

FLEXIDOME IP starlight 8000i X series Highest level of detail

Rely on the highest levels of security for mission critical applications thanks to high quality imaging capabilities, combined with built-in Artificial Intelligence and a robust housing.

A portfolio overview



FLEXIDOME IP starlight 8000i X series Excellent imaging – starlight X technology

starlight X technology

FLEXIDOME IP starlight 8000i (X series)

- ► Maximum sensitivity to ensure best possible picture quality 24/7
- ► Available in HD 1080p and 4MP resolution, these cameras capture maximum detail in challenging scenes to enable Intelligent Video Analytics to provide even more relevant data.

HD starlight



Competition 1/1.8" 4MP Low light



HD starlight X



4MP starlight X



FLEXIDOME IP starlight 8000i X series Excellent imaging – starlight X technology

starlight X technology - maximum performance, 24/7

- ► starlight X technology combines the latest high performance, large pixel sensors, custom optics, improved image processing and noise suppression
 - ▶ Up-to 5.5x improved color sensitivity compared to the regular starlight camera
 - ► Reduced motion blur due to faster shutter speeds
 - ► More detail due to lower noise
 - ► Much better color reproduction at lower light levels
- New technology boosts monochrome sensitivity to the next level
 - Highly improved performance in extreme low-light scenes
 - Significantly increases the range of external IR illuminators

FLEXIDOME IP starlight 8000i X series Excellent imaging – starlight X technology

starlight X



HD

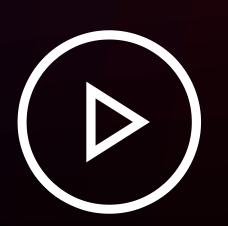


Competitor A



Competitor B





WATCH VIDEO

FLEXIDOME IP starlight 8000i X series HDR X – High Dynamic Range

HDR X – High Dynamic Range

- ► HDR X is a new technology that combines unique sensor functionality and advanced algorithms. It is a huge leap forward in capturing high quality video of moving objects in scenes with a large dynamic range.
 - ► HDR X provides motion optimized images without blur and motion artefacts
 - ► HDR X allows HDR imaging at lower light levels in which traditional HDR technologies are non-functional
- ▶ Up-to 144dB in HDR X − Extreme DR mode



