

AXIS Communications Academy Webinar Series

Audio Conference Details

Conference Telephone Number: 1-212-444-0108

Participant Code: 7766324731

Participant audio will be muted until Q & A session following the presentation

This is Axis

- > Founded in 1984
- > IT company driving the shift towards digital video surveillance products
- > Global partnerships through distributors, resellers and system integrators
- > Offering the market's broadest portfolio of network video products
- > Focused on Network Video Solutions (99%)
- > Worldwide presence in more than 20 countries, 1000 employees
- > Listed on NASDAQ OMX, under the ticker AXIS



AXIS Q1602/-E Network Cameras



Outstanding performance in low light conditions

AXIS Q1602/-E Network Cameras



Outstanding image performance in poor light conditions

- > Unique Lightfinder technology from Axis effectively allows the cameras to "see" in the dark – even colors
- > Applications such as construction sites, city surveillance, parking lots, perimeters, transportation

AXIS Q1602/-E Network Cameras

AXIS Q1602

D1 resolution
Day/Night
Lightfinder



AXIS Q1602-E

D1 resolution
Day/Night
Lightfinder
Outdoor-ready (IP66)



AXIS Q1602/-E – Key applications

Ideal in poor lighting environments

- >Construction sites
- >City surveillance
- >Parking lots
- >Perimeters
- >Parks and pedestrian zones
- >Various indoor surveillance where lighting is sparse



Lightfinder technology

Combination of many factors

- > Latest generation of light-sensitive sensor
- > Optimized megapixel lens
- > Axis' in-house chip technology
- > Increased image processing power



Lightfinder technology

- > The noise reduction is beneficial for
 - Less bandwidth
 - Fewer storage costs
- > AXIS Q1602/-E first network cameras incorporating Lightfinder technology
- > White papers available on [Axis website](#)
- > Watch video
www.axis.com/products/cam_q1602/video/



AXIS Q1602/-E – Outstanding light sensitive cameras

- > Incorporate Axis' Lightfinder technology
- > Varifocal 2.8 - 8 mm, IR corrected, CS-mount lens
- > D1 resolution (720x576)
- > Support for H.264 Main Profile, a more efficient way of coding coefficients than traditional coding
- > Focus assistant, remote back focus, pixel counter
- > SD/SDHC memory card slot
- > Enhanced performance
 - Image processing
 - Compression enhanced with Main Profile H.264 option
 - Video analytics



ONVIF

Axis' Lightfinder technology

AXIS Camera Application Platform

AXIS Q1602-E – Outdoor-ready model

- > Built-in heater, fan and removable sunshield
- > Temperature ranging from -30 °C to 50 °C (-22 °F to 122 °F) with standard PoE (IEEE 802.3af), down to -40 °C (-40 °F) using High PoE midspan
- > Arctic Temperature Control
- > For demanding outdoor conditions
 - IP66-rated
 - NEMA 4X-rated
 - IK10-rated for protection against impact and vandalism
- > Out-of-the-box ready
 - Includes wall mount bracket, sunshield and 5-meter Ethernet cable; midspan not included



Axis' Lightfinder technology

AXIS Q1602/-E – Outstanding light-sensitive cameras

- > Edge storage
 - SD/SDHC memory card slot for local storage
 - Support for recording to a network share (NAS or file server)
- > Enhanced processing performance
 - Image processing capabilities
 - Compression enhanced with Main Profile H.264 option
 - Video analytics
- > Axis' Corridor Format™



