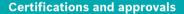


# NDP-7602-Z30K PTZ 2MP 30x starlight IK10 pendant

## **AUTODOME inteox 7000i**





For a full list of all related certifications/standards, refer to the Product Tests Report, available on the online catalog, on the Documents tab of the product page for your device. If the document is unavailable on the product page, contact your sales representative.

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Electromagnetic compatibility (EMC)	FCC Part 15, ICES-003 EN 55024:2010 + A1:2015 EN 55032:2015/AC:2016
Product Safety	Complies with UL, CE, CSA, EN, and IEC standards including: UL 62368-1 EN 62368-1 EN 60950-1 CAN/CSA-C22.2 No. 62368-1-14 IEC 62368-1 Ed.2 IEC 60950-1 Ed.2 IEC 60950-22 Ed.2
Marks	UL, CE, WEEE, RCM, EAC, VCCI, FCC, RoHS



**Effective Picture** 

Elements (Pixels)

Field of View (FOV)

Lens











- ▶ Open platform that allows third-party apps from the Application store from Security & Safety Things
- ➤ Starlight technology with excellent low-light performance and High dynamic range of 120 dB to see detail in difficult light conditions
- ► Flexible streaming capabilities powering three independent streams
- ► Built-in Intelligent Video Analytics alert operators in case of unusual scene activity
- ► Exceptional reliability with 3-year warranty (including on moving parts)

Region	Regulatory compliance/quality marks		
Europe	CE	Declaration of Conformity (DoC) - AUTODOME IP starlight 7000i	

Parts included		
Quantity	Component	
1	AUTODOME inteox 7000i pendant camera	
1	Safety instructions	
1	Quick Installation Guide	
Technical specifications		
Imager	1/2.8 in. CMOS sensor	

1944 x 1212 (2.35 MP)

30x motorized Zoom 4.3 mm to 129 mm F1.6 to F4.7

2.3° to 64.7°

Focus	Aut	omatic with	n manual overri	de
Iris	Automatic with manual override			
Digital Zoom	12x			
Day/Night switch	Automatic IR cut filter			
Video performance - So	ensiti	ivity		
(3100K, reflectivity 89%	%, 1/3	30, F1.6, 3	0 IRE)	
Color	0.0	077 lx		
Monochrome	0.0	0.0008 lx		
Video performance - D	ynam	ic range		
High dynamic range	120	dB WDR		
Measured according to IEC 62676 Part 5	100 dB WDR			
Common Product Platfo	rm	CPP13		
DORI			Distance to o	bject
	WID	E 1X	TELE 30X	Scene width
Detection 25 px/m (8 px/ft)	61 m (200 ft)		1913 m (6276 ft)	77 m (252 t)
Observation 63 px/m (19 px/ft)	24 m (79 ft)		765 m (2510 ft)	31 m (100 ft)
Recognition 125 px/m (38 px/ft)	12 m (39 ft)		383 m (1255 ft)	15 m (50 ft)
Identification 250 px/m (76 px/ft)	6 m (20 ft)		191 m (628 ft)	8 m (25 ft)
Modes for viewing the video area of preposition settings	Automatic exposure, either full-screen or defin to a specific area Focus			
Gain control		AGC, Fixed, Region per pre-position		
Aperture Correction		Horizontal and vertical		
Electronic Shutter Speed (AES)		1/1 sec to 1/30,000 sec (22 steps)		
Signal-to-Noise Ratio (SNR)		>55 dB		
Backlight compensation (BLC)		On / Off /	Intelligent Auto	Exposure (IAE)

White balance		2000 K to 10,000 K ATW, AWB Hold, Extended ATW, Manual, Sodium Lamp Auto, Sodium Lamp, indoor, outdoor		
Day/Night		Monochrome, Color, Auto		
Defog mode feature		Improves visibility when viewing foggy or other low-contrast scenes.		
Noise Reduction		Intelligent Dynamic Noise Reduction		
Sectors		9, 12, or 16 user-selectable, independent , each with 20 characters per Title		
Privacy Masks	32 individually configurable Privacy Masks; maximum 8 per Pre-position; programmable with 3, 4 or 5 corners; select your own color from the color palette. With the "Auto" option, the camera selects the most prevalent of the three colors in the background scene as the pattern color.  With the "Mosaic" option, the movements behind a Privacy Mask will remain visible.			
Virtual Masks	24 individually configurable Virtual Masks to hide parts of the scene (background motion such as moving trees, pulsating lights, busy roads, etc.)			
Pre-positions	256 Pre-positions, each with 20 characters per Title			
Guard Tours	Custom Recorded Tours - two (2), total duration 30 minutes:  Pre-position tour - one (1), consisting of up to 256 scenes consecutively, and one (1) customized with up to 256 user-defined scenes			
Supported Languages	English, Czech, Dutch, French, German, Italian, Polish, Portuguese, Russian, Spanish, Japanese, Chinese			
Alarm control	Rules-based logic supports basic and complex pre- defined user-specified commands In its most basic form, a "rule" could define which input(s) should activate which output(s).			
Camera status monitoring	Integrated sensors monitor operational status such as internal temperature, humidity level, incoming voltage level, vibration, and shock events.			
Diagnostics	Various status conditions are tracked in the internal diagnostic log. Critical fault conditions will also be displayed on screen.			
Video conten	t analy:	sis		
Analysis type	Intelligent	Video Analytics		