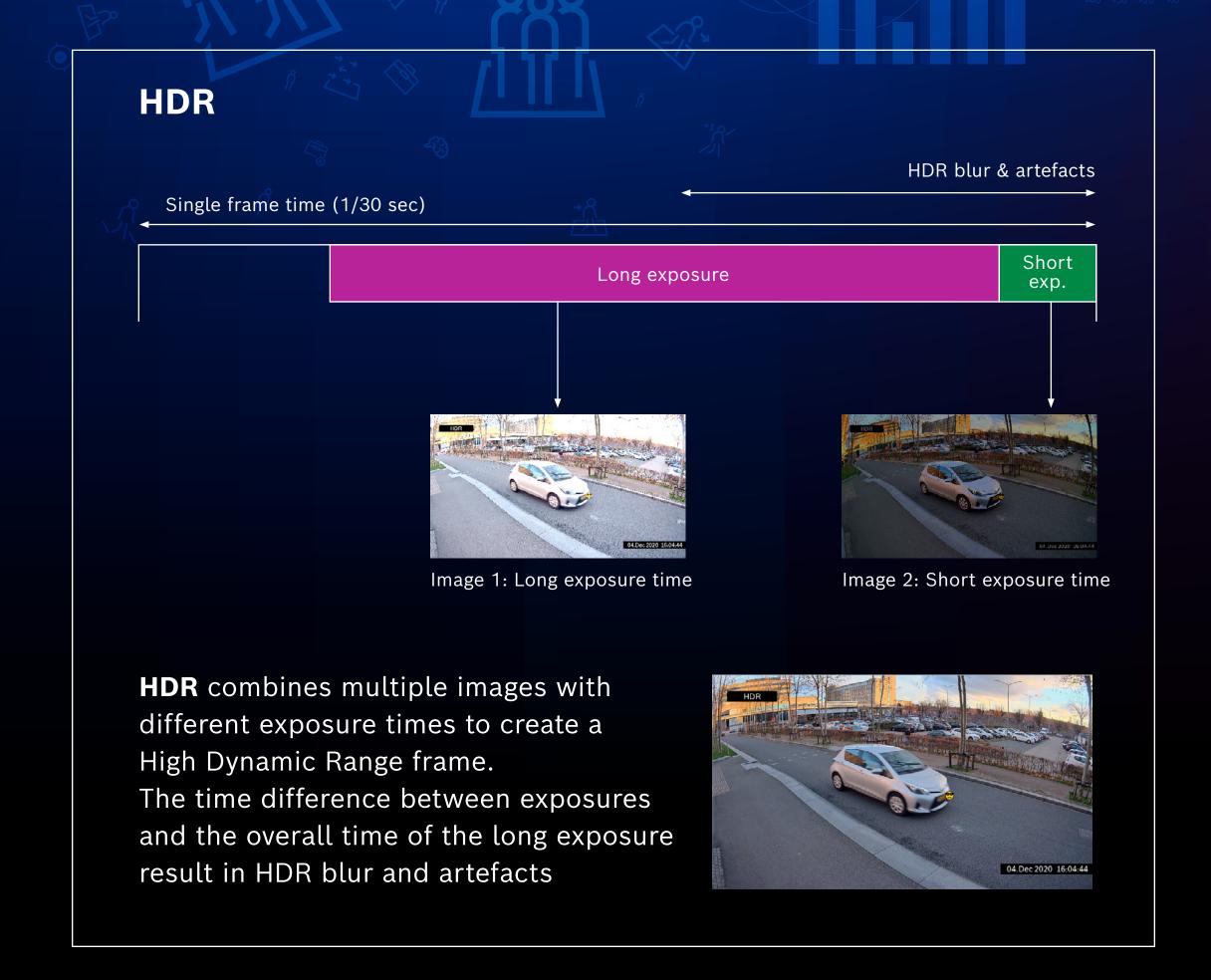


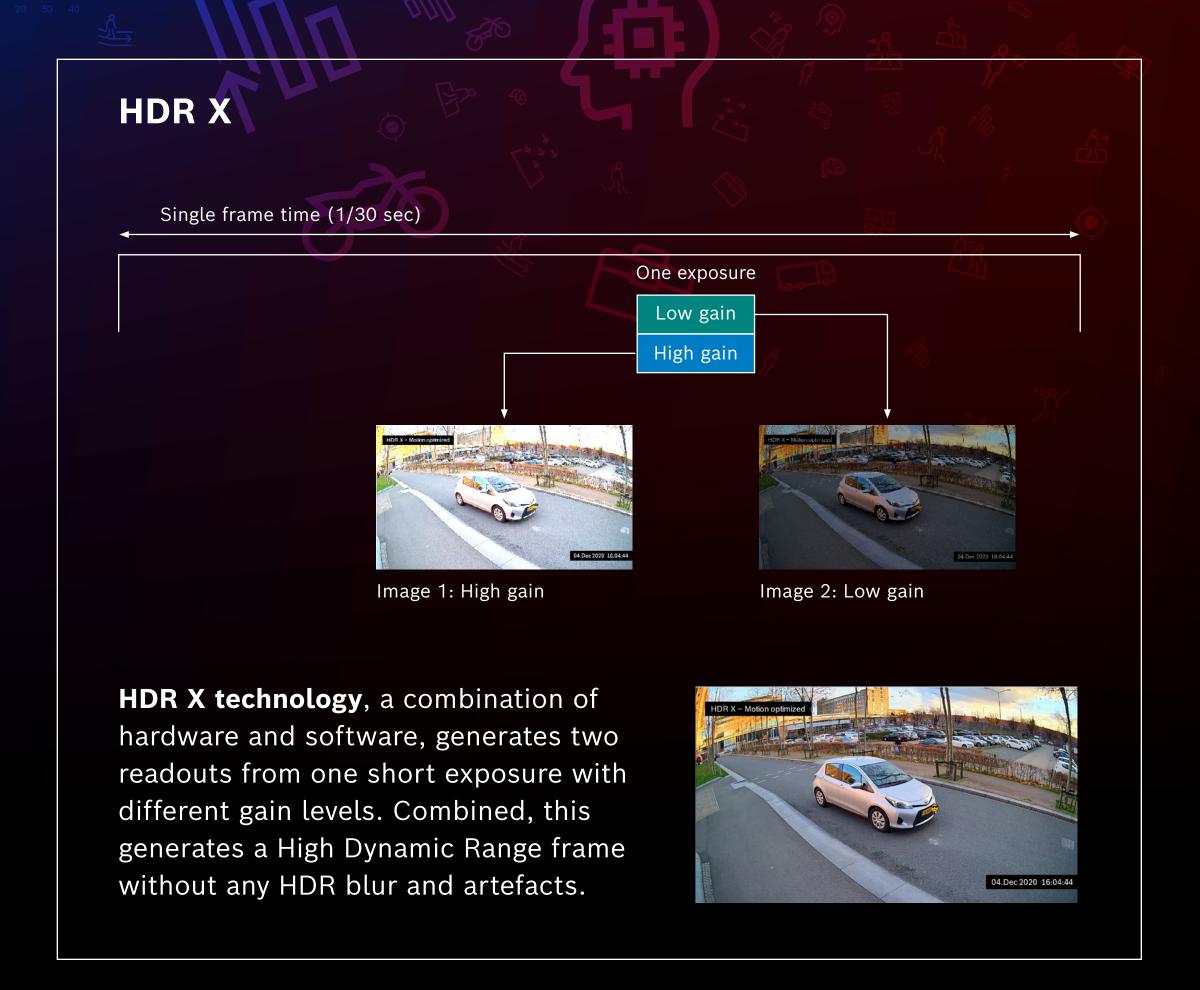






FLEXIDOME IP starlight 8000i X series HDR vs HDR X





AloT Video Systems from Bosch Predictive insights that help you to prepare for what's next



Understand semantics of video data with **built-in Al**

- Object ID
- Object class
- Speed
- Color



#90 km/h

- Size
- Trajectory
- ► Time stamp
- GPS coordinates

#N 54°52'44.0 E 9°14'14.2



AloT product portfolio

► A portfolio of capable, durable and secure by design devices with Video Analytics (AI) as built-in standard



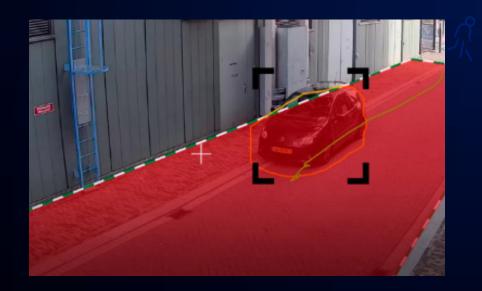
AloT software Support informed decisions

AloT software consolidates and augments data of multiple cameras to establish a decision center that provides full (semantic) scene understanding and supports informed decisions. E.g. Intelligent Insights

AloT Video Systems from Bosch Evolution of Artificial Intelligence (AI)

The development of intelligence towards predictive solutions

Predictive



Essential Video Analytics

- ► First step in object detection
- Generic security applications and beyond



Intelligent Video Analytics and Camera Trainer

- Reliably detect any moving objects
- Machine learning
- Mission critical or tailored security applications



From scene to screen: New powerful and flexible platforms

- Supports latest technologies
- Add third-party software solutions



Deep Neural Network

- based applications
- ► Traffic Detector
- Rich metadata with vehicle sub class., geolocation and speed
- For busy and complex traffic scenes

Actionable insights

- Data consolidation and augmentation of multiple sensors
- General security applications and beyond