Axis' Lightfinder technology
AXIS Camera Application Platform

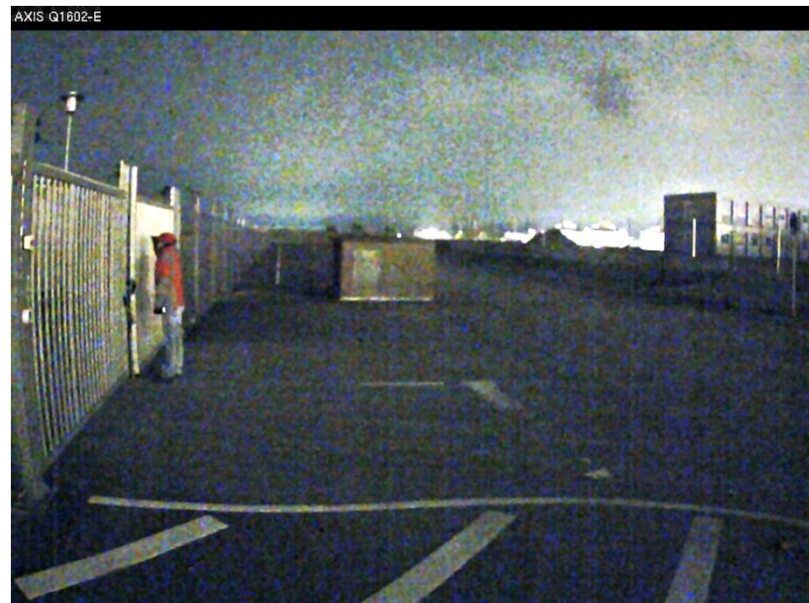
AXIS Q16 Series – Accessories

- > Choice of brackets: pole, ceiling, corner and column mount brackets
- > PoE and High PoE midspans for powering the cameras
- > Lenses
- > Illumination: AXIS T90A white and IR LED illuminators
- > Video management software
 - AXIS Camera Station and software from Axis' Application Development Partners



AXIS Q1602-E – Colors to identify people and objects

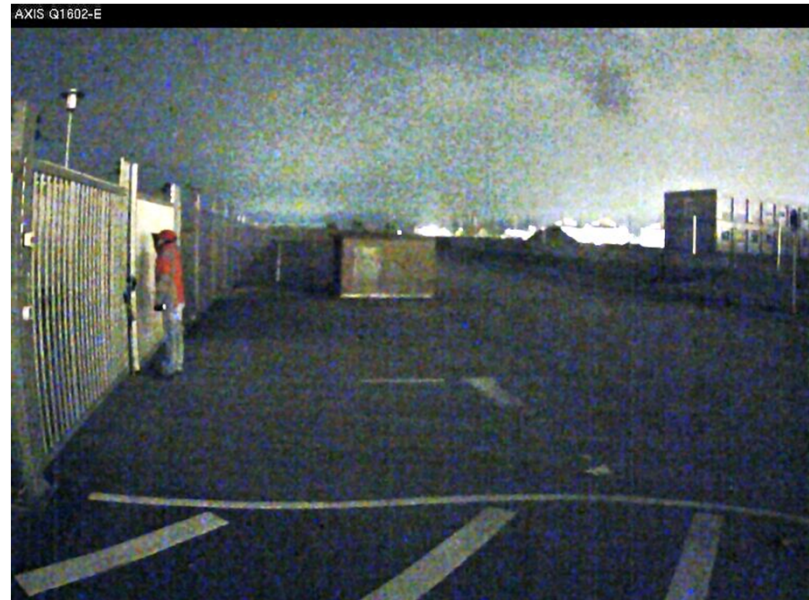
Comparison with AXIS 221 Network Camera



Perimeter surveillance with no street illumination at night time (10:40 p.m.) and approximately 0.1 lux.

AXIS Q1602-E – Overcoming the best

Comparison with the 'leading' best low light analog camera on the market



Perimeter surveillance with no street illumination during night time (10:40 p.m.) and approximately 0.1 lux.

www.axis.com

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AXIS Q1602 – Maintaining color definition and sharpness

Comparison with AXIS 221 Network Camera



Indoor storeroom surveillance in poor light conditions and approximately 0.4 lux.

AXIS Q1602 – Overcoming the best

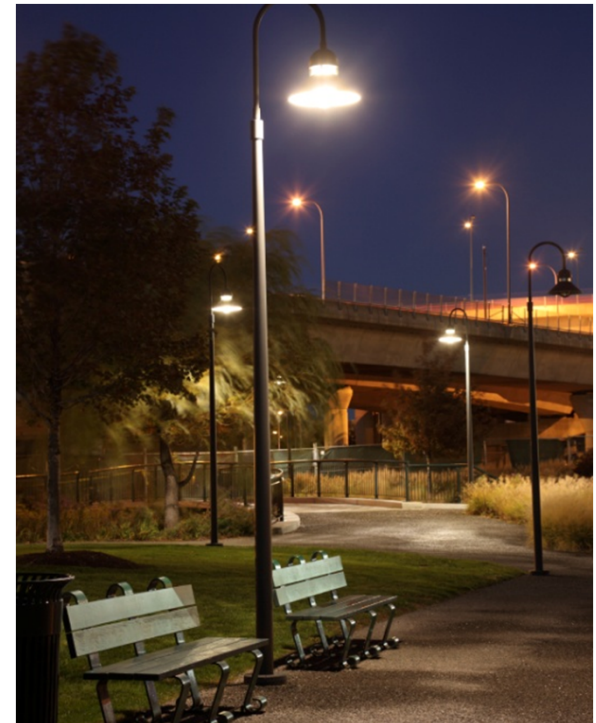
Comparison with the 'leading' best low light analog camera on the market



