

Invented for life



BOSCH



FLEXIDOME 8100i

Intelligent. Reliable. Effortless.

The new FLEXIDOME 8100i with motorized pan-tilt-roll-zoom (PTRZ) builds on the award-winning FLEXIDOME IP starlight 8000i cameras, pushing the boundaries of technology with advanced edge-based intelligence, exceptional imaging quality and easy installation. The new family is the ultimate video security solution for high-risk security projects such as government buildings, which have unique challenges.

Intelligent



Reliable



Effortless



This flagship series of motorized PTRZ fixed cameras feature application-specific AI with Intelligent Video Analytics Pro (IVA Pro) for enhanced functionality and flexibility. Bringing the latest starlight X and HDR X ensures color detail, without blur and artefacts caused by object movement, even at low light levels. The addition of infrared (IR) models makes the camera an ideal choice for high-risk security areas. AI-powered Autocalibration further simplifies installation, saving time, effort, and costs.

Edge-based AI for enhanced functionality

IVA Pro offers enhanced security and valuable data for informed decision-making, cost reduction, and efficiency improvement, resulting in measurable ROI. The FLEXIDOME 8100i has two pre-installed licenses: IVA Pro Buildings for reliable person and vehicle detection and IVA Pro Perimeter for advanced intrusion detection over long distances. Adding the complementary IVA Pro Privacy license balances security and privacy, by using AI-based blurring to protect sensitive information while capturing relevant details. Choose from one of the many IVA Pro software licenses available.



IVA Pro Traffic

Enhances mobility, safety, and the efficient use of roadways with highly accurate detection, classification and localization of vehicles, motorcycles, bicycles, trucks, and buses in heavy traffic.



IVA Pro Visual Gun Detection

Designed to detect people brandishing guns and promptly alert personnel who can verify the gun at an early stage and take proactive measures to secure approach and entry points.



IVA Pro Appearance

Supports Forensic Search with granular data on physical attributes such as clothing, hair color, size, and length.



IVA Pro Dangerous Goods Sign

Enables fast and easy situational investigations by detecting and recognizing the content of dangerous goods signs (ADR) on cars, vans, and trucks at speeds up to 120km/h (75 mph).



IVA Pro Personal Protective Equipment (PPE)

Supports health and safety compliance and minimizes accident risk. Reliably detects individuals and their PPE items, such as a safety vest or hard hat, and alerts when missing.



IVA Pro Vehicle Make Model

Delivers more refined forensic searching by detecting and identifying the make and model of moving cars, vans, buses, and trucks from more than 140 manufacturers and 2,000 models.



IVA Pro License Plate Recognition (LPR)

Captures license plate text and numbers on cars, vans, buses, trucks, and motorbikes at speeds up to 120km/h (75 mph) with high accuracy, and transmits plate information in real time.



Intelligent Audio Analytics – Gunshot Detector

Designed to detect handguns and rifles, indoors and outdoors, while ignoring false positives, like slamming car doors or banging carts.

Exceptional imaging no matter what

In low light, many cameras switch to monochrome with infrared light, making it challenging to identify specific visual characteristics. Starlight X delivers clear and relevant images in extremely low-light scenes. HDR X ensures perfect exposure and eliminates motion-related artifacts and blur in challenging lighting conditions. The 8MP X Series model ensures the best imaging in the most challenging conditions 24/7 – without compromise.

New IR model

The FLEXIDOME 8100i brings a new split-design IR model to the portfolio, offering next-level Intelligent IR removing glare and reflection, for an overall high-quality image. AI-based algorithms control the intensity of the 4 individual LEDs, including switching them on and off for the best illumination tailored to the scene. In manual mode, the user can control LED intensity, tailoring each for the scene, avoiding washed-out images even when the camera is installed near a reflective surface.

Simple installation

A motorized pan-tilt-roll-zoom (PTRZ) concept saves up to 75% of installation and commissioning time compared to non-PTRZ cameras. The PTRZ allows operators to adjust the camera's field of view remotely without physically accessing the installation area, eliminating the need for additional site visits.

AI-powered Autocalibration

Scene calibration is critical for reliable security alerts, and it does not need to be difficult. Our AI-based Autocalibration eliminates human error, saves time on site, and lowers costs in complex applications. For a simple and reliable camera setup process, IVA Pro Perimeter and Traffic include person- and vehicle-based Autocalibration.



Ordering information

FLEXIDOME 8100i - X series

Order number	Ordering information
NDE-8702-RX	Fixed dome 2MP HDR X 4.4-10mm PTRZ, IP67 , Fixed dome camera 2 MP with starlight X, HDR X, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 4.4-10 mm lens
NDE-8702-RXT	Fixed dome 2MP HDR X 12-38mm, PTRZ IP67 , Fixed dome camera 2 MP with starlight X, HDR X, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 12-38 mm lens
NDE-8703-RX	Fixed dome 4MP HDR X 4.4-10mm PTRZ, IP67 , Fixed dome camera 4 MP with starlight X, HDR X, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 4.4-10 mm lens
NDE-8703-RXT	Fixed dome 4MP HDR X 12-38mm, PTRZ IP67 , Fixed dome camera 4 MP with starlight X, HDR X, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 12-38 mm lens
NDE-8704-RX	Fixed dome 8MP HDR X 5.9-13mm PTRZ, IP67 , Fixed dome camera 8 MP with starlight X, HDR X, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 5.9-13 mm lens

FLEXIDOME 8100i

Order number	Ordering information
NDE-8703-R	Fixed dome 6MP HDR 3.9-10mm PTRZ, IP67 , Fixed dome camera 6 MP with starlight, HDR, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 3.9-10 mm lens
NDE-8703-RT	Fixed dome 6MP HDR 12-38mm PTRZ, IP67 , Fixed dome camera 6 MP with starlight, HDR, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 12-38 mm lens
NDE-8704-R	Fixed dome 8MP HDR 3.9-10mm PTRZ, IP67 , Fixed dome camera 8 MP with starlight, HDR, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 3.9-10 mm lens
NDE-8704-RT	Fixed dome 8MP HDR 12-38mm PTRZ, IP67 , Fixed dome camera 8 MP with starlight, HDR, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 12-38 mm lens

FLEXIDOME 8100i IR- X series

Order number	Ordering information
NDE-8702-RXL	Dome 2MP HDR X 4.4-10mm PTRZ IP66, IR , Fixed dome camera 2 MP with starlight X, HDR X, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 4.4-10 mm lens, IR
NDE-8703-RXL	Dome 4MP HDR X 4.4-10mm PTRZ IP67, IR , Fixed dome camera 4 MP with starlight X, HDR X, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 4.4-10 mm lens, IR
NDE-8704-RXL	Dome 8MP HDR X 5.9-13mm PTRZ IP67, IR , Fixed dome camera 8 MP with starlight X, HDR X, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 5.9-13 mm lens

FLEXIDOME 8100i IR

Order number	Ordering information
NDE-8703-RL	Dome 6MP HDR 3.9-10mm PTRZ, IP67, IR , Fixed dome camera 6 MP with starlight, HDR, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 3.9-10 mm lens, IR
NDE-8704-RL	Dome 8MP HDR 3.9-10mm PTRZ, IP67, IR , Fixed dome camera 8 MP with starlight, HDR, IVA Pro Buildings, IVA Pro Perimeter, IP66/IP67, IK11, H.264/H.265, 3.9-10 mm lens, IR