IP 3000i - IP 6000

IP 7000 - IP 8000

INTEOX

INTEOX OC models

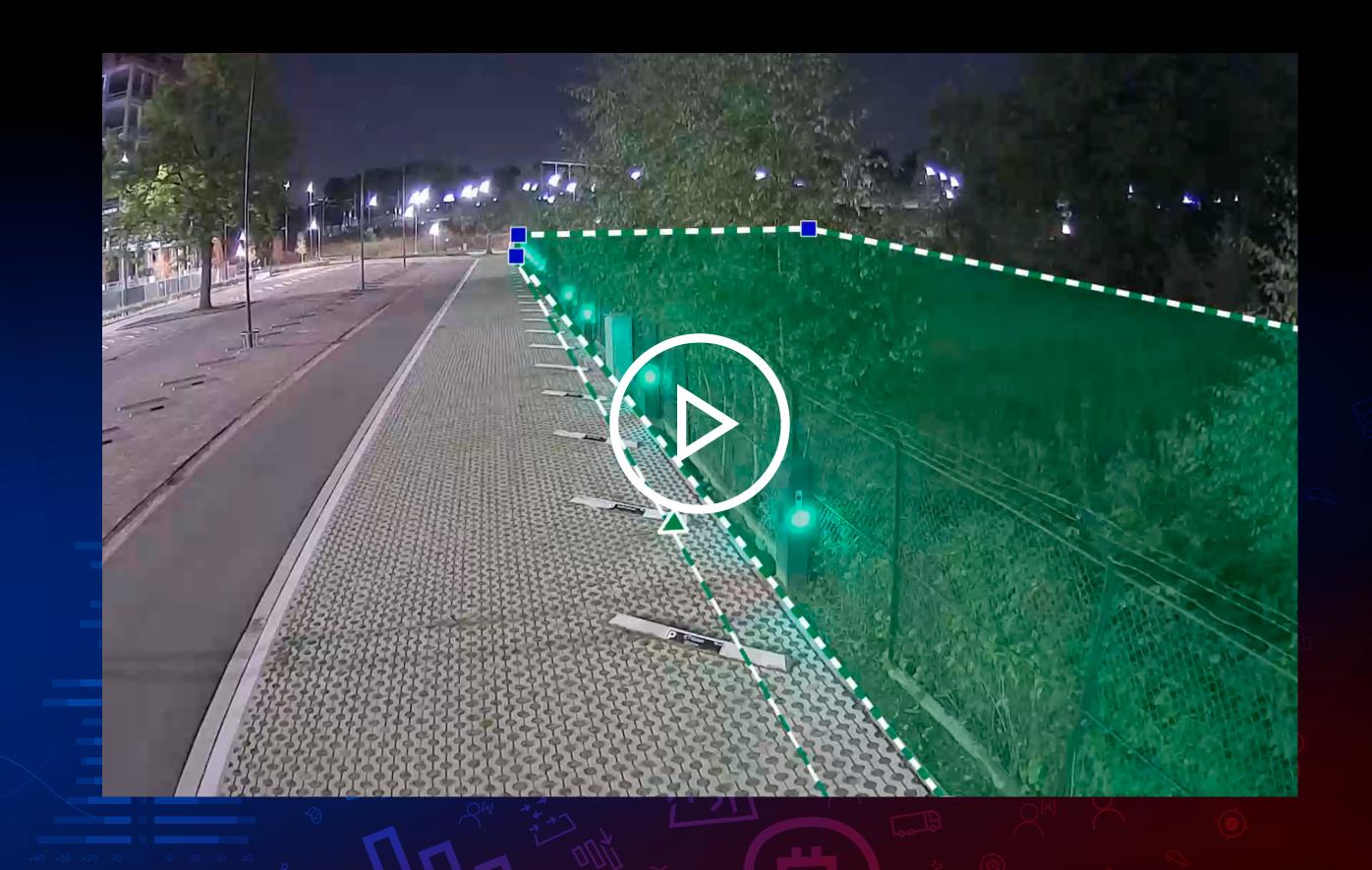
Intelligent Insights

FLEXIDOME IP starlight 8000i X series Ideal for mission critical security applications

Perimeter protection

- Large distances
- ► Resistant against shaking
- ► Reliable in challenging weather





The next step in Video Analytics Cameras with built-in machine learning capabilities

With the Camera Trainer you can teach your camera to:









Detect user-defined objects

Recognize user-defined situations

Find stationary objects

Separate objects clustered together

Enable cameras to detect objects or situations that matter most to you.

FLEXIDOME IP starlight 8000i X series A capable solution

The **new** FLEXIDOME IP starlight 8000i – X series cameras are introduced to offer the ideal solution for applications with extremely challenging lighting situations

HD 1080p	4MP
Outdoor	Outdoor
1/1.8" sensor	1/1.8" sensor
Custom wide angle and tele focal motorized zoom/focus	Custom wide angle and tele focal motorized zoom/focus
lens (4.4 - 10mm; 110° - 48° / 12 - 40mm; 36.8° - 12.8°)	lens (4.4 - 10mm; 110° - 48° / 12 - 40mm; 36.8° - 12.8°)
HD 1080p (2.1MP) resolution	4.1MP resolution
HDR X (144 dB)	HDR X (141 dB)
starlight X (Color: 0.0061lux. Mono: 0.0007lux)	starlight X (Color: 0.0078ux. Mono: 0.0008lux)
High frame rate: 50/60 fps (HDR X: 25/30)	High frame rate: 50/60 fps (HDR X: 25/30)
Result: optimized data capture (Intelligent Video Analytics)	Result: optimized data capture (Intelligent Video Analytics)
thanks to increased image quality	thanks to increased image quality



NEW: FLEXIDOME IP starlight 8000i - X series with further enhanced image quality capabilities.

FLEXIDOME IP starlight 8000i X series Applications



Industrial

- Utilities & energy
- Harbors
- Manufacturing
- Robust housing
- Hard to reach installations



Public authorities

- Governmental buildings
- ► City surveillance
- ► High resolution in low light
- Advanced bitrate management



Transportation

- ► Traffic (e.g. tunnels)
- Airports
- Train stations
- High frame rates
- Challenging lighting scenes
- Best in class Video Analytics

FLEXIDOME IP starlight 8000i X series A comprehensive design

FLEXIDOME IP starlight 8000i X series



Protection again water and dust ingress

IP66

IP6K9K

NEMA 4X

Vandal resistant

IK10+



Withstands challenging environmental conditions

EN 50130-5 (Class IV)

NEMA TS-2



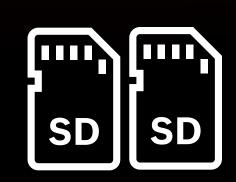
High quality, dual layer coating for protection against corrosion even in coastal areas (1344h)

IEC 60068-2-52

Wireless
commissioning and
motorized lens
positioning (PTRZ)