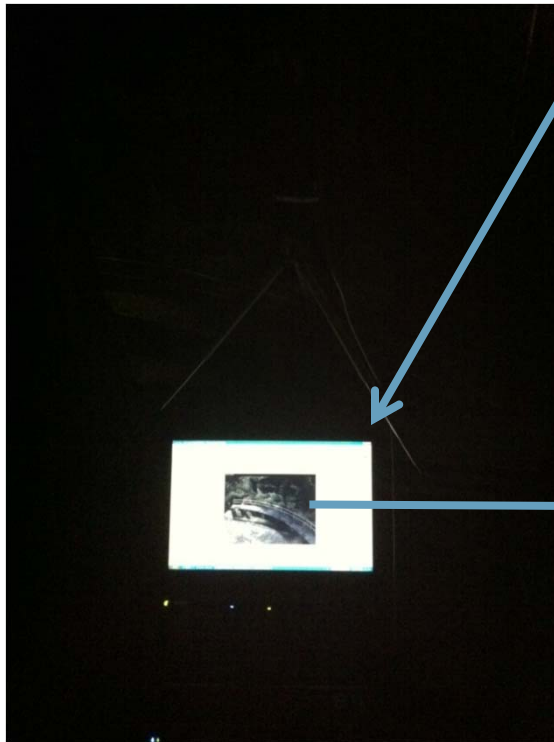
Indoor storeroom surveillance in poor light conditions and approximately 0.4 lux.

AXIS Q1602/-E comparison study

- > Outstanding image performance in low light conditions
- > Comparison study, AXIS Q1602/-E
www.axis.com/products/cam_q1602/video/
- > Watch Lightfinder technology presentation
www.axis.com/products/cam_q1602/interview/
- > [Partner Pages](#)



Axis' unique Lightfinder technology

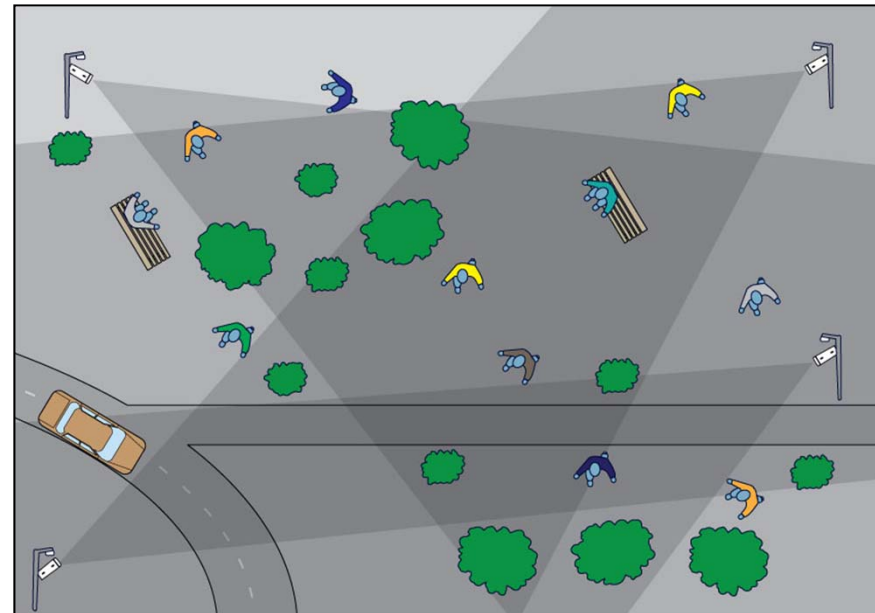


The live view from AXIS Q1602 is bright, while the surroundings appear dark to human eyes and to a digital camera



