# Latest Innovations

Axis' recent launches of network video products

Updated September 2012

www.axis.com

# Innovations for professional video surveillance

- Superior image quality
  - Advanced image processing
  - Lightfinder
  - HDTV 1080p / Megapixel
  - Axis' Corridor Format
  - P-Iris control
  - Wide dynamic range
  - Built-in IR
- Efficient encoding/decoding
  - Multiple H.264, MPEG-4 Part 2 and Motion JPEG streams
- Networking
  - Power over Ethernet
  - Security and reliability
  - Wireless communication
  - Edge storage
- Easy installation/operation
  - Out-of-the-box outdoor-ready
  - Remote zoom & focus
  - Pixel counter
  - Tour recording
  - Panopsis

# Innovations for professional video surveillance

- Distributed intelligence
  - Easy control, e.g. PTZ, I/O
  - AXIS Camera Application Platform for downloadable video analytics
  - AXIS Video Motion Detection 2.1
  - Active Tampering Alarm
  - Gatekeeper
  - Auto-tracking
- Design
  - Robust and high quality
  - Functional and smart
  - Miniature and covert
- Thermal imaging
  - Reliable detection in darkness
- Audio
  - Quality & efficient compression
- Reliable operation
  - Protective housings
  - Arctic Temperature Control
  - Advanced cooling for hot climates
  - Edge storage via SD/SDHC

# The market's broadest network video portfolio

## Fixed

AXIS M1011/-W
AXIS M1013
AXIS M1014
AXIS M1031-W
AXIS M1033/34-W
AXIS M1054
AXIS M1103
AXIS M1104
AXIS M1113/-E
AXIS M1114/-E
AXIS P1204
AXIS P1214/-E
AXIS P1343/-E
AXIS P1344/-E
AXIS P1346/-E
AXIS P1347/-E
AXIS 221
AXIS Q1602/-E
AXIS Q1604/-E
AXIS Q1755/-E

## Fixed domes

AXIS M3004-V
AXIS M3005-V
AXIS M3011
AXIS M3014
AXIS M3203/-V
AXIS M3204/-V
AXIS M3113-R
AXIS M3113-VE
AXIS M3114-R
AXIS M3114-VE
AXIS P3301/-V
AXIS P3304/-V
AXIS P3353
AXIS P3354
AXIS P3363-V/-VE
AXIS P3364-V/-VE
AXIS P3346/-V/-VE
AXIS P3367-V/-VE

## Encoders/decoders

AXIS 243SA
AXIS M7001
AXIS M7010
AXIS M7014
AXIS P7210
AXIS P7214
AXIS P7224
AXIS Q7401
AXIS Q7404
AXIS Q7406 Blade
AXIS Q7414 Blade
AXIS Q7424-R
AXIS 243Q Blade
AXIS Q7900 Rack
AXIS 3U Rack Solution
AXIS 291 1U Rack
AXIS P7701

## Accessories

## PTZ/ PTZ domes

AXIS 212 PTZ/-V
AXIS 214 PTZ
AXIS 233D
AXIS M5013
AXIS M5014
AXIS P5512/-E
AXIS P5522/-E
AXIS P5532/-E
AXIS P5534/-E
AXIS P5544
AXIS Q6032/-E/-C
AXIS Q6034/-E/-C
AXIS Q6035/-E/-C

## Covert cameras

AXIS P8513
AXIS P8514

## Thermal

AXIS Q1910-E
AXIS Q1910
AXIS Q1921-E
AXIS Q1921
AXIS Q1922
AXIS Q1922-E

## Software & recording

AXIS Camera Companion
AXIS Camera Station
AXIS Video Hosting System
ADP > 800 partners
AXIS Camera Management
AXIS Mobile Monitor
AXIS Q8108-R NVR

# Latest Axis network video products

- Fixed cameras
  - AXIS M1013/M1014/33-W/34-W Network Cameras
  - AXIS M1143/M1144-L Network Cameras
  - AXIS P12 Network Camera Series
  - AXIS Q16 Network Camera Series
- Fixed dome cameras
  - AXIS M30 Network Camera Series
  - AXIS P33 Network Camera Series
- PTZ dome cameras
  - AXIS Q60 Network Camera Series
  - AXIS P55 Network Camera Series
  - AXIS M50 Network Camera Series
- Thermal cameras
  - AXIS Q19 Thermal Network Camera Series
- Video encoders and decoders
  - AXIS M70 Video Encoder Series
  - AXIS P72 Video Encoder Series
  - AXIS Q74 Video Encoder Series
- Video management software & recording
  - AXIS Camera Companion 1.2
  - AXIS Video Motion Detection 2.1
- Accessories
  - AXIS T90C Fixed Dome IR-LED
  - AXIS T93E05 Protective Housing

# Fixed network cameras

# AXIS M10 Network Camera Series

*Smallest and smartest network cameras in six models*

- Cameras for indoor surveillance designed for easy installation
- Applications such as boutiques, small businesses, restaurants, hotels & residences

# AXIS M10 Series – Indoor fixed cameras

| AXIS M1011-W | AXIS M1013 | AXIS M1014 | AXIS M1033-W | AXIS M1034-W | AXIS M1054 |
|---|---|---|---|---|---|
| VGA<br>Wireless | SVGA<br>MicroSD/<br>MicroSDHC | 1 MP<br>HDTV 720p<br>MicroSD/<br>MicroSDHC | SVGA<br>Wireless | 1 MP<br>HDTV 720p<br>Wireless | 1 MP<br>HDTV 720p<br>PoE |

New 2012

New 2012

New 2012

New 2012

# AXIS M1013 and AXIS M1014 Network Cameras

- Progressive scan provides images with minimum motion blur
  - SVGA in 30 fps (AXIS M1013)
  - HDTV 720p in 30 fps (AXIS M1014)
- Angle of view: 67º (AXIS M1013) and 80º (AXIS M1014)
- Ease of installation
- Adjustable focus
- Power supply, stand and clamp included

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***AXIS Video Hosting System***

# AXIS M1013 and AXIS M1014 Network Cameras

> Edge storage
  - MicroSD/MicroSDHC memory card slot for local storage
  - Support for recording to a network share (NAS or file server)

> AXIS Camera Companion

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***AXIS Video Hosting System***



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# AXIS M1033-W and AXIS M1034-W Network Cameras