Industrial dual SD card support



FLEXIDOME IP starlight 8000i X series

Game-changing installation concept



Reduced installation and commissioning time



Wireless remote commissioning



Unified set of accessories

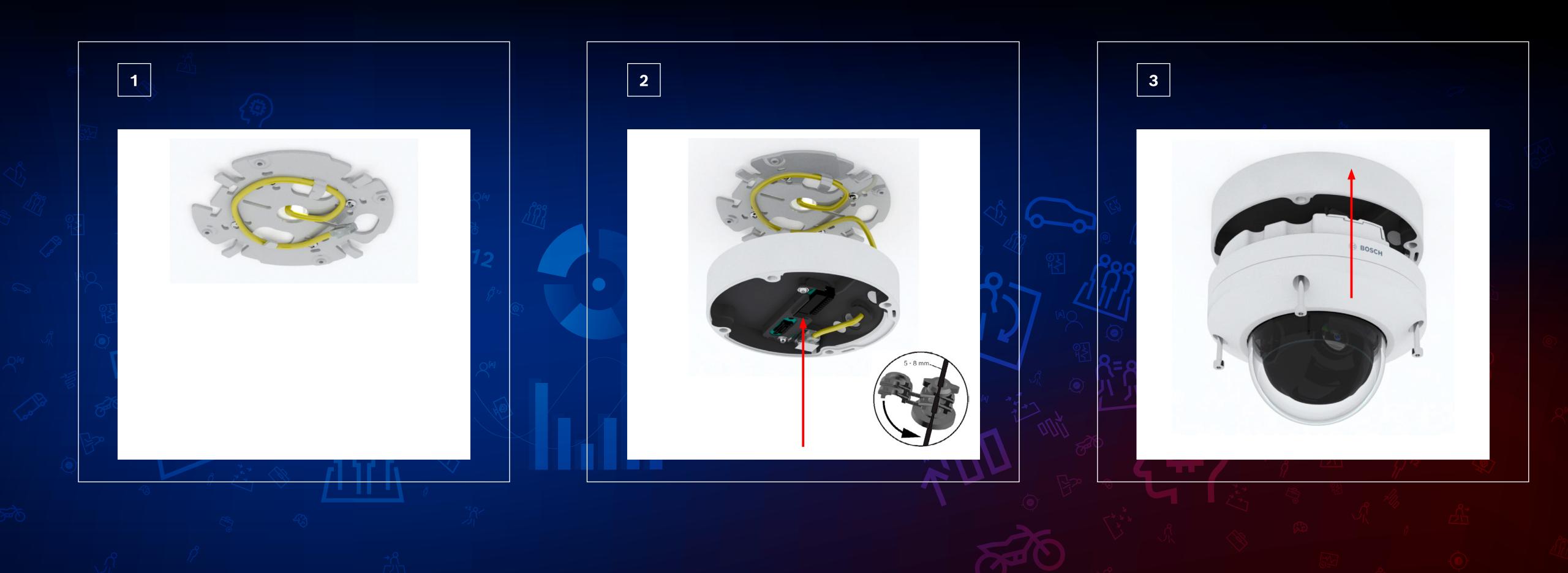


Project Assistant (app)
Wireless configure and commission multiple cameras, by connecting to the cameras' built-in wireless module.

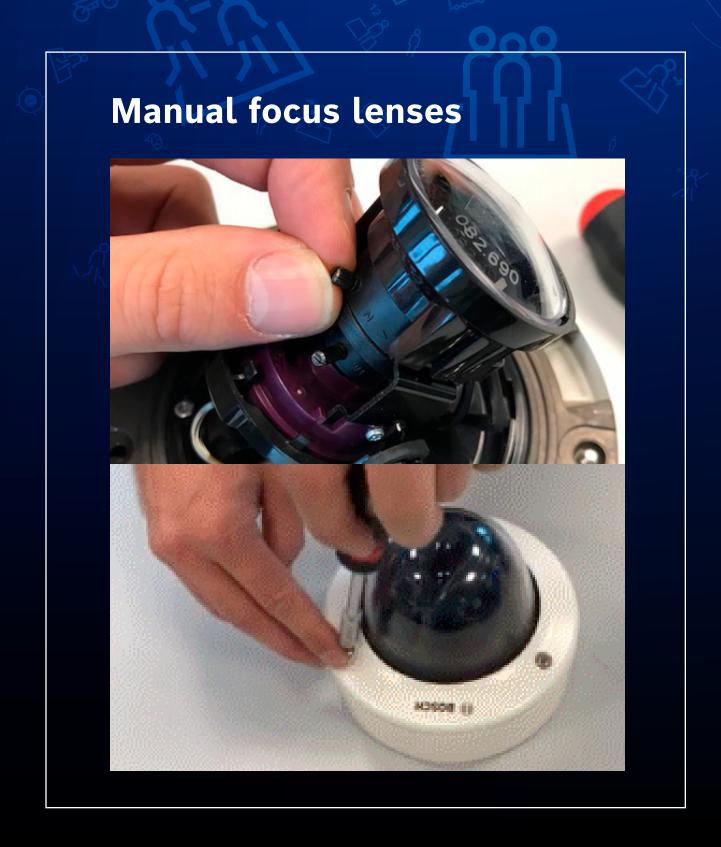


Calibration
Video analytics is easy
to setup. Simply enter the
height of your camera and
the rest of the calibration
is carried out by the video
analytics itself.