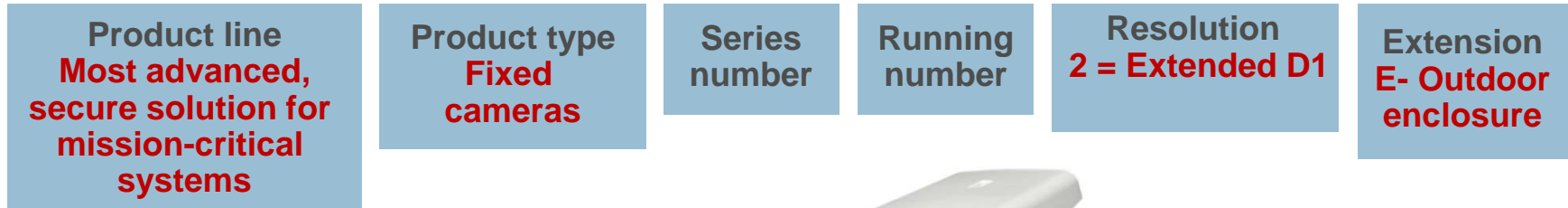
Use case – City surveillance

- > Color recognition to identify objects, color skin, clothing, etc.
 - Intended as aid to police forces
- > Progressive scan at extended D1 resolution to guarantee image quality even with moving objects or people
- > Robust video surveillance with IK10-rated casing against vandalism



What's in a name?

AXIS Q1602-E



AXIS Q1604/-E Network Cameras



Outstanding performance in intense backlight conditions

AXIS Q1604/-E Network Cameras



Outstanding image performance in high variation of lighting conditions

- > Axis' exceptional WDR-dynamic capture capability
- > AXIS Q1604/-E Network Cameras provide clear images even under backlight conditions where intensity of illumination can vary greatly

AXIS Q1604/-E – Key applications

Ideal in varying lighting conditions

- > Airports
- > Train stations
- > Government
- > City Surveillance
- > Banking
- > Tunnel passages
- > Entrances and buildings with large blinding windows



AXIS Q1604/-E – For demanding backlit conditions

- > Handles blinding light and provides superb images in difficult lighting conditions
- > Superb light sensitivity
- > Varifocal 2.8 - 8 mm, IR corrected, CS-mount lens
- > 1 MP or HDTV 720p resolution
 - Up to 1280 x 960 pixels
- > Support for H.264 Main Profile, a more efficient way of coding coefficients than traditional coding
- > Focus assistant, remote back focus, pixel counter
- > Enhanced processing performance
 - Image processing capabilities
 - Compression enhanced with Main Profile H.264 option
 - Video analytics



Wide Dynamic Range – dynamic capture
AXIS Camera Application Platform

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

- > Edge storage
 - SD/SDHC memory card slot for local storage
 - Support for recording to a network share (NAS or file server)
- > Enhanced processing performance
 - Image processing capabilities
 - Compression enhanced with Main Profile H.264 option
 - Video analytics
- > Axis' Corridor Format



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Wide Dynamic Range – dynamic capture
AXIS Camera Application Platform

AXIS Q1604-E – Outdoor-ready model

- > Built-in heater, fan and removable sunshield
- > Temperature ranging from -30 °C to 50 °C (-22 °F to 122 °F) with standard PoE (IEEE 802.3af), down to -40 °C (-40 °F) using High PoE midspan
- > Arctic Temperature Control
 - Camera not only functions at -40 °C (-40 °F), but can also power up at that temperature following a power failure
- > For demanding outdoor conditions
 - IP66-rated
 - NEMA 4X-rated
 - IK10-rated for protection against impact and vandalism
- > Out-of-the-box ready
 - Includes wall mount bracket, sunshield; midspan not included



Wide Dynamic Range – dynamic capture
AXIS Camera Application Platform

AXIS Q1604/-E – Enhanced WDR – dynamic contrast



Image captured by AXIS Q1604 in South Africa, July 2011



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*Wide Dynamic Range – dynamic capture
AXIS Camera Application Platform*

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AXIS P1344 vs AXIS Q1604, a side by side comparison