- Progressive scan provides images with minimum motion blur
  - SVGA in 30 fps (AXIS M1033-W)
  - HDTV 720p in 30 fps (AXIS M1034-W)
- Angle of view: 67º (AXIS M1033-W) and 80º (AXIS M1034-W)
- Invisible integrated antenna
- Supports Wi-Fi Protective Setup™ (IEEE 802.11n)
  - Wi-Fi Protected Setup™ protocol for easy and secure wireless network

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***AXIS Video Hosting System***

# AXIS M1033-W and AXIS M1034-W Network Cameras

- Passive infrared (PIR) sensor for detecting movement even in the dark
- White LED for illuminating the scene at an event to enable video recording
- Built-in microphone and speaker
- I/O ports – e.g. for communication with traditional alarm panel
- Power supply, stand and clamp included
- Extension for stand included in delivery

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***AXIS Video Hosting System***

# AXIS M11-L Network Cameras

*Compact and affordable high-resolution cameras with built-in IR illumination*

- Highly-efficient long-life IR illuminators, covers up to 15 meters (50ft.)
- Perfect for boutiques, restaurants, hotels and offices where surveillance is required day and night

# AXIS M11-L Series – Flexible surveillance day and night

## AXIS M1143-L

**SVGA**
**Varifocal, DC-iris**
**IR illumination**

## AXIS M1144-L

**1 MP, HDTV 720p**
**Varifocal, DC-iris**
**IR illumination**

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***AXIS Video Hosting System***



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# AXIS M11-L Series – Features and smart qualities

- Day and night functionality
- Indoor use
- Built-in IR illuminator
  - Covers up to 15 meters (50ft.)
- SVGA or 1 MP/HDTV 720p
- Varifocal 2.5 - 6 mm lens
- Edge storage
  - MicroSD/MicroSDHC memory card slot for local storage
- I/O support

# Affordable high-resolution 24/7 detection

**AXIS M1144-L Network Camera in night mode, using built-in IR LEDs**

**AXIS M1144-L Network Camera in daylight**

# Highly efficient and powerful IR LEDs

> Discreet integration of IR LEDs

> Highly efficient and long-life IR LEDs

> Adjustable IR LED illumination

> Automatic illumination

> IR illumination with 850nm wave length

Discover objects in a range of up to 15 meters (50ft.)

# Flexible image and focus adjustment

> Lever tool included for easy focus and field of view adjustments

> IR illumination can be set to be in sync with camera's field of view

> Camera lid to protect levers

# Easy installation & efficient operation

- Power over Ethernet (PoE) supplies power to the camera via the network
- Slim and compact design
  - Quick and easy installation
  - Simple set-up
- Intelligent video capabilities
  - Motion detection
    - Save recording space by triggering alarm only when someone enters monitored area
  - Active Tampering Alarm
    - Detects camera tampering attempts

# AXIS P12 Network Camera Series

*Miniature HDTV cameras for exceptionally discreet surveillance*

> Functional and extremely discreet design

> Where space is constricted or a covert installation is required

> Perfect for banks, retail, hotels

# AXIS P12 Network Camera Series – a unique design

> A small separate sensor unit with a lens

> A main unit with electronics

> Various mounting accessories

> **Place the sensor unit where needed,**
> **- and the main unit out of reach**

  – Sensor unit and main unit can be mounted up to 8 meters (26ft.) apart

# AXIS P12 Network Camera Series

## > AXIS P1204

- HDTV 720p
- Indoor use

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## > AXIS P1214

- HDTV 720p
- Indoor use

New 2012

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## > AXIS P1214-E

- HDTV 720p
- IP66-rated
- Indoor/outdoor use

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# Image quality – common features

- HDTV 720p
- 1280x720 resolution
- Fixed iris, fixed focus
- 16:9 wide screen format
- Full frame rate (25/30 fps)
- Support for H.264 compression
- Progressive scan
- Backlight compensation

# Flexible cameras for easy integration

> Functional and extremely discreet design

> For wall/ceiling mount, or for integration into very limited spaces

> Easy and flexible installation

  – Includes various mounting accessories

> Power over Ethernet (IEEE 802.3af)

  – Eliminates need for power cables and reduces installation costs

# AXIS P12 Series – Key applications

> For environments where space is constricted or a covert installation is required
  - Banks and ATMs
  - Retail environments
  - Architectural buildings
  - Hotels
  - Offices

# AXIS Q16 Network Camera Series

*Outstanding image performance in demanding lighting conditions*

> Allows the cameras to ”see” in the dark – even colors - Unique Lightfinder technology from Axis

> Outstanding image performance in high variation of lighting conditions - WDR-dynamic capture capability

# AXIS Q16 Series – for demanding lighting conditions

| Low light/ darkness | | Intense light/backlight | |
|---|---|---|---|
| **AXIS Q1602** | **AXIS Q1602-E** | **AXIS Q1604** | **AXIS Q1604-E** |
| **D1 resolution**<br>**Day/night**<br>**Lightfinder** | **D1 resolution**<br>**Day/night**<br>**Lightfinder**<br>**IP66** | **1MP or HDTV 720p**<br>**Day/night**<br>**WDR-Dynamic capture** | **1MP or HDTV 720p**<br>**Day/night**<br>**WDR-Dynamic capture**<br>**IP66** |
| | <br> | | <br> |

# AXIS Q1602/-E – Outstanding light sensitive cameras

- Incorporate Axis' Lightfinder technology
- Varifocal 2.8 - 8 mm, IR corrected, CS-mount lens
- D1 resolution (720x576)
- Focus assistant, remote back focus, pixel counter
- Day&Night functionality
- Two-way audio support

Day & Night functionality

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***Axis' Lightfinder technology***

***AXIS Camera Application Platform***

# AXIS Q1604/-E – Outstanding Axis' WDR-dynamic capture

- Handles blinding light and provides superb images in intense light
- WDR up to 120 dB (0.4 – 400,000 lux) depending on scene
- Varifocal 2.8 - 8 mm, IR corrected, CS-mount lens
- 1 MP or HDTV 720p resolution
  - Up to 1280 x 960 pixels
- Focus assistant, remote back focus, pixel counter
- Day&Night functionality
- Two-way audio support

Day & Night functionality

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***Wide Dynamic Range – dynamic capture***