FLEXIDOME IP starlight 8000i X series Simplified installation process



FLEXIDOME IP starlight 8000i X series Evolution in commissioning

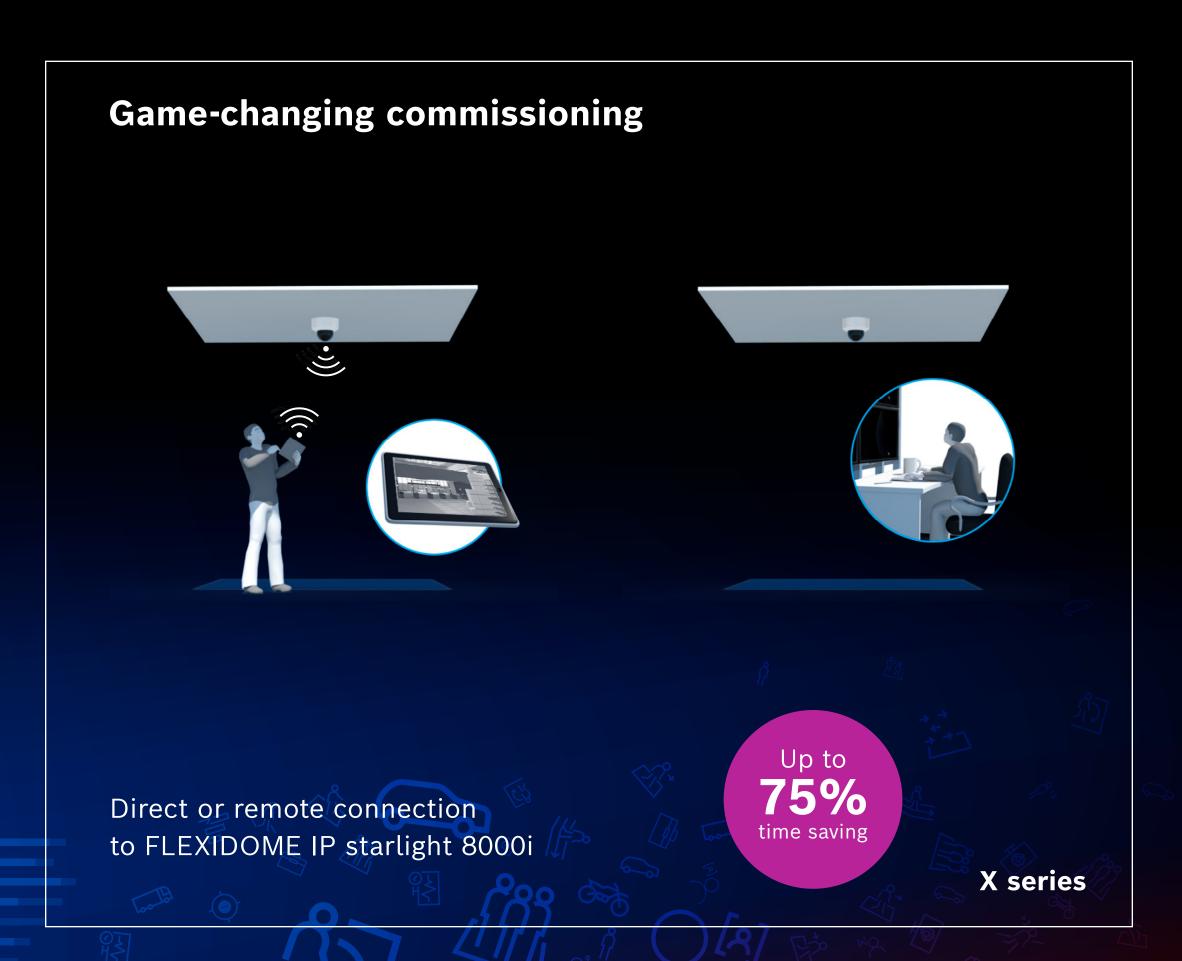






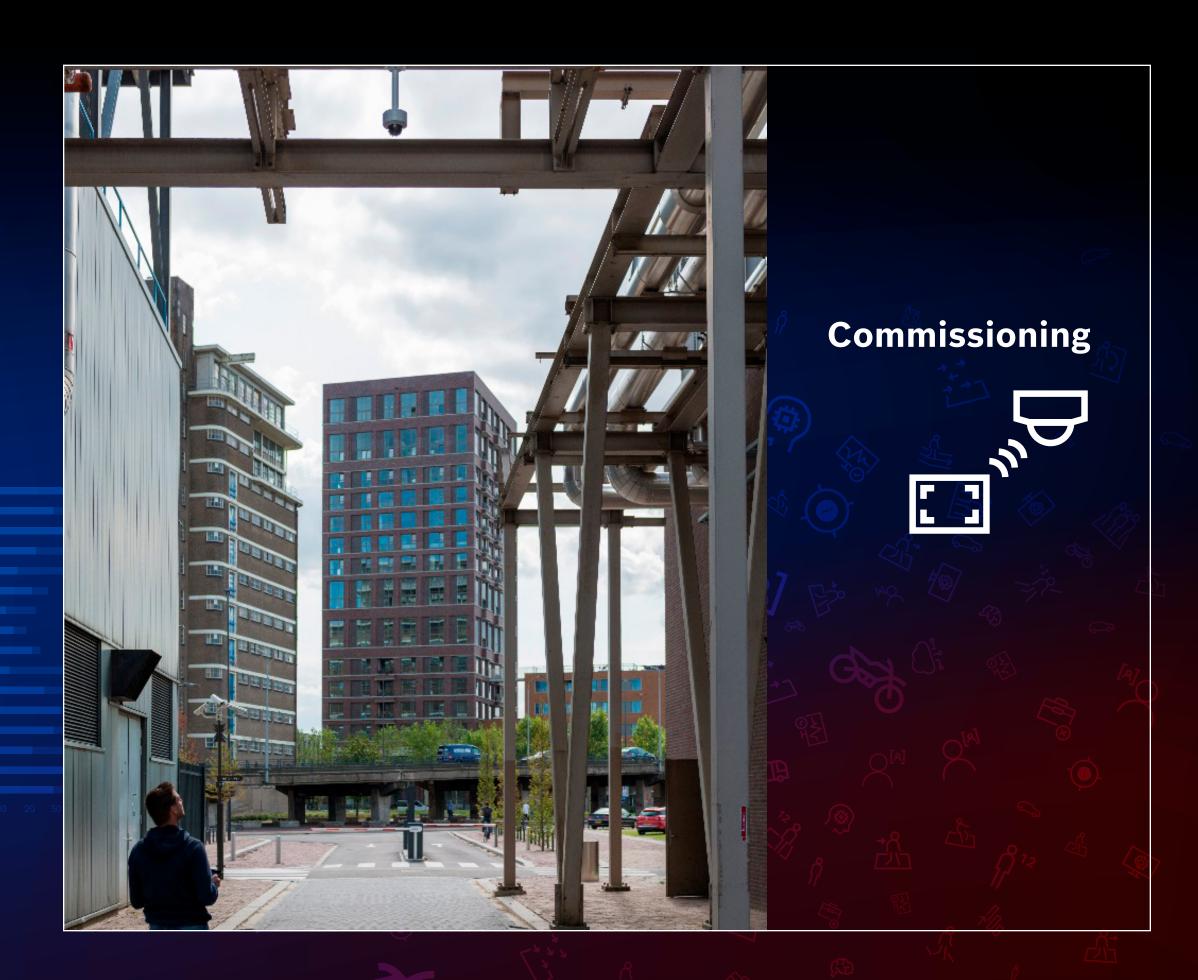
FLEXIDOME IP starlight 8000i X series Game-changing commissioning concept