AXIS Q16 Series – Accessories

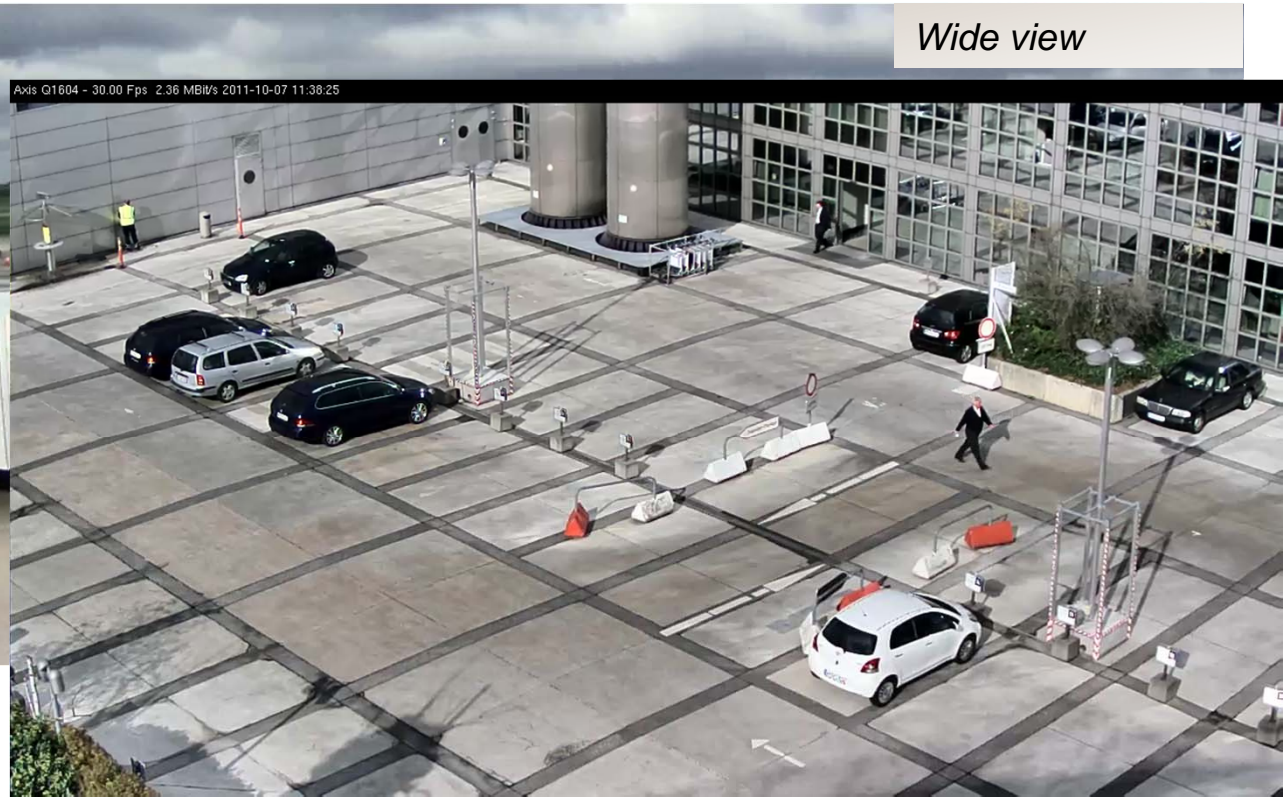
- > Choice of brackets: pole, ceiling, corner and column mount brackets
- > PoE and High PoE midspans for powering the cameras
- > Lenses
- > Illumination: AXIS T90A white and IR LED illuminators
- > Video management software
 - AXIS Camera Station and software from Axis' Application Development Partners