***AXIS Camera Application Platform***

# AXIS Q1602-E/ Q1604-E – Outdoor-ready model

- Built-in heater, fan and removable sunshield
- Temperature ranging from -30 ºC to 50 ºC (-22 ºF to 122 ºF) with standard PoE (IEEE 802.3af), down to -40 °C (-40 °F) using High PoE midspan
- Arctic Temperature Control
- For demanding outdoor conditions
  - IP66- and NEMA 4X-rated
  - IK10-rated for protection against impact and vandalism
- Out-of-the-box ready
  - Includes wall mount bracket, sunshield; midspan not included

Day & Night functionality

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***Wide Dynamic Range – dynamic capture***

***AXIS Camera Application Platform***

# AXIS Q1602-E – Unique Lightfinder technology

Color images in poor light conditions help identify people and objects

Reference picture taken at nighttime
with no street illumination

AXIS Q1602-E taken at nighttime
with no street illumination

# AXIS Q1604 – WDR-Dynamic capture

Surveillance onboard a car exiting a garage.

Reference picture ”State-of-the-art” camera

AXIS Q1604 with WDR-Dynamic capture

# Fixed dome network cameras

# The new AXIS M30 Network Camera Series

***Fixed mini domes with HDTV performance***

- *Discreet, smart design*
- *Attractive for cost-conscious customers such as retail stores, hotels, schools, banks and offices*

# Overview – The new AXIS M30 Series

- Affordably priced indoor fixed mini domes for HDTV surveillance
- Ultra-compact, dust- and vandal-resistant design
- High-resolution video quality:
  **AXIS M3004-V** with 1 MP/HDTV 720p,
  **AXIS M3005-V** with 2 MP/HDTV 1080p
- Quick and easy installation on ceilings or walls
- AXIS Camera Application Platform for basic video analytics
- Support for microSDHC card and AXIS Camera Companion video management software

# AXIS M30 Series – two models

> **AXIS M3004-V**
  - 1 MP/HDTV 720p
  - 80° horizontal angle of view
  - For wall/ceiling mount

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> **AXIS M3005-V**
  - 2 MP/HDTV 1080p
  - 118° horizontal angle of view
  - For wall/ceiling mount

New 2012

# Benefits – Discreet design with high-resolution video

> Ultra-compact design
  - Palm-sized (10 cm x 5 cm / 4 in. x 2 in.)
  - Dust-resistant
  - Vandal-resistant

> HDTV video quality
  - H.264 Main Profile / Motion JPEG  in full frame rate

> Video analytics
  - Video motion detection
  - Active tampering alarm
  - AXIS Camera Application Platform for third-party analytics, e.g. people counting

# Benefits – Quick and flexible installation

> 3-axis camera angle adjustment enables
  - Mounting on walls or ceilings
  - Easy adjustment of camera direction
  - Image can be levelled

> Horizontal viewing angles of
  - 80° (AXIS M3004-V)
  - 118° (AXIS M3005-V)

> Flexible coverage in widescreen 16:9, traditional 4:3 or Axis' Corridor Format

# Benefits – Quick and flexible installation

> No focusing required, set upon delivery
  - Focusing needed when replacing lens for other angles of view

> Power over Ethernet (IEEE 802.3af)
  - Eliminates need for power cables and reduces installation costs
  - Camera equipped with 2 m (6.6 ft.) network cable

> Pixel counter
  - Easily verifies that required pixel resolution is met

# Benefits – Video management solutions

> AXIS Camera Companion video management software included

> Built-in microSDHC card slot

- Enables several days of recording to be stored locally
- Supports AXIS Camera Companion solution

# Accessories

> Optional accessories

- White or black skin to blend in with environment
  - White skin serves at hiding screws, can also be painted over in any color
- AXIS T8414 Installation Display
- AXIS T90A White LED Illuminators

# AXIS P33 Series – Adding AXIS P3384-V/-VE Network Cameras

## Fixed domes for any environment with remote zoom and focus

> Adding AXIS P3384-V/-VE for areas with strong variations in light, such as entrances, close to large windows and in tunnel passages

# AXIS P33 Series – Models for any environments

## Streamlined indoor

**AXIS P3353:** SVGA, Lightfinder

**AXIS P3354:** 1 MP, Lightfinder

New 2012

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## Indoor with audio and I/O ports

**AXIS P3363-V:** SVGA , Lightfinder

**AXIS P3364-V:** 1 MP, Lightfinder

**AXIS P3384-V:** 1 MP, WDR – dynamic capture, Lightfinder

New 2012

**AXIS P3346/-V:** 3 MP, multi-view DPTZ

**AXIS P3367-V:** 5 MP, multi-view DPTZ

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## Outdoor with audio and I/O ports

**AXIS P3363-VE:** SVGA , Lightfinder

**AXIS P3364-VE:** 1 MP, Lightfinder

**AXIS P3384-VE:** 1 MP, WDR – dynamic capture, Lightfinder

New 2012

**AXIS P3346-VE:** 3 MP, multi-view DPTZ

**AXIS P3367-VE:** 5 MP, multi-view DPTZ

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# AXIS P33 Series – Smart features in all models

- Multiple H.264 and Motion JPEG streams
- Superb image quality
  - SVGA or 1 megapixel/HDTV 720p or 3 and 5 megapixel/HDTV 1080p
- Day & Night
- Local storage with SD/SDHC card
- Two-way audio
- Video intelligence capabilities
  - Video motion detection and Active Tampering Alarm
- Comprehensive accessory program for installation options

# The newest additions – AXIS P3384-V/-VE cameras

> Outstanding video quality
  - Wide dynamic range – dynamic capture
  - Axis' Lightfinder technology
  - Top-quality 1/3" sensor
  - HDTV 720p/1280x960 (approx. 1.3 MP)

> Enhanced performance
  - Image processing
  - Main Profile H.264 option reduces bandwidth/storage up to 20%
  - Video analytics

Day & Night functionality

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***AXIS Camera Application Platform***



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# AXIS P33 Series – Key features

- > IK10-rated vandal protection
  - – With -V and -VE models
- > Edge storage
  - – SD/SDHC memory card slot for local storage
  - – Support for recording to a network share (NAS or file server)
- > Two-way audio support
  - – In all models except AXIS P3353/P3354
- > Intelligent video
  - – Video motion detection
  - – Tampering alarm
  - – Audio detection

