

# 3100i IR fixed camera series



## Intelligent video security without compromise

The 3100i camera family is a versatile camera range to handle everyday surveillance for government, education, retail, and airports without compromise. All models are equipped with Intelligent Video Analytics Pro (IVA Pro) Buildings based on deep learning for high object detection accuracy. Like all Bosch cameras, the 3100i family includes a built-in Secure Element with a Trusted Platform Module (TPM) to ensure the highest level of data security. The environmental dome and bullet cameras are impact and weather-resistant with IK10 and IP66 ratings.



### Specifications



FLEXIDOME micro 3100i						
→ Indoor (2MP/5MP)	2.5 mm 3.2 mm 6 mm	30 fps	●	●		
← Outdoor (2MP/5MP)	2.5 mm 3.2 mm 6 mm	30 fps	●	●	●	●
FLEXIDOME 3100i						
→ Indoor (2MP/5MP)	3.3 - 10.2 mm	30 fps	●	●		
FLEXIDOME 3100i IR						
→ Indoor (2MP/5MP)	3.3 - 10.2 mm	30 fps	●	●		30 m (98 ft)
← Outdoor (2MP/5MP)	3.3 - 10.2 mm	30 fps	●	●	●	30 m (98 ft)
DINION 3100i IR						
← Outdoor (2MP/5MP)	3.3 - 10.2 mm	30 fps	●	●	●	30 m (98 ft)

### Built-in intelligence with deep learning



Advanced intrusion detection in and around buildings



Alarm rules such as line crossing, loitering, and object detection



Accurate detection and counting of static or moving people and vehicles



Live alarming and forensic search



Plug-and-play (no calibration needed)

### Secure



Highest level of data security with built-in Secure Element

### Durable housing (outdoor models)



Vandal-proof IK10



Weather-resistant IP66

Invented for life

# IP Video

## Dome Cameras

► FLEXIDOME micro 3100i indoor

► FLEXIDOME micro 3100i outdoor



■ Available – Not available  
► = indication of main differentiator(s)

Commercial Type Number		NUV-3702-Fxx	NUV-3703-Fxx	NUE-3702-Fxx	NUE-3703-Fxx
Bitrate management	Intelligent streaming	■	■	■	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/3 streams	■/■/3 streams	■/■/3 streams	■/■/3 streams
Basic features	Maximum resolution	► HD 1080p	5MP	HD 1080p	5MP
	Image sensor type	► 1/2.8" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.7" CMOS
	Max. frames per second (fps)	30	30	30	30
	Indoor / outdoor	► ■/-	■/-	-/■	-/■
	Day / night	■	■	■	■
	Wide Dynamic Range (WDR)	120dB	120dB	120dB	120dB
	ONVIF conformant	■	■	■	■
	Built-in microphone	-	-	-	-
Advanced features	Intelligent Auto Exposure / Intelligent Defog	-/■	-/■	-/■	-/■
	Privacy masking	■	■	■	■
	Upright video mode	■	■	■	■
Analytics	Tamper detection / Video motion detection	■/■	■/■	■/■	■/■
	IVA Pro Buildings	■	■	■	■
	Audio detection	-	-	-	-
Sensitivity	Minimum illumination day mode (color)	0.1 lux	0.15 lux	0.1 lux	0.15 lux
	Minimum illumination night mode (black / white)	-	-	-	-
	Night vision	-	-	-	-
	Max. range at night	-	-	-	-
Lens	Focal length	F02: 2.5 mm F04: 3.2 mm F06: 6 mm	F02: 2.5 mm F04: 3.2 mm F06: 6 mm	F02: 2.5 mm F04: 3.2 mm F06: 6 mm	F02: 2.5 mm F04: 3.2 mm F06: 6 mm
	Horizontal Angle of View (HAoV)	► F02: 137° F04: 106° F06: 58°	F02: 131° F04: 101° F06: 56°	F02: 137° F04: 106° F06: 58°	F02: 131° F04: 101° F06: 56°
DORI distances	► Detect / Observe / Recognize / Identify (Distances in according to EN-IEC 62676-4 standard)	F02: 15 / 6 / 3 / 2 F04: 29 / 11 / 6 / 3 F06: 69 / 27 / 14 / 7	F02: 24 / 9 / 5 / 2 F04: 43 / 17 / 9 / 4 F06: 97 / 39 / 19 / 10	F02: 15 / 6 / 3 / 2 F04: 29 / 11 / 6 / 3 F06: 69 / 27 / 14 / 7	F02: 24 / 9 / 5 / 2 F04: 43 / 17 / 9 / 4 F06: 97 / 39 / 19 / 10
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	Auto or Alarm JPEG Posting, Video clips or JPEG Exporting
Connections	Alarm input / output	-	-	-	-
	Audio in / out	-	-	-	-
	HDMI output / public view monitor	■ (F04H) / ■	■ (F02H) / ■	-/■	-/■
Housing	Weather rating	-	-	IP66	IP66
	Vandal resistant	► IK08	IK08	IK10	IK10
	Operating temperature	► 0 to 40° C (+32 to +104° F)	0 to 40° C (+32 to +104° F)	-30 to 50° C (-22 to +122° F)	-30 to 50° C (-22 to +122° F)
Power input voltage	Power over Ethernet / 12V / 24V	■/-/-	■/-/-	■/-/-	■/-/-



# IP Video

## Fixed Cameras

### ►DINION 3100i IR



■ Available – Not available  
 ► = indication of main differentiator(s)

Commercial Type Number		NBE-3702-AL	NBE-3703-AL
Bitrate management	Intelligent streaming	■	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/3 streams	■/■/3 streams
Basic features	Maximum resolution ►	HD 1080p	5MP
	Image sensor type ►	1/2.8" CMOS	1/2.7" CMOS
	Max. frames per second (fps)	30	30
	Outdoor	■	■
	Day / night	■	■
	Wide Dynamic Range (WDR)	120dB	120dB
	ONVIF conformant	■	■
	Built-in microphone	–	–
Advanced features	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■
	Privacy masking	■	■
	Upright video mode	■	■
Analytics	Tamper detection / Video motion detection	■/■	■/■
	IVA Pro Buildings	■	■
	IVA Pro Traffic	–	–
Sensitivity	Minimum illumination day mode (color) ►	0.06 lux	0.14 lux
	Minimum illumination night mode (black / white) ►	0.016 lux / 0 lux with IR	0.03 lux / 0 lux with IR
	Night vision	IR (Infrared)	IR (Infrared)
	Max. range at night (IR range)	30 m	30 m
Lens	Automatic varifocal	■ (DC-iris)	■ (DC-iris)
	Focal length	3.3- 10.2 mm	3.3 - 10.2 mm
	Horizontal Angle of View (HAoV) ►	106° - 31°	101° - 30°
DORI distances	Detect / Observe / Recognize / Identify (Distances in according to EN-IEC 62676-4 standard) ►	29-138/ 12-55 / 6-28 / 3-14	42-193/ 17-77/ 9-39 / 4-19
Storage	Industrial SD card support with health monitoring	■ 1 slot	■ 1 slot
	Cloud application storage	Auto or Alarm JPEG Posting, Video clips or JPEG Exporting	Auto or Alarm JPEG Posting, Video clips or JPEG Exporting
Housing	Weather rating	IP66	IP66
	Vandal resistant	IK10	IK10
	Operating temperature	-30 to 50° C (-22 to +122° F)	-30 to 50° C (-22 to +122° F)
Power input voltage	Power over Ethernet / 12V / 24V	■/–/–	■/–/–