AXIS Q1604 – Installation examples

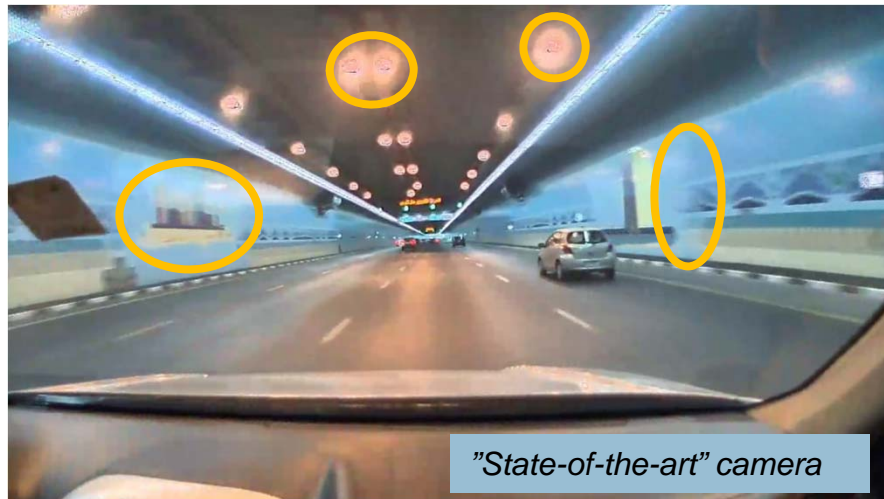


Tele view



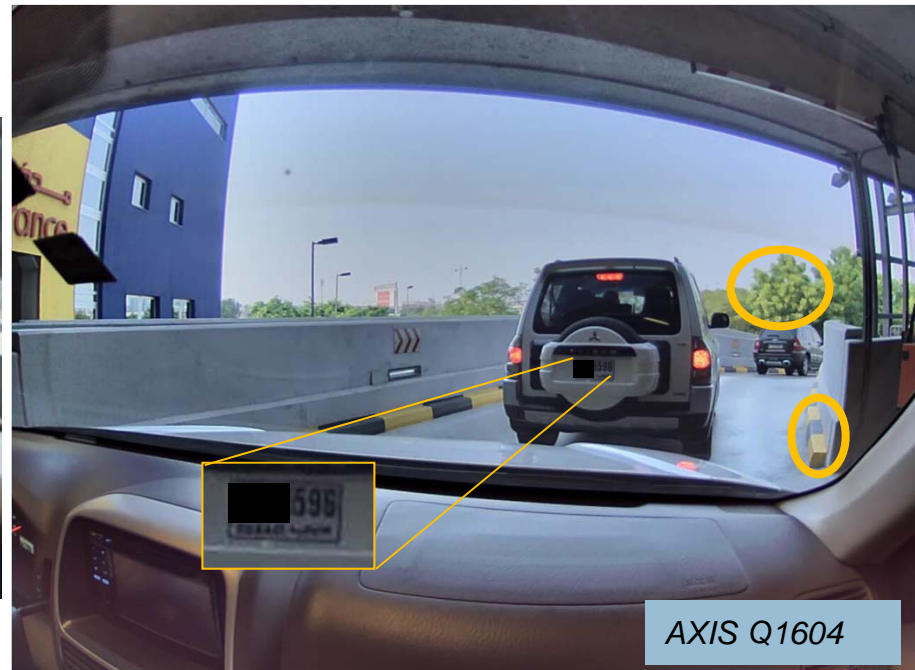
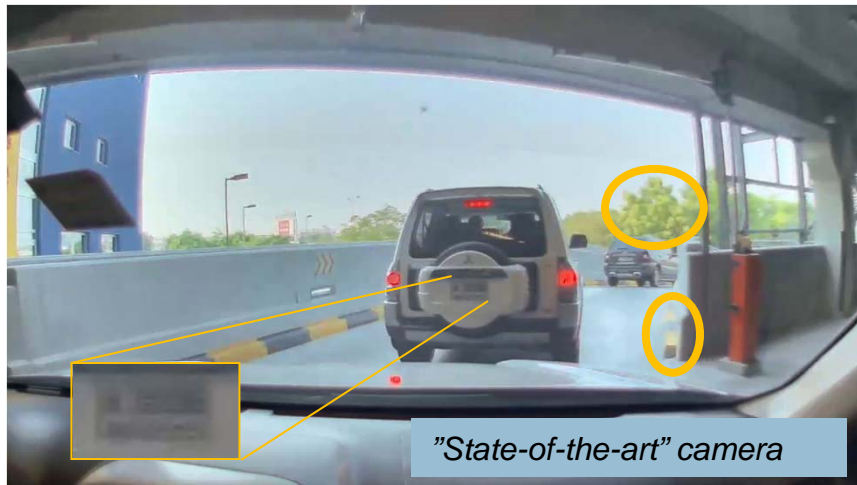
Wide view