Day & Night functionality

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***AXIS Camera Application Platform***

# AXIS P33 Series – Key features

- Remote focus & zoom functionality
  - Simplifies the installation
  - The pixel counter verifies the required pixel resolution
- P-Iris control
  - Optimizes on image clarity and depth of field
- Axis' Corridor Format
- Digital PTZ
  - Multi-view streaming (AXIS P3346 and AXIS P3367 cameras)

Day & Night functionality

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***AXIS Camera Application Platform***

# AXIS P3384-V/-VE – Wide Dynamic Range (WDR) – dynamic capture

> Clear images of scenes with strong variations in light
  - Ensures that no area is too dark or too bright

> Ideal in areas such as
  - In tunnel passages
  - Close to entrances and large windows
  - Other areas with bright sunlight and dark shadows

# Lightfinder technology in SVGA and 1MP models

- Based on Axis' know-how
  - Selection of the best optical components
  - Axis' in-house system-on-chip development
  - Enhanced image processing
- Enables colors even in very dark conditions
- Reduces image noise
  - Clearer details
  - Reduced bandwidth and storage needs

# AXIS P3353/P3354 and AXIS P3363/P3364-V/-VE models

**Two lens options offer wide field of view range:**

> Wide-angle scene coverage
  – 2.5 - 6 mm, 105° to 49° field of view

> Tele option for close-up details
  – 3.3 - 12 mm, 82° to 24° field of view

# AXIS P33-VE models – Designed to minimize outdoor installation time

- Multifunctional mounting bracket
  - Wall, ceiling, junction box
- Quick casing assembly
  - Captive screws
- Quick and firm snap-in of camera unit
- Weather shield mounted together with the casing cover
- 5 m cable with pre-mounted gasket included

# AXIS P33-VE cameras – Reliable operation in tough conditions

> Extended temperature range with standard Power over Ethernet (IEEE 802.3af)
  - -40 ºC to 55 ºC (-40 ºF to 131 ºF)

> IP66- and NEMA 4X-rated

> Advanced cable sealing allows weather-proof mounting and flush to a wall

> Unique dehumidifying membrane

# AXIS P33 Series – Optional accessories

> Indoor models
  - Mounting bracket for junction box
  - Dust-proof drop-ceiling mount kit, IP51-rated
  - Pendant kit
  - Mounting bracket for pole, wall, corner, ceiling and parapet mount (AXIS T91A Mounting Accessories)
  - Black casing with clear transparent cover

> Outdoor models
  - Pendant kit including weather shield
  - Mounting bracket for pole, wall, corner, ceiling and parapet mount (AXIS T91A Mounting Accessories)
  - I/O audio cable with gasket
  - Cable shield with threaded conduit adapter

# AXIS P33-VE – Outdoor-ready models

**Designed to minimize installation time**

> Quick casing assembly
  - Captive screws

> Quick and firm snap-in of camera unit

> Multifunctional mounting bracket for wall, ceiling and junction box

# AXIS P3346/P3367 – Multi-megapixel cameras

- AXIS P3367-V/-VE : Market's most light-sensitive 5-megapixel cameras
  - 12 fps in resolutions up to 5 MP
  - 20 fps in 3 MP and 30 fps in HDTV 1080p
- P-Iris control
  - Optimizes on image clarity and depth of field
- Multi-view streaming
  - For minimized bandwidth and storage needs
- Enhanced performance with AXIS P3367-V/-VE, including
  - Image processing
  - Compression enhanced with Main Profile H.264 option

Day & Night functionality

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***AXIS Camera Application Platform***



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# AXIS P33-VE - Outdoor-ready models

> For demanding outdoor conditions
  - IP66- and NEMA 4X-rated
  - IK10-rated vandal protection (AXIS P3346-VE/P3367-VE)
  - Advanced cable sealing allows weather-proof mounting and flush to a wall

> Included outdoor accessories
  - Pre-installed heater and fan
  - 5 m cable with pre-mounted gasket
  - Weather shield for protection against sun, rain and snow
  - Cable shield protection for cables routed through a conduit along the wall
  - Mounting bracket

Day & Night functionality

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***AXIS Camera Application Platform***

# AXIS P3367-V/-VE – P-Iris control a new level of image quality

> Precise iris control for optimizing image clarity and depth of field

> First introduced to the market with AXIS P1346 Network Camera

> Expected to become a standard that eventually replaces DC-iris control

> P-Iris is not protected; being adopted by the rest of the industry

P-Iris

Old technology

# AXIS P3346/-V/-VE and AXIS P3367-V/-VE – Multi-view streaming

**Storage**

**Quad view example in video management software**

> Minimizes installation and maintenance cost by installing one instead of multiple cameras

> Streaming of selected areas only to minimize bandwidth and storage need

– Allowing digital PTZ for each stream, including guard tour

# PTZ dome network cameras

www.axis.com

# AXIS Q60 PTZ Dome Network Camera Series

*Advanced, high-speed PTZ domes with mission critical functions*

> Robust high-speed domes for demanding surveillance

> Quick and reliable installation features, for airports, seaports, stadiums, as well as city and perimeter surveillance

# AXIS Q60 PTZ dome series

## AXIS Q6032/-E/-C

360° continuous pan
D1/Extended D1 resolution
36x optical zoom*
Electronic image stabilization
0.05º to 450º/s

*35x optical zoom in AXIS Q6032/-E

## AXIS Q6034/-E/-C

360° continuous pan
HDTV 720p
18x optical zoom
0.05º to 450º/s

## AXIS Q6035/-E/-C

360° continuous pan
HDTV 1080p @ 25/30 fps
HDTV 720p @ 50/60 fps
20x optical zoom
0.05º to 450º/s

# AXIS Q60-C for hot, desert environments

- AXIS Q60-C cameras provide exceptional video surveillance under extreme conditions
- Designed for hot, dusty, sandy environments
  - e.g. desert, equatorial areas
- Easy and reliable installation – Daisy chain connection
- Included accessories:
  - AXIS T8605 Media Converter Switch
    - 2x SFP optical fiber slots and 2x RJ-45 connections, 2x I/O for alarm in/out
  - 5 m (16 ft.) IP66-rated multi-connector cable

# How AXIS Q60-C handles 75 °C (167 °F)

> Advanced climate control with Peltier element

> Enables camera's operating temperature range to increase to a high of **75 °C** (167 °F) and a low of **-20 °C** (-4 °F)

> Reduces camera wear and tear and maintains camera's lifetime

# AXIS Q60 PTZ dome series – Fast, easy and reliable installation

- > Out-door ready to reduce installation cost
- > Indoor models: 180° tilt, PoE+
  - – IP52, -40 °C to 50 °C (-40 °F to 122 °F)
- > Outdoor models: 220° tilt, High PoE
  - – IP66/NEMA 4X, -40 °C to 50 °C (-40 °F to 122 °F) with Arctic Temperature Control
- > Outdoor AXIS Q60-C models: 220° tilt, High PoE
  - – IP66/NEMA 4X, -20 °C to 75 °C (-4 °F to 167 °F) Meet U.S. military standard (MIL-STD-810G)
- > Easy bayonet mounting to various brackets
- > One cable for power, video/audio and PTZ controls

Installation of AXIS Q6032-E cameras in Alaska..

