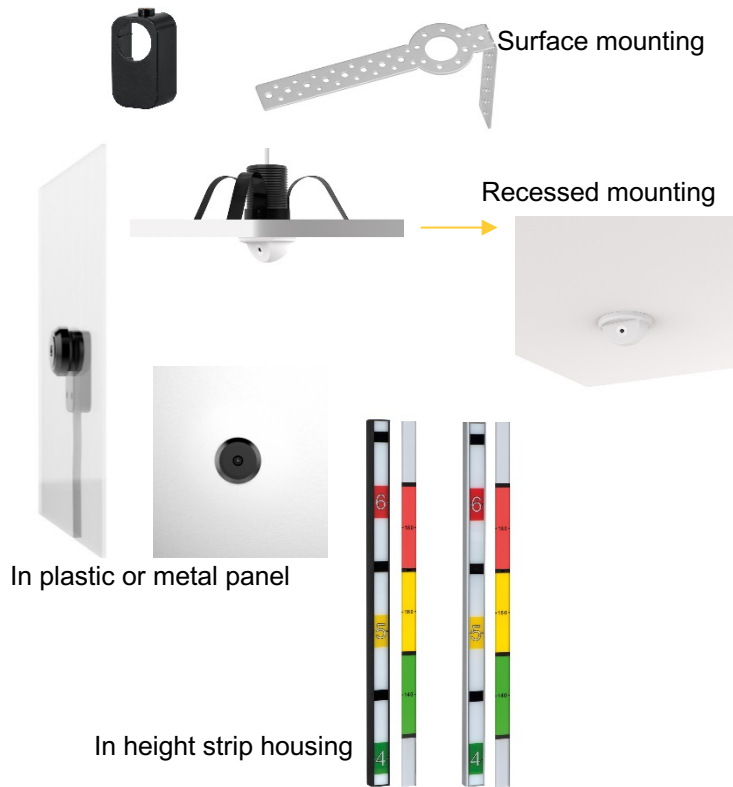
With 3 or 12 m (10 or 39 ft) cable

Included accessory:
Straight bracket for mounting
on flat surface

Operating temperature:
-30 °C to 55 °C (-22 °F to 131 °F)

AXIS F1025 Sensor Unit – Optional accessories

- > AXIS F8202 Mounting Bracket (5/pack)
- > AXIS F8204 Mounting Band (10/pack)
 - Aluminum band that can be shaped as required
- > AXIS F8225 Pinhole Accessory for drop-ceiling mount
- > AXIS F8211 Pinhole Trim Ring (10/pack)
 - For mounting on plastic/glass/metal panel with max. thickness of 2 mm (1/16 in.)
- > AXIS F9201 Silver/Black Height Strip Housing
 - Ideal at entrances; helps witnesses gauge the height of fleeing person
 - Comes with two height strips in metric and imperial measurements



AXIS F41 and AXIS F1025 – Handling backlight scenarios

No WDR – Forensic Capture

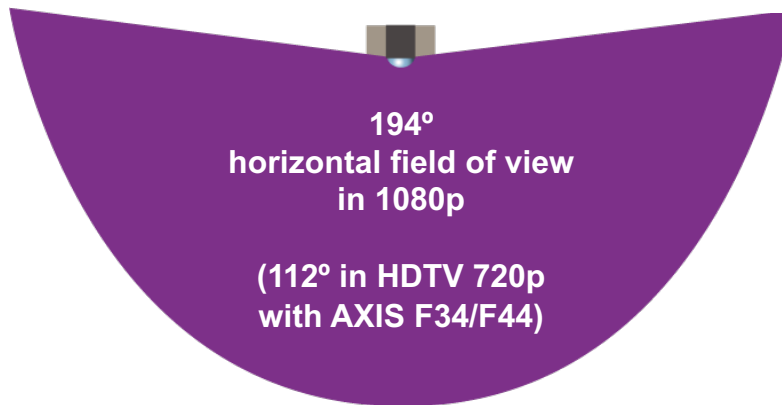
WDR – Forensic Capture



WDR – Forensic Capture allows details in bright and dark areas to be seen

AXIS F1035-E Sensor Unit – Fisheye lens

- > For wide area coverage and use in limited spaces / inside or outside of vehicles
- > 1080p sensor unit with fisheye lens
- > WDR – Forensic Capture (with AXIS F41/F44)
- > IP66- and NEMA 4X-rated



With 3 or 12 m (10 or 39 ft) cable

Included accessory:
Vari-angle mounting bracket to secure unit in desired position

Operating temperature:
-30 °C to 55 °C (-22 °F to 131 °F)

AXIS F1035-E Sensor Unit – Optional accessories

- > AXIS F8201 Vari-angle Mounting Bracket (5/pack)
- > AXIS F8203 Fixed Mount Bracket (5/pack)
- > AXIS F8204 Mounting Band (10/pack)
 - Aluminum band that can be shaped as required
- > AXIS F8212 Trim Ring (10/pack)
 - For mounting in plastic/glass/metal panel with max. thickness of 8.5 mm (5/16 in.)
- > AXIS F8235 Fisheye Accessory for drop-ceiling mount