Comparison with a "state-of-the-art" camera with WDR



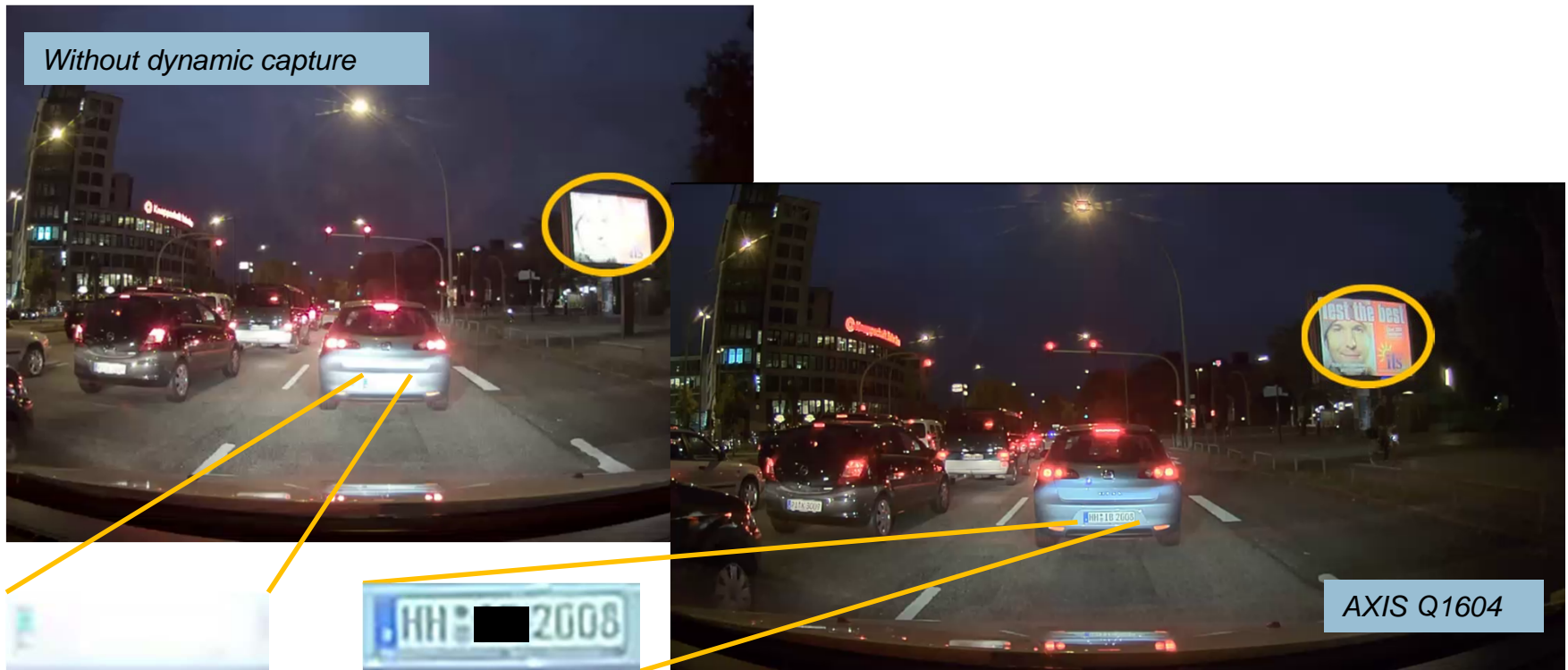
Surveillance onboard a car in a tunnel. Better contrasts and definition with AXIS Q1604

Comparison with a "state-of-the-art" camera with WDR



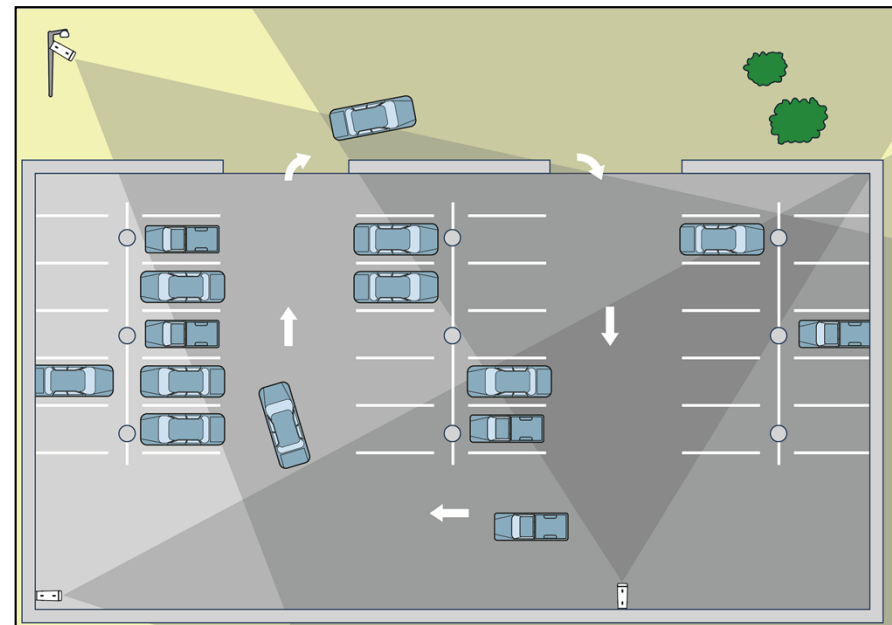
Surveillance onboard a car exiting a garage. License plate recognition with AXIS Q1604