Drop ceiling mount

Extended tilt range of 220°

# Intelligent video functionalities

- > Advanced Gatekeeper
  - – Camera pans, tilts and zooms in to a preset position when motion is detected in an area and returns to home position after a set time
- > Active Gatekeeper
  - – Advanced Gatekeeper function plus the ability to continue to track the detected object (available with AXIS Q6034-E/Q6035-E)
  - – Auto-tracking: Camera automatically detects a moving object within its field of view and follows it (available with AXIS Q60 Series)
- > Audio detection
  - – Indoor PTZs: with use of optional multi-connector cable
- > Video motion detection
- > AXIS Camera Application Platform
  - – Enables compatible applications to be downloaded to the camera

**Advanced/Active Gatekeeper**
Pre-defined area for motion detection can be set anywhere within the camera's area of coverage.

# AXIS Q6035-E and AXIS Q6034-E

With HDTV 1080p and 20x zoom,...

...the license plate of a car
**275 m** (900 ft.) away can be read

With HDTV 720p and 18x zoom,...

...the license plate of car
**200 m** (660 ft.) away can be read

# AXIS P55 PTZ Dome Network Camera Series

*Advanced indoor and outdoor-ready PTZ domes*

> Affordably priced and reliable surveillance with advanced pan/tilt/zoom capabilities

> Quick and reliable installation features, for airports, seaports, stadiums, as well as city and perimeter surveillance

# AXIS P55 PTZ dome series

## AXIS P5512/-E

360° Pan with Auto-flip
4CIF resolution
WDR
12x optical zoom
Pan/tilt speed
100º/s

ONVIF

## AXIS P5522/-E

360° Pan with Auto-flip
D1 resolution
WDR
18x optical zoom
Pan/tilt speed
0.2º to 200º/s

ONVIF

## AXIS P5532/-E

360° Pan with Auto-flip
D1 resolution
29x optical zoom
Pan/tilt speed
0.2º to 300º/s

ONVIF

## AXIS P5534/-E

360° Pan with Auto-flip
HDTV 720p
18x optical zoom
Pan/tilt speed
0.2º to 300º/s

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## AXIS P5544

360° Panoramic view

360° Pan with Auto-flip
HDTV 720p
18x optical zoom
Pan/tilt speed
0.2º to 300º/s

New 2012

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AXIS COMMUNICATIONS

# Intelligent video functionalities

> Advanced Gatekeeper
  - Camera pans, tilts and zooms in to a preset position when motion is detected in an area and returns to home position after a set time

> Audio detection
  - Indoor PTZs: with use of optional multi-connector cable
  - Outdoor PTZs: with use of AXIS P8221 Network I/O Audio Module

> Video motion detection

> AXIS Camera Application Platform
  - Enables compatible applications to be downloaded to the camera

**Advanced Gatekeeper**
Pre-defined area for motion detection can be set anywhere within the camera's area of coverage.

# Fast, easy and reliable installation

> No need for separate housing:
  - Protected from dust and humidity, rain, snow, ice, corrosion
  - Reduces installation time and cost and fewer possibilities for improper installation; increased reliability

> 180° tilt

> PoE /PoE+, one cable for power, video/audio & PTZ controls

> Indoor models
  - IP52-rated indoor , 0 °C to 50 °C (32 °F to 122 °F)

> Outdoor models
  - IP66/NEMA 4X, -20 °C to 50 °C (-4 °F to 122 °F)

> Easy bayonet mounting to various brackets

Drop ceiling mount
AXIS P5532

# AXIS P5522-E and AXIS P5512-E

With D1 and 18x zoom,...

...the license plate of a car
**140 m** (460 ft.) away can be read

With 4CIF and 12x zoom,...

...the license plate of car
**76 m** (250 ft.) away can be read

# AXIS P5544 PTZ Dome Network Camera

- Axis' unique Panopsis technology:
  - 360° panoramic view
  - Fast 360° pan, 180° tilt and 18x optical zoom for great details
- HDTV 720p and H.264 for superb video quality
- Easy and reliable installation: IP51-rated and Power over Ethernet Plus
- Intelligent video, e.g. Advanced Gatekeeper
- Covers large indoor areas for a complete overview and close-up surveillance such as airports, train and bus stations, logistics centers, etc.

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ONVIF

# Axis' Panopsis technology – no loss of video quality

Uses two different lenses to maintain high video quality:

**Wide-angle lens**
360º overview covering more than
950 sq. m. or 10,000 sq. ft.
(more than three tennis courts)

**Zoom lens**
HDTV 720p Enables identification
some150 m (490 ft.) away.

# Special user interface in 360° overview mode

> Magnifier – displays undistorted image

> Simply click on area of interest and camera will pan, tilt, zoom in on object in normal view mode

> Simplified “Go-to presets”

# AXIS M50 PTZ Dome Network Camera Series

*Mini PTZ domes that give the big picture*

> Effective remote PTZ monitoring of one or more business locations with live video/audio

> Applications such as retail stores, shopping malls, hotels, restaurants, banks, office lobbies, schools

# AXIS M50 PTZ Dome Network Camera Series

## AXIS M5013

**SVGA**
**IP51**
**+/- 180º pan**
**90º tilt**
**3x digital zoom**
**Audio support**
**MicroSD/SDHC card slot**

## AXIS M5014

**HDTV 720p**
**IP51**
**+/- 180º pan**
**90º tilt**
**3x digital zoom**
**Audio support**
**MicroSD/SDHC card slot**

# AXIS M50 – PTZ for broad area coverage and flexibility

- Flat, compact, ceiling-mount PTZ dome
- Excellent video quality with H.264 and Motion JPEG
- Easy and reliable installation, including IP51 rating and Power over Ethernet (IEEE 802.3af)
  - Built-in microphone and audio detection
- Enables broad coverage with a single camera
  - **AXIS M5014**: provides good coverage of areas up to 400 m² (4300 sq. ft.)
  - **AXIS M5013**: up to 300 m² (3200 sq. ft.)

