AUTODOME 7100i (IR)

BOSCH

Next generation cameras for professional security

Specifications

		fps	starlight	12x	40x	'[&]	IR	simplified installation	retrofit accessories
AUTODOME 7100i									
2MP HD		60 fps	●		●	Electronic		●	●
AUTODOME 7100i IR									
2MP HD		60 fps	●		●	Electronic	300 m	●	●
8MP		30 fps		●		Optical	200 m	●	●

AUTODOME 7100i (IR)

A completely new, reliable and robust ball form factor, including a closed loop design to never lose position

Intelligent Video Analytics Pro (IVA Pro)

Optional licenses for traffic monitoring and tracking

| **Built-in Artificial Intelligence (AI) delivered as standard on the camera**

IVA Pro Traffic

Distinguish and classify people and vehicle subclasses

Enhanced scene understanding with object location and speed

IVA Pro Intelligent Tracking

Highly robust and reliable tracking of objects in crowded or traffic scenes

IVA Pro Buildings

12

Accurate detection and classification

Reliable alerts, outdoors

Plug-and-play (no calibration needed)

IVA Pro Perimeter

Highly reliable long-distance intrusion detection, significantly reducing the total cost of ownership (TCO)

• **Secure by design**

Invented for life

AUTODOME 7100i (IR) cameras

are enabled with IVA Pro, based on deep learning and have a new, reliable and robust design.
Combined with high-quality imaging, they are the right fit for high level security applications.

Intelligent traffic and crowd monitoring

City surveillance. Intelligent Transportation Solutions.

IVA Pro Traffic and IVA Pro Intelligent Tracking (available via license) ensure you have reliable, precise long-distance detection and comprehensive data capture in congested traffic scenes.
- Accurately classify types of vehicles (and people)
- Minimize unwanted alarms
- Reliable and robust autotracking

This helps to understand traffic flow, e.g. knowing what peak times are which could lead to more unsafe situations. Or knowing how many people are in a certain area at any given time and how people move and where they congregate.

So you can use real-time data to understand the flow of movement, plan for periods of peak occupancy, and take immediate action to resolve busy traffic situations to manage it more effectively and increase safety.

Perimeter protection

Airports. Governmental buildings.

The IVA Pro Perimeter (built-in as standard) is ideal for the use of perimeter security.
- It offers early detection in challenging outdoor scenes
- It can even detect crawling and rolling

Thanks to high resolution imaging (up to 4K ultra HD) combined with starlight, 30 fps, High Dynamic Range and 12x / 40x zoom, you can see details with excellent clarity to identify objects of interest and maintain situational awareness. Or for visual verification in real-time or forensic search. The new, robust ball design eliminates optical distortion when looking above the horizon and also has an integrated closed loop design which ensures homing position is never lost. So you can rest assured that you have the highest levels of security for your assets.

IP Video
Moving Cameras

			AUTODOME 7100i 2MP	AUTODOME 7100i IR 2MP	AUTODOME 7100i IR 8MP

■ Available − Not available
▶ = indication of main differentiator(s)

Commercial Type Number			NDP-7602-Z40	NDP-7602-Z40L	NDP-7604-Z12L
Bitrate management	Intelligent Dynamic Noise Reduction		■	■	■
	Intelligent streaming		–	–	–
	Compression (H.265 / H.264 & MJPEG) / multi-streaming		■/■/4 streams	■/■/4 streams	■/■/4 streams
Basic features	Maximum resolution	▶	HD 1080p	HD 1080p	4K UHD
	Image sensor type	▶	1/2.8"	1/2.8"	1"
	Max. frames per second (fps)	▶	60	60	30
	Indoor / outdoor		■/■	■/■	■/■
	Day / night		■	■	■
	Wide Dynamic Range (WDR)	▶	120dB	120dB	62dB
	ONVIF conformant		■	■	■
Advanced features	Intelligent Auto Exposure / Intelligent Defog		■/■	■/■	■/■
	Privacy masking		■	■	■
	Nbr of presets/guard tours		256/2	256/2	256/2
	Wiper		–	–	–
	Intelligent tracking		■	■	■
Analytics	Tamper detection / Video motion detection		■/■	■/■	■/■
	Intelligent Video Analytics Pro Buildings		■	■	■
	Intelligent Video Analytics Pro Perimeter (including standard Intelligent Tracking)		■	■	■
	Intelligent Video Analytics Pro Traffic		Optional (with license)	Optional (with license)	Optional (with license)
	Intelligent Video Analytics Pro Intelligent Tracking		Optional (with license)	Optional (with license)	Optional (with license)
Sensitivity	Minimum illumination day mode (color)	▶	0.0075 lux	0.0075 lux	0.292 lux
	Minimum illumination night mode (black / white)	▶	0.0011 lux	0.0011 lux	0 lux (IR on)
	Night vision	▶	■ (starlight)	■ (starlight / IR)	■ IR
	Max. range IR at night	▶	–	300 m / 984 ft	200 m / 656 ft
Lens	Focal length	▶	4.25 - 170 mm	4.25 - 170 mm	9.3 - 111.6 mm
	Horizontal Angle of View (HAoV)	▶	1.9° to 66.35°	1.9° to 66.35°	6.1° to 64.6°
	PTZ Zoom optical/digital	▶	40x/32x	40x/32x	12x/12x
	Tilt angle		-90° to +20°	-90° to +20°	-90° to +20°
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances according to EN-IEC 62676-4 standard)	▶	wide 59-194/23-75/12-39/6-20 tele 2316-7598/926-3038/ 463-1519/232-761	wide 59-194/23-75/12-39/6-20 tele 2316-7598/926-3038/ 463-1519/232-761	wide 121-397/49-161/24-79/12-39 tele 1441-4728//577-1893/288-945/144-472
Storage	Industrial SD card support with health monitoring		■	■	■
	Cloud application storage		Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting
Connections	Alarm input / output		2/1	2/1	2/1
	Audio in / out		■/■	■/■	■/■
	Hybrid / public view monitor		–/–	–/–	–/–
Housing	Weather rating		IP66	IP66	IP66
	Vandal resistant		IK10	IK10	IK10
	Operating temperature	▶	−40° to +60° C (-40° to +140° F)	−40° to +55° C (-40° to +122° F)	−40° to +55° C (-40° to +122° F)
Power input voltage	Power over Ethernet / 12Vdc / 36Vdc / 24Vac		■/–/■/■	■/–/■/■	■/–/■/■

Why Bosch AUTODOME 7100i (IR)

Locate, track and zoom
in high-level security applications

Application-specific artificial intelligence (AI)

Built-in IVA PRO
- Tailored to specific customer needs
- Highest reliability in customer-specific applications
- Rich contextual data in busy scenes
- No 'one size fits all'
- Pay for what you need

Predictive

Sustainable

- Remote commissioning with the Project Assistant software

- Remote configuration setting changes, health monitoring, and firmware updates with Remote Portal

Sustainable

Trusted

- High-quality imaging (starlight, HDR, resolution up to 4K UHD, built-in smart IR, 12x / 40x zoom, electronic and optical image stabilization)

- New, robust ball design:
  - Eliminating optical distortion with 20 degree above horizon viewing
  - Closed loop gear train, ensuring homing position is never lost

- End-to-end data security approach

- Direct fiber connectivity

- Easy to install (patented one-hand installation concept)

Trusted

Invented for life

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