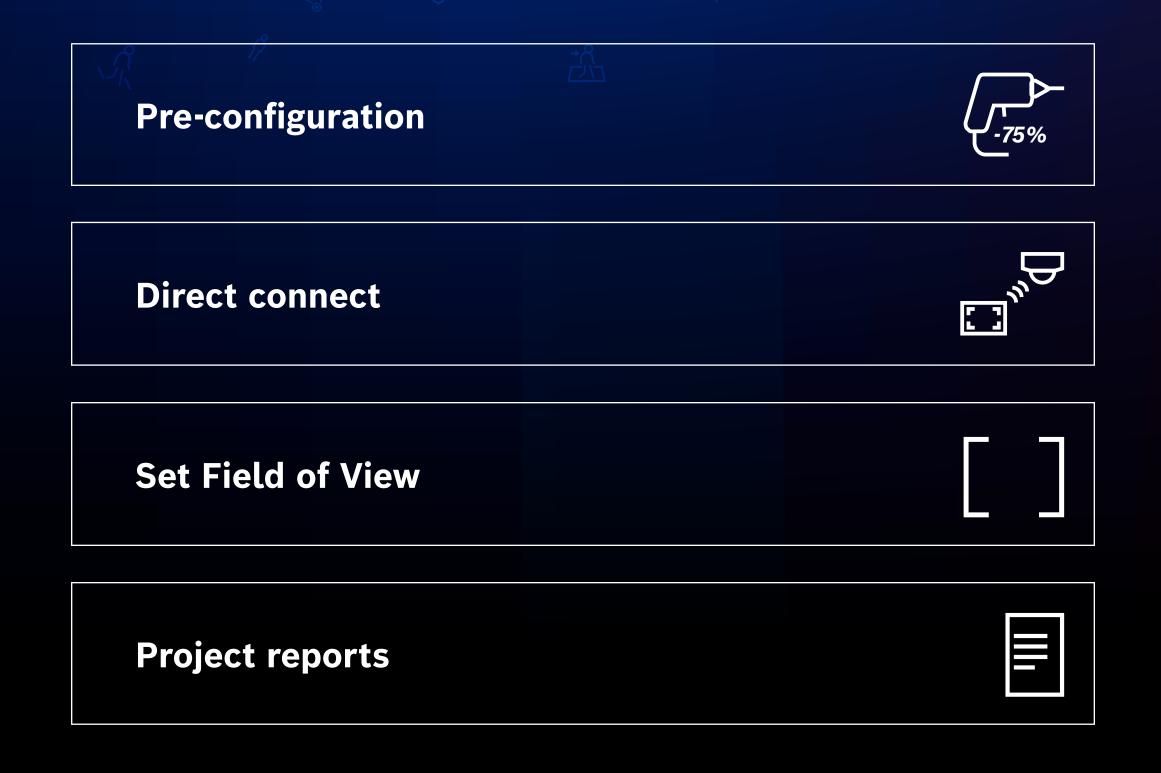


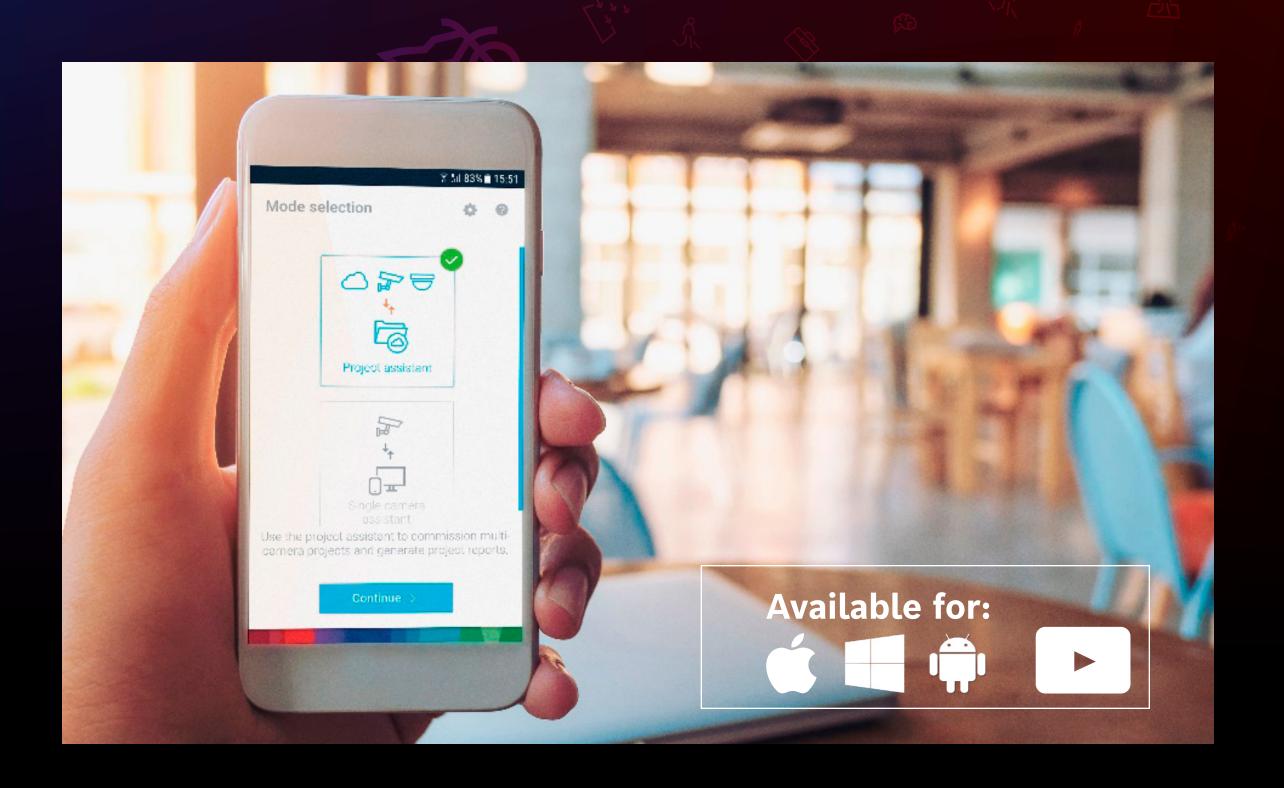
FLEXIDOME IP starlight 8000i X series Game-changing commissioning concept