# AXIS M50 – Ultra-discreet design

> Ultra-discreet surveillance
  - Non-obtrusive:
    - Diameter: 13 cm (5.1”); height: 5.6 cm (2.2”)
  - Concealed lens: difficult for onlookers to see where the camera is pointing

> Indoor use
  - IP51 rating: protection against dust and dripping water
  - Camera will operate even when a sprinkler is activated

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# AXIS M50 – Fast, easy and reliable installation

> Easy mounting
  - Soft ceiling: fasten with mounting device
  - Hard ceiling: simple click onto mounting bracket
  - Wall mounting

> No need for separate housing; IP51 rating for protection against dust and dripping water
  - When a sprinkler is activated, the camera will still be able to provide video of the event

> Operating temperatures: 0 ºC to 45 ºC (32 ºF to 113 ºF)

> PoE (IEEE 802.3af) support

Soft ceiling mount

Hard ceiling mount bracket

Wall mounting

# Covert cameras

# AXIS P85 Network Camera Series

*Eye-level covertly mounted cameras for reliable identification*

- Subtle indoor video surveillance that blends in to any environments
- Designed for placement near exits of buildings pointing at the direction people are coming from
- Applications such as retail, banking, restaurants, hotels & healtcare

# AXIS P85 Series

**Traditional camera placement at the ceiling, 240cm (7.8 ft.) height**

**AXIS P85 Series placed at eye-level, at a height of 160cm (5.2 ft.)**

# AXIS P85 Network Cameras – Field of View coverage

- Fixed focal pinhole lens places at a height of 160cm (5.2 ft.), optimized to look straight at the face of people
- AXIS P8514
  - 1 MP / HDTV 720p video and high details
- AXIS P8513
  - SVGA resolution for more price-sensitive budget
- Multiple H.264 video streams
- PoE support

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# Thermal network cameras

# AXIS Thermal Network Cameras

*Reliable detection in dark and challenging conditions*

> Detection around the clock in complete darkness or difficult daylight conditions and in demanding weather conditions

> Applications such as perimiter and area protection, security and emergency management

# AXIS Q19 Thermal Camera Series

| AXIS Q1910 | AXIS Q1910-E | AXIS Q1921 | AXIS Q1921-E | AXIS Q1922 | AXIS Q1922-E |
|---|---|---|---|---|---|
| 8.3/30 fps* | 8.3/30 fps* | 8.3/30 fps* | 8.3/30 fps* | 8.3/30 fps* | 8.3/30 fps* |
| Resolution: 160 x 128 Lens: 13 mm | Resolution: 160 x 128 Lens: 13 mm | Resolution: 384 x 288 Lens: 10 and 19 mm | Resolution: 384 x 288 Lenses: 10, 19, 35, 60 mm | Resolution: (VGA) 640 x480 Lenses: 10, 19 mm | Resolution: (VGA) 640 x 480 Lenses: 10, 19, 35, 60 mm |
| | | | | New 2012 | New 2012 |
| ONVIF | ONVIF | ONVIF | ONVIF | ONVIF | ONVIF |

*30 fps available as standard within EU, Norway, Switzerland, USA, Canada, Japan, New Zealand, Australia
8.3 fps available as standard in other countries, frame rates above 9 fps may be subject to export regulations

# Recognition ranges

| | Focal length (mm) | Horizontal viewing angle | Recognition range based on Johnsson criteria - 6 pixels on target | (m) | (yd.) |
|---|---|---|---|---|---|
| AXIS Q1910/-E | 13 | 17° | | 65 | 71 |
| | | | | 200 | 219 |
| AXIS Q1921/-E | 10 | 51° | | 55 | 60 |
| | | | | 170 | 186 |
| | 19 | 28° | | 100 | 109 |
| | | | | 300 | 328 |
| AXIS Q1921-E | 35 | 16° | | 175 | 191 |
| | | | | 550 | 601 |
| | 60 | 9° | | 300 | 330 |
| | | | | 920 | 1006 |
| AXIS Q1922/-E | 10 | 57° | | 80 | 87 |
| New 2012 | | | | 250 | 273 |
| | 19 | 32° | | 150 | 164 |
| | | | | 440 | 481 |
| AXIS Q1922-E | 35 | 18° | | 260 | 284 |
| | | | | 800 | 875 |
| New 2012 | 60 | 10° | | 440 | 481 |
| | | | | 1350 | 1476 |

# AXIS Q19 Thermal Camera Series

## A perfect complement adding value to surveillance systems

| | Network cameras 1920x1080 @ 30 fps | Thermal network cameras 384x288 @ 30 fps |
|---|---|---|
| Identification | ★★★★★ | ☆ |
| Detection at daylight | ★★★★ | ★★★★★ |
| Detection at night | ★★ | ★★★★★ |
| Detection in difficult conditions | ★★★ | ★★★★ |

# AXIS Q19 Thermal Camera Series – Meeting your system needs

> Security
  - Active Tampering Alarm detects camera tampering attempts
  - Highest degree of network security, including HTTPS encrypted video streams, IEEE 802.1.x authentication, QoS and IPv6 support

> Intelligent video capabilities
  - Motion detection to save recording space by recording only when someone is entering the monitored area
  - Capacity for third party analytics modules, support for AXIS Camera Application Platform
  - ONVIF support for interoperability

> Two-way audio
  - Remote communication with visitors or intruders

# AXIS Thermal Cameras – Easy installation & efficient operation

- > Flexible power supply with PoE or power connection (terminal block)
- > Less bandwidth and storage needed
  - – H.264 and Motion JPEG support
  - – Local storage with SD/SDHC card
- > Customized color live views for enhancement of detection possibilities
  - – 10 predefined color palettes
  - – Streaming of up to 4 different palettes* simultaneously