Comparison with a camera without dynamic capture



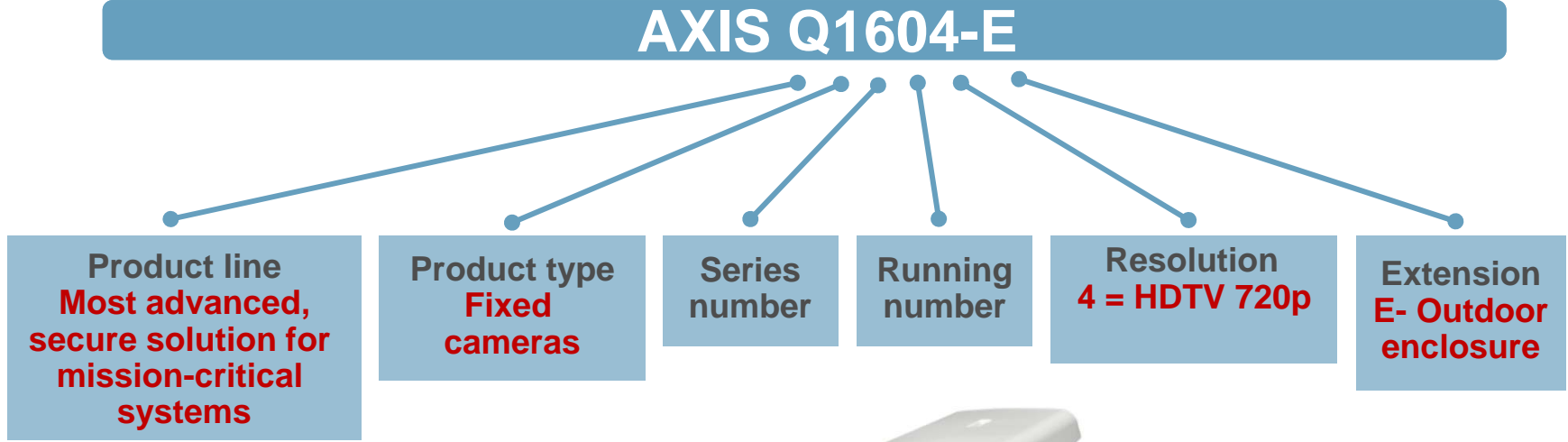
A user case scenario

- > Clear images even with intense light or high contrasts, such as covered parking lots
 - dark areas with backlight
 - or bright areas with dark spots
- > 1 megapixel or HDTV 720p quality with details information
- > Robust video surveillance with IK10-rated casing against vandal acts



What's in a name?

AXIS Q1604-E



Additional Information & Instruction

- > *The Axis Communications' Academy provides a range of educational curricula to boost competence and confidence about Axis products and network video technology.*



▶ Classroom-based training



▶ Web-based training



▶ Webinars



▶ Guides and tutorials

Classroom based training locations into 2011

Course calendar Classroom-based courses

Check the course and location you wish to attend in order to register. Registration for the Fundamentals and Advanced courses are done via the Axis Shop. Course fees are paid directly by credit card. [General conditions](#)

Note: Fundamentals and Advanced courses are only open to members of our Channel Partner Program. Learn more about the [Axis Channel Partner Program](#). To join, complete the [registration form](#).

The Long Island class on Nov 30 - Dec 2 and the Ft. Lauderdale, FL class on Dec 7-9 have filled

Dates for Classroom-based trainings

	Dates	Location	Course	Fee
<input type="checkbox"/>	Jan 11-13, 2011	Denver, CO	3-day Fundamentals	USD 500
<input type="checkbox"/>	Jan 18-20, 2011	Chelmsford, MA	3-day Fundamentals	USD 500
<input type="checkbox"/>	Jan 18-20, 2011	St. Louis, MO	3-day Fundamentals	USD 500
<input type="checkbox"/>	Feb 1-3, 2011	Toronto, ON	3-day Fundamentals	USD 500
<input type="checkbox"/>	Feb 8-10, 2011	San Antonio, TX	3-day Fundamentals	USD 500
<input type="checkbox"/>	Feb 15-17, 2011	Hartford, CT	3-day Fundamentals	USD 500

Planning is underway for more 2011 locations. Check back soon for more dates and locations. No prerequisites are required.

**Due to limited class sizes,
Axis allows up to 2 people per company per training.**

2010 Trainings

Click on the pictures for more info on training location and accommodations.

For all Chelmsford trainings



For MA, the hotel is for accommodations only. The training will be held in our Chelmsford office.

Nov 30 - Dec 2



Long Island, NY

Dec 7-9



Ft. Lauderdale, FL

2011 Trainings

Jan 11-13



Introducing the new AXIS Certified Professional Program

Axis Certification Program | Axis Communications



Introducing the network video certification that shows your strengths.

- Home
- Individual benefits
- Business benefits
- Prepare
- Q&A
- Register
- Academy



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Get the Axis picture. Stay one step ahead.

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