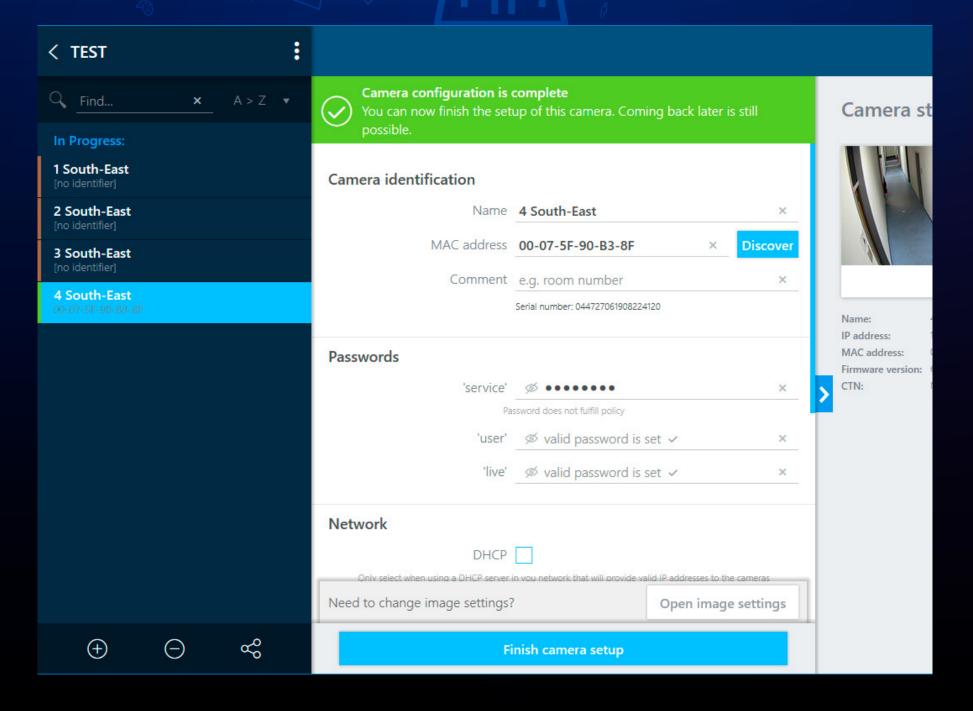
FLEXIDOME IP starlight 8000i X series Project Assistant