* Valid for 8.3 fps only

# Video encoders

# AXIS M, P and Q-line Video Encoder Series

A complete range of video encoders to cover any need from small installations to enterprise solutions

> Scalable, easy integration and future proof

> Digital quality images and full frame rate in maximum resolution

> Powerful event management with intelligent video capabilities

# AXIS M70 Video Encoder Series

## AXIS M7001

1 channel
Stand-alone
Resolution: D1

## AXIS M7010

16 channel
Stand-alone
MicroSDHC card
Resolution: D1

ONVIF

## AXIS M7014

4 channel
Stand-alone
MicroSDHC card
Resolution: D1

ONVIF

# AXIS M7010 and AXIS M7014

- Encodes H.264 and Motion JPEG (dual streaming)
- Quad-view of four channels
  - Output as either 4 x 4CIF or 4 x CIF
- Edge storage
  - MicroSDHC card slot on all standalone versions
  - Support for NAS ( via CIFS, Common Internet File System)
- PTZ camera control
  - One shared RS-422/RS-485 serial port
  - Four PTZ cameras can be controlled via daisy-chaining
- Power over Ethernet
- External power supply included for all standalone units

# AXIS P72 Video Encoder Series

## AXIS P7210

16 channel
Stand-alone
MicroSDHC card
Resolution: D1

## AXIS P7214

4 channel
Stand-alone
MicroSDHC card
Resolution: D1

## AXIS P7224

4 channel
Blade
Resolution: D1

# AXIS P72 Video Encoder Series

> Full frame rate in all resolutions – 30/25 fps

> Two-way audio

> Configurable I/O pins

> Encodes H.264 and Motion JPEG (dual streaming)

> Quad-view of four channels

> Edge storage

> PTZ camera control

> Power over Ethernet

> External power supply included for all standalone units

# AXIS Q74 Video Encoder Series

## AXIS Q7401

1 channel
Stand-alone
Resolution: D1
MicroSDHC card
I/O
AXIS Camera Application Platform

ONVIF

## AXIS Q7404

4 channel
Stand-alone
Resolution: D1
I/O
AXIS Camera Application Platform

ONVIF

## AXIS Q7406

6 channel
Blade
Resolution: D1
I/O
AXIS Camera Application Platform

ONVIF

## AXIS Q7414

4 channel
Blade
Resolution: D1
I/O
AXIS Camera Application Platform

ONVIF

## AXIS Q7424-R

4 channel
Blade
Resolution: D1
I/O
AXIS Camera Application Platform

New 2012

ONVIF

# Introducing AXIS Q7424-R Video Encoder

> Rugged video encoder for challenging conditions

> Designed to withstand tough environments

- Temperature ranging from -40 ºC to 75 ºC (-40 ºF to 167 ºF)
- Humidity 10 – 95% RH (non-condensing)

> Complies with NEMA TS2 standard

- Vibration
- Shock
- Temperature

# AXIS Q7424-R Video Encoder – Key features

> 1-4-channel solution with great flexibility
  - H.264 in full frame rate on all channels
  - Two-way audio
  - 4 configurable inputs/outputs
  - Power over Ethernet
  - PTZ control
  - SD/SDHC slot for edge storage

> Intelligent video capabilities
  - Tampering alarm
  - Motion detection
  - Audio detection
  - AXIS Camera Application Platform

# AXIS Q7424-R Video Encoder – A flexible solution

> Built on a single system-on-chip
  - Processing power is not locked to the different video channels

> Fits easily into various applications with 1 to 4 cameras
  - If fewer than four cameras are connected to the encoder, the extra processing power can be utilized for the channels used + applications

> Power over Ethernet support as well as 8-28 V DC and 20-24 V AC

> Flexible network interface

# Benefits – SD/SDHC slot for Edge storage

> Low bandwidth monitoring
  - Local recording of quality video for detailed identification of objects, people and incidents

> Fail-over recording for system redundancy
  - Temporarily store video on the encoder's SD-card if there is a network failure
  - When the network connection is restored, central VMS can retrieve and merge local video recordings seamlessly to ensure uninterrupted video recordings

# Benefits – Flexible Network Interfaces

> AXIS Q7424-R is designed for tough conditions and remote locations, in close proximity to the cameras

> For flexible installation, equipped with:
  - RJ45 connector
  - SFP slot

> AXIS Q7424-R can connect to the network with fiber, using an optional SFP module, or a Cat-5 cable

# Access to the market's widest range of software solutions

> Supported by AXIS Camera Station and a broad base of 3rd party Video Management Systems

> Third-party software solutions from Axis' Application Development Partners

> AXIS Q7424-R supports AXIS Camera Application Platform on one channel

  – AXIS Camera Application Platform enables development of Axis compatible camera applications that can be downloaded and installed on Axis network video products.

# Video Management Software and software applications

# AXIS Camera Companion – The Easiest Way To Network Video Surveillance

- Forget fuzzy images!
  - Full resolution HDTV for reliable identification
- Simple and intuitive user interface
- Tutorials and guides to get started in minutes – or seconds!

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# What’s unique about AXIS Camera Companion?

> Forget the DVR!

> Video is recorded in the camera on an SD memory card

- Each camera is a smart, independent device
- Reduces costs
- No single point of failure
- The cameras keep on recording
- Only needs a computer at installation
- **Free** viewing software

# Developed for the needs of the small business owner

> What you need

- 4 digital Axis security cameras
- 1 AXIS Camera Companion
  - Free viewing software
- Complement with
  - 4 SD cards
  - Switch (if not already installed)
  - Router* (if not already installed)

***Other combinations possible***

**The router only necessary if wireless and/or remote access is requested*

# Feature highlights in AXIS Camera Companion 1.20

- One-way audio to easily listen in on an area
- Public View Monitoring for loss prevention
  - Windows client + iOS app
- Digital signature on exported material to preserve evidence integrity
- Axis Corridor Format for efficient surveillance of isles and stairways
- White LED control for illuminating the scene at an event
- Installers can add their own contact information
- Site configuration sheet

AXIS Camera Companion 1.20.48 2012-08-06 13:05:25 1 (1)

