

Video Systems Fact Sheet

X-factor technology explained with starlight X and HDR X

Image quality is vital when you need to see the details from fast-moving objects in challenging lighting conditions. At the same time, an increasing percentage of noise and blur may occur, leading to a loss of detail that may obscure the desired information.

You get more out of your video security system when your cameras catch the details. Next-level starlight X and HDR X technologies take image quality and resolution further, enabling cameras to deliver improved security and situational awareness around the clock.

Excellent imaging with starlight X

Long considered the gold standard in low-light video performance, Bosch starlight technology enables its cameras to capture color detail even when light levels drop. The new starlight X technology with next-level light sensitivity technology delivers clear and relevant images regardless of lighting conditions, time of day, or object movement. What's more, starlight X technology:

- Combines large pixel high performance sensors, and custom optics with advanced image processing and noise suppression algorithms to enhance sensitivity significantly over regular starlight cameras
- Provides more detail due to lower noise and reduced motion blur due to faster shutter speeds.
- Enhanced color reproduction at low light and next level monochrome sensitivity offer improved performance in extreme low-light scenes



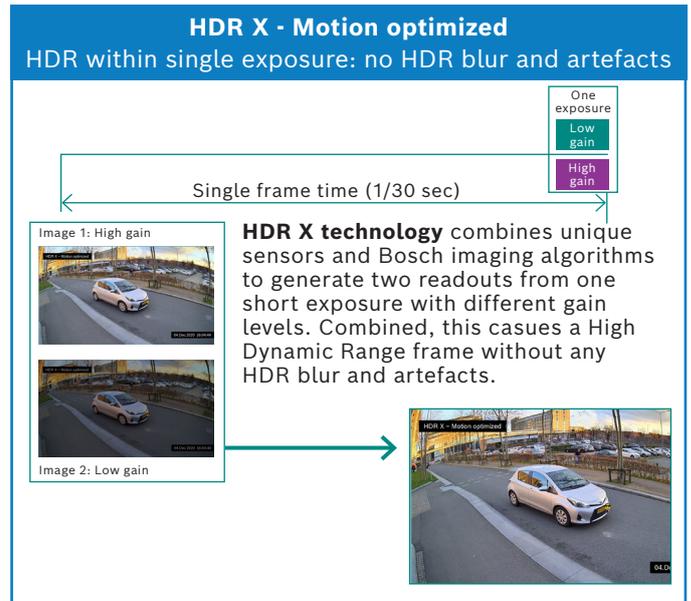
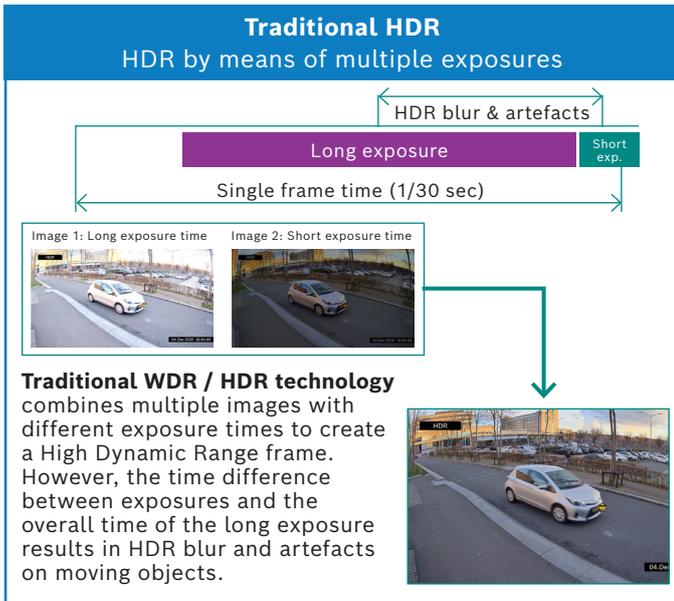
[1] Low light comparison of starlight to starlight X in 1080p resolution

[2] Low light comparison of another brand to starlight X in 4-megapixel (4MP) resolution



Sensitivity comparisons of starlight to starlight X, brand A and brand B in 4MP resolution

Motion-optimized HDR X for improved detail



HDR X eliminates motion blur and artefacts in scenes with challenging lighting and fast-moving objects

- Motion optimized images without HDR blur and motion artefacts
- Provides HDR imaging at lower light levels where traditional HDR technologies are non-functional
- A high Dynamic Range of up to 144dB in HDR X Extreme DR mode

Our X series portfolio

FLEXIDOME IP starlight 8000i X series: Highest level of detail for mission-critical applications



The award-winning, FLEXIDOME IP starlight 8000i X series cameras offer exceptional image quality, robust housing, and built-in AI to deliver the highest level of detail required for mission critical applications such as perimeter security of airports, parking lots, critical infrastructures, government buildings, border patrol, ship tracking, and monitoring traffic.

FLEXIDOME IP indoor 8000i X series: The right fit for indoor high-security applications



The FLEXIDOME IP 8000i portfolio is already known for its remote commissioning and reducing set-up time by up to 75 percent. The new indoor line-up further simplifies installation with a unique timesaving, two-step concept that any installer can do. These cameras are ideal for indoor use in warehouses, shopping malls, casinos, airports, and train stations.

Bosch Security and Safety Systems

Protecting lives, buildings and assets is our aim. Our product portfolio includes video security, intrusion detection, fire detection and voice evacuation systems as well as access control and management systems. Professional audio and conference systems for communications of voice, sound and music complete the range.