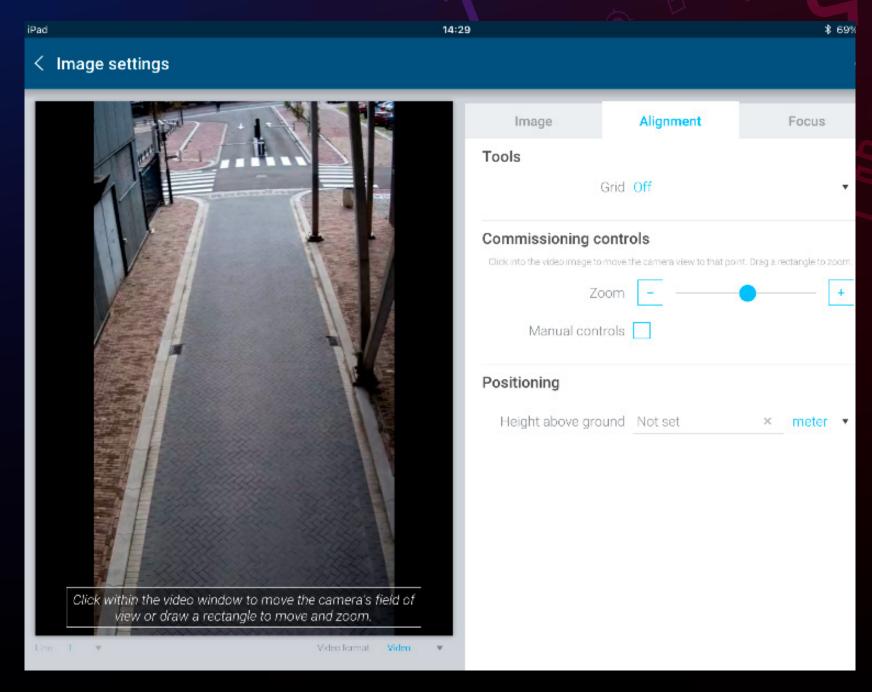


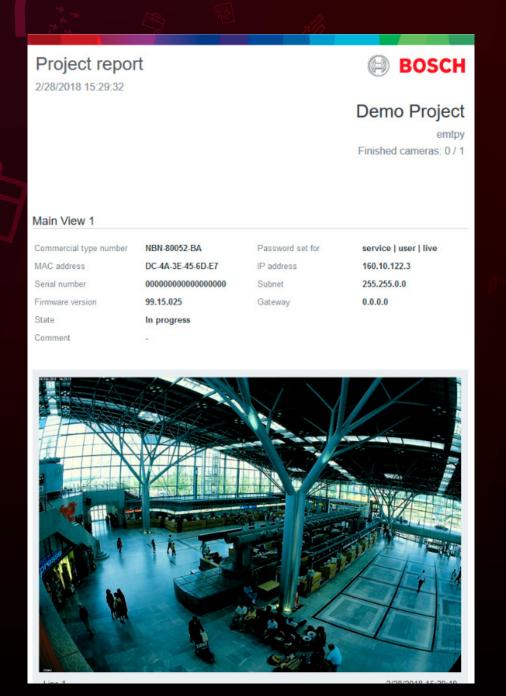


FLEXIDOME IP starlight 8000i X series Project Assistant

Remote commissioning and reporting







FLEXIDOME IP starlight 8000i; complete portfolio

Highest level of detail

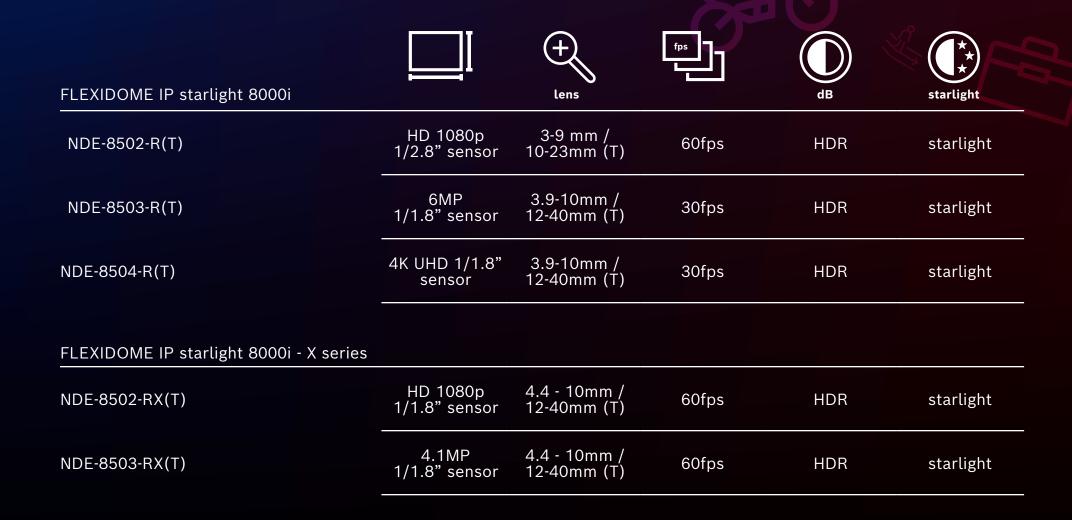


The FLEXIDOME IP starlight 8000i series of fixed dome cameras allows users to rely on the highest levels of security for mission critical applications thanks to its high resolution imaging with starlight technology and excellent High Dynamic Range capabilities, combined with built-in Artificial Intelligence and a robust housing.



FLEXIDOME IP starlight 8000i X series

Specifications



Time saving installation



Unified set of accessories



Remote commissioning with installation time the camera's builtin wireless



Reduced

Built-in Artificial Intelligence

with Intelligent Video Analytics and Camera Trainer



Perimeter protection



Reliable alerts, even in extreme weather conditions



Video Analytics extremely resistant against shaking



Camera Trainer functionality



Video content analysis over large distances

Housing



High impacts

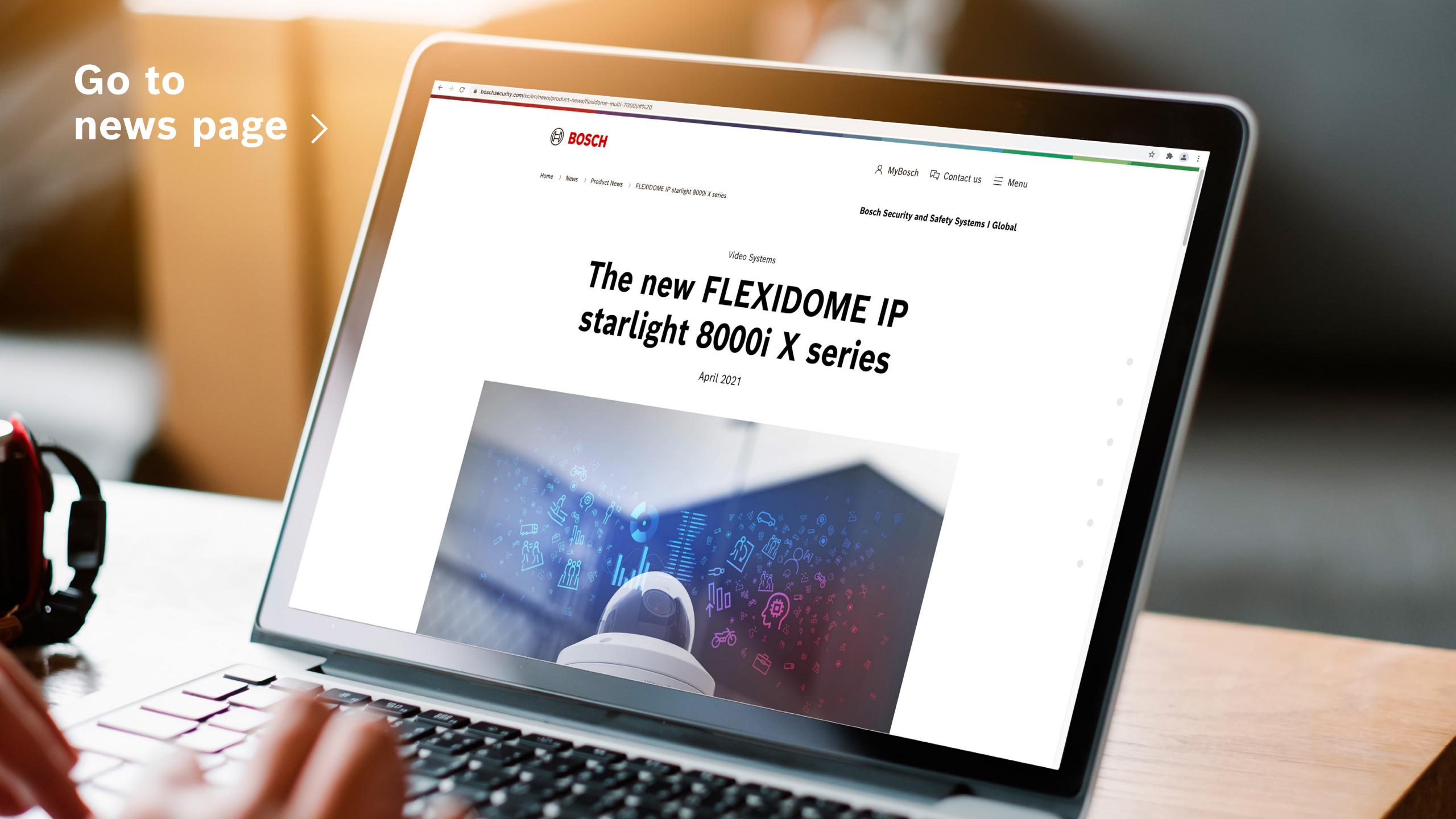


Certified to ensure robustness



Withstands challenging weather conditions

[•] Ease of installation • Data security • Bitrate reduction ≤80%



FLEXIDOME IP starlight 8000i X series datasheet



FLEXIDOME IP starlight 8000i X series

2MP



DOWNLOAD

Datasheet



FLEXIDOME IP starlight 8000i X series

4MP



DOWNLOAD

Datasheet