Shirt store

| | | | | |
|---|---|---|---|---|
| **Camera** | | | | |
| Name | 00408CC58F6E | 00408CC58F6D | 00408CC58F69 | 00408CB63F34 |
| Address | 192.168.1.2 | 192.168.1.4 | 192.168.1.3 | 192.168.1.5 |
| DHCP | Yes | Yes | Yes | Yes |
| Model | AXIS M5014 | AXIS M5014 | AXIS M5014 | AXIS M3114 |
| Serial number | 00408CC58F6E | 00408CC58F6D | 00408CC58F69 | 00408CB63F34 |
| Firmware | 5.40.11 | 5.40.11 | 5.40.11 | 5.40.9.2 |
| Audio | Yes | Yes | Yes | |
| **Storage** | | | | |
| Storage | SD card | SD card | SD card | No storage |
| Keep for | Max days | Max days | Max days | |
| **Motion Recording** | | | | |
| Detector | Video motion detection | Video motion detection | Video motion detection | |
| Resolution | 1280x720 | 1280x720 | 1280x720 | |
| Frame rate | 15 fps | 15 fps | 15 fps | |
| Schedules | Always On | Always On | Always On | |
| **Continuous Recording** | | | | |
| Resolution | | | | |
| Frame rate | | | | |
| Schedules | | | | |
| **Internet Access** | | | | |
| Online | Yes | Yes | Yes | No |
| External Address | 0.0.0.0:33461 | 0.0.0.0:43018 | 0.0.0.0:44888 | |

# Affordable M1014 Surveillance kit with AXIS Camera Companion

- Competitively priced; MSRP 799 USD and 669 EURO
- Four AXIS M1014 network cameras with HDTV 720p resolution and SD card slot
- CD with AXIS Camera Companion video management software
- New attractive box design

**Bundled offer**

The market's easiest video surveillance for shops and smaller businesses

AXIS M1014 Surveillance Kit including AXIS Camera Companion

# AXIS Camera Application Platform

- Adds value to all Axis network video products with support for AXIS Camera Application platform
- Ongoing 3rd-party development of segment-specific applications wthin retail, transportation, etc.
- A wide range of applications available
  - People counters
  - Video analysis
  - Trip-wire and motion detection
  - Business intellligence

# AXIS Video Motion Detection 2.1

- Free easy-to-configure application for flexible motion detection
- Reliable indoor and outdoor detection
- Easy setup with few false alarms
- Flexible detection area configuration
- Suitable for low-traffic areas such as office corridors, parking lots and unattended shop areas
- Installable on all Axis cameras and video encoders with firmware 5.40 or later and support for AXIS Camera Application Platform

# Hosted video enabled by AXIS Video Hosting System

- With an Internet connection and an Axis camera, you can enjoy a trouble-free monitoring service over the Internet
- Up to 10 cameras per site, especially suitable for dispersed sites
- Live view, recordings and notifications directly in your PC or mobile phone browser
- Low cost of ownership with a fixed service rate from your Video Service Provider
- Ease of installation – No network configuration needed!
- Hosted video enabled by AVHS offers:
  - More than 50 compatible Axis products
  - A large number of Video Service Providers worldwide
  - Support for PTZ control and NAS (Network Attached Storage)

# Accessories

# AXIS T90C Fixed Dome IR-LED

> Wall mount, vandal-resistant IR illuminator for outdoor AXIS P33 Series

> Available in two versions:

- AXIS T90C10 Fixed Dome IR-LED (supporting 18-56 V DC input)
- AXIS T90C20 Fixed Dome IR-LED (supporting PoE, IEEE 802.3af)

> Outdoor-ready

- IP66- and NEMA 4X-rated
- Operating conditions: -40 ºC to 55 ºC (-40 ºF to 131 ºF)

# AXIS T90C Fixed Dome IR-LED

- Eight SMT (Surface Mount Technology) LEDs
  - High power and reliability
  - Thermal management
- Easy to install
  - 5 m pre-mounted cables with gasket
- Visible light sensor
- Reliable
  - Low power consumption (less than 13W)
  - Long life performance
  - No maintenance required
  - 3-year warranty

# AXIS T93E05 Protective Housing

> Unobtrusive housing with compact and slim design

> Ideal for AXIS M11 Network Camera Series

> For indoor and outdoor environments

- No heater or fan is required
- Temperature ranging from -20 °C to 50 °C (-4 °F to 122 °F) with standard PoE (IEEE 802.3af)
- IP66-rated for protection against dust, rain and snow
- Weather and UV resistant polymer casing

# AXIS T93E05 Protective Housing – Features and smart qualities

> Ease to install
  - Adjustable sunshield
  - Power over Ethernet

> Included accessories
  - Sunshield
  - Wall bracket with an internal cable channel and ball joint

> Wide range of mounting accessories, same as for AXIS P13-E

# The latest innovations from Axis – summary

- Lightfinder – unique technology for light-sensitive cameras
- WDR-Dynamic capture to handle intense light/ back light
- Small and smart M-line cameras
- Panopsis – HDTV PTZ dome with 360° panoramic view and 18x zoom
- M,P and Q-line encoders to meet any need
- Ultra-discreet and compact PTZ cameras
- Covert cameras for face identification
- P-Iris control for image clarity
- H.264 in all new products for minimized storage & bandwidth needs
- Easy installation of cameras with many out-of-the-box, outdoor-ready models and Power over Ethernet

# The latest innovations from Axis – summary

- Remote focus, remote zoom, focus assistant and pixel counter enable easy and accurate image settings
- Software solutions for all types of customers
- Distributed intelligence in all P- and Q-line camera models
- Robust and high quality design for tough environments
- Functional, smart and compact design for specific use such as vehicle surveillance
- Quality audio & efficient compression
- Superb image quality in difficult lighting conditions
- Thermal imaging for network video surveillance
- Axis' Corridor Format for maximum coverage

# Axis technical services – Staying with you all the way

> Global support and presence
  - More than 15 languages, RMA partners in 18 countries
  - 3 year warranty

> Professional and knowledgeable support
  - Personal attention from our support engineers

> Extensive online tools
  - Quick answers with FAQ on www.axis.com/support
  - Chat
  - Online helpdesk with full support history

> Staying with you all the way…helps you **stay one step ahead!**

# Thank you!

Axis
open
partner network
HDTV
competence
worldwide
leader
network video
camera
convergence
intelligent
megapixel
easy installation
safe
innovation
outdoor
environment
leader
protect
thermal
global
ease of use
H.264
integration
image usability
focus
video encoder