FLEXIDOME panoramic 5100i (IR)

BOSCH
Invented for life

FLEXIDOME panoramic 5100i (IR)
A 360-degree overview in a single image, without blind spots

The new FLEXIDOME panoramic 5100i cameras combine built-in Artificial Intelligence with a 360-degree overview in a single image without blind spots.

They are prepared for Audio Analytics with a built-in microphone array that captures audio from any direction.

A portfolio overview

NEW

**FLEXIDOME
panoramic 5100i**

6MP | 12MP

NEW

**FLEXIDOME
panoramic 5100i IR**

6MP | 12MP

FLEXIDOME panoramic 5100i (IR)
Why choose Bosch panoramic cameras?

Predictive

- Built-in AI
  - Intelligent Video Analytics
  - Camera Trainer
- Prepared for Audio Analytics
  - Recognizes and detects unique audio signatures
  - Locates approximate direction of an audio event source

Sustainable

- Compact size
- Ease of installation
- Remote maintenance and firmware updates with Remote Portal

Trusted

- 360-degree coverage without blind spots
  - Offering 6/12MP resolution (30fps)
  - HDR imaging
- Integrated IR (up to 20m / 66ft) for images in low light scenes
- Prepared for the future with a new platform (CPP.14)

FLEXIDOME panoramic 5100i (IR)
Ideal applications

Education
▸ Entrances / lockers / stairways

Retail
▸ Cashiers / storage rooms / aisles
▸ Entrances / parking lots

Airports
▸ Border control / entrances / waiting areas / check-in desks

Commercial / casinos
▸ Waiting areas / clerk counters / vaults

FLEXIDOME panoramic 5100i (IR)
Evaluate a complete scene with Intelligent Insights

Detection and monitoring of build-up of people or objects

Early information about highly occupied areas to quickly initiate security measures

Accurate counting of people or objects

Early indication of unusual increase of people crossing a certain line such as entrances

Area fill level traffic light

Support of new regulatory requirements regarding social distancing

FLEXIDOME panoramic 5100i (IR)
Prepared for Audio Analytics (planned for end 2021)

Integrated microphone array prepared for Audio Analytics

▶ 3 built-in digital Micro Electro-Mechanical System (MEMS) microphones

Understand semantics of audio data with Audio Analytics

▶ Audio events classification:
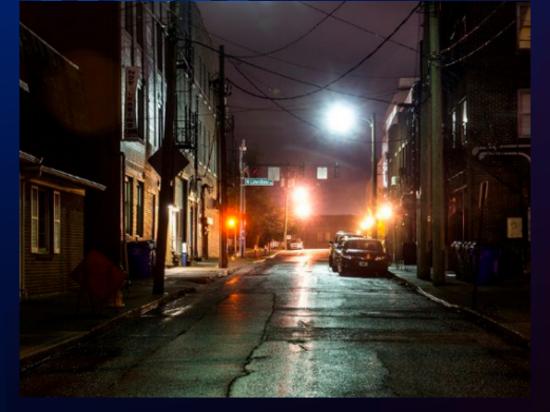 ▶ glass breaking
  ▶ gunshot detection
▶ Audio localization

Support informed decisions with video management software

▶ Alarm functionality

FLEXIDOME panoramic 5100i (IR)
High quality imaging

6MP **12MP**

**High resolution
360- degree overview**

▶ Capture every detail
▶ No blind spots

))

**Available with Infrared
Illumination** (20m / 66ft)

▶ Clear images in
low light scenes

120dB

High Dynamic Range

▶ Perfect exposure in
unevenly lit scenes

fps

Smooth images with 30fps

FLEXIDOME panoramic 5100i (IR)
Data security

Our security promise

1 Secured connections supported

2 Password enforcement at setup

3 Unsecure ports disabled

4 Unsecure remote communication disabled

5 Protection against execution of untrusted and malicious code

6 Firmware updates only possible via Bosch signed firmware files

7 Embedded Login Firewall. Prevention of Denial of Service (DoS) attacks

8 Software sealing to detect configuration changes

9 Built-in Secure Element with TPM functionality. Supports RSA encryption key lengths of up to 4096 bits, ensuring data safety beyond 2030

FLEXIDOME panoramic 5100i (IR)

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FLEXIDOME panoramic 5100i

FLEXIDOME panoramic 5100i IR

Specifications

FLEXIDOME panoramic 5100i	Lens	fps	Audio I/O, Alarm I/O	IR	🏠→	←🏠	🌡
NDS-5703-F360	6MP (2110x2110)	30fps			●		-10 to 45ºC (-14 to 113ºF)
NDS-5704-F360	12MP (3008x3008)	30fps			●		-10 to 45ºC (-14 to 113ºF)
NDS-5703-F360LE FLEXIDOME panoramic 5100i IR	6MP (2110x2110)	30fps	●	20m / 66ft	●	●	-10 to 55ºC (-14 to 131ºF)
NDS-5704-F360LE	12MP (3008x3008)	30fps	●	20m / 66ft	●	●	-10 to 55ºC (-14 to 131ºF)

Installation made simple

Click & Twist for indoor models

Mounting and cabling in three easy stes for outdoor models

Unified set of accessories

HDMI

• **Ease of installation** • **Data security** • **Bitrate reduction ≤80%**

Built-in Artificial Intelligence
with Intelligent Video Analytics and Camera Trainer and prepared for Audio Analytics

Video Analytics extremely reliable in various environments
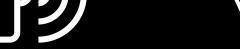
Camera Trainer functionality

Integrated microphone array for Audio Analytics

Outdoor models have

IR illumination

High impacts

Withstands challenging weather conditions

Excellent imaging

Stereographic lens

120 dB

BOSCH
Invented for life

Sales tools

VISIT
Video product selector

VISIT
Video Analytics and Lens Calculator

VISIT
BIM (Building Information Modelling) files

DOWNLOAD
Video product overview

DOWNLOAD
Video accessory quick selection

DOWNLOAD
Video analytics example tool

DOWNLOAD
Bosch IP Video System Design Tool