Configurations	Off / Global VCA / Profiles 1 - 16		
Calibration	Automatic self-calibrating when height is set		
Alarm rules (combinable)	Any object, Object in field, Crossing line, Entering field, Leaving field, Loitering, Following route, Idle object, Removed object, Counter, Occupancy, Crowd detection, Condition change, Similarity search, Tampering		
Object filters	Duration, Size, Aspect ratio v/h, Speed, Direction, Object classes (Upright persons, Bikes, Cars, Trucks), Color		
Standard/Video compression		H.265, H.264 (ISO/IEC 14496), M-JPEG, JPEG	
Streaming		3 fully configurable streams, with the option to activate or deactivate VCA overlays on each stream	
Protocols	IC D (\$ s <sub>(</sub>	Pv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/RTCP, GMP V2/V3, ICMP, ICMPv6, RTSP, FTP, ARP, HCP, APIPA (Auto-IP, link local address), NTP GNTP), DNS, DNSv6, DDNS (DynDNS.org, elfHOST.de, noip.com), SMTP, iSCSI, UPnP GSDP), DiffServ (QoS), LLDP, SOAP, Dropbox™, HAP, digest authentication	
Ethernet		100BASE-TX, auto-sensing, full duplex/auto negotiation, Auto-MDI-X	
Encryption		TLS1.0/1.2, AES128, AES256	
Ethernet connector		RJ45	
GOP structure		IP, IBP, IBBP	
Overall IP Delay		30 fps: 233 ms (typical)	
Interoperability		ONVIF Profile S, ONVIF Profile G, ONVIF Profile T	
Resolution (H x V	)	Pixels	
1080p HD		1920 x 1080	
720p HD		1280 x 720	
432p SD		768 x 432	
		512 x 288	

FPS	H	.264	H.265	
30	2	470	2060	
25	2	410	1810	
15	1	690	1260	
8	1	090	820	
4	(	670	500	
2	2	120	310	
1	,	260	190	
			ng on the scene, rofile settings.	
Note:		upplied full SD card (maximum 2 TB) For this camera, Bosch does not recommend e of microSD cards or of microSD to SD ers.		
Recording		nuous recording s/schedule reco	g of video and audio, alarm/ ording	
Pan Range		360° cont.		
Tilt Angle		18° above horizon		
Pre-position Speed		Pan: 400°/s Tilt: 300°/s		
Pan/Tilt Modes				
Turbo Mode     (Manual Control)		Pan: 0.1°/s - 400°/s Tilt: 0.1°/s - 300°/s		
Normal Mode		0.1°/s-120°/s		
Pre-position Accuracy		± 0.1° typ.		
Input voltage	60 W requii 30 W	24 VAC 60 W (using the midspan accessory NPD-6001B, required to power the heater) 30 W (IEEE 802.3at, class 4 standard, when used without powering the heater)		
Power Consump (typical), with heaters	otion 51.0	51.0 W / 54.0 VA		
Power Consump (typical)		ion 19.2 W / 33.6 VA (heaters off / without heater connected in 24 V power supply box)		
Current consumption, 2	rent ~2.25A sumption, 24 VAC			

Current consumption, 60 W	~0.91A		
Redundant configuration	Connect a 30 W or a 60 W midspan <sup>1</sup> and a separate 24 VAC power source. If either power source fails, the camera switches automatically to the other power source.		
Surge suppression	Built-in surge suppression for power, data, and network interfaces (Refer to the A&E Specifications for details.)		
Power, Network	RJ45 100Base-T		
Power, Camera	24VAC, 50/60Hz		
Alarm Inputs (7)	2 supervised, 5 non-supervised		
Alarm Outputs (4)	1 dry contact relay, 3 open collector/transistor outputs Programmable for "normally open" or "normally closed" 32 VDC @ 150 mA maximum		
Audio	1 x mono line in, 1 x mono line out Signal line in: 20 kOhm typical, 0.707 Vrms Signal line out: 0.707 Vrms at 16 Ohm, typical		
Ingress Protection Rating/Standard	IP66, NEMA 4X <sup>3</sup>		
Operating temperatur (with heater wired)	-40 to +55 °C (-40 to +131 °F) -10 to +55 °C (+14 to +131 °F) (without heater wired) Maximum temperature: 74 °C (165 °F) in accordance with NEMA TS 2-2003 (R2008)		
Storage temperature	-40 to +60 °C (-40 to +140 °F)		
Operating Humidity	0% to 100% RH, condensing		
Vibration	IEC 60068-2-6 NEMA TS2 Section 2.2.8		
Shock	IEC 60068-2-27 NEMA TS2 Section 2.2.9		
Power Service Transients	NEMA TS2 Section 2.2.7.2		

Power Interruption	NEMA TS2 Section 2.2.10	
Salt Mist Spray (Corrosion Test)	IEC 60068-2-52	
External Mechanical Impact	IEC 60068-2-75: IK10 (only models ending in "K")	
	3. NEMA 4X for: -Access to Hazardous parts -Ingress of solid foreign objects (falling dirt, circulating dust, settling dust) -Ingress of water (dripping and light splashing, hose down and splashing)	

### -Corrosive agents

Meets requirements for NEMA 4X certification (only models ending in "-K"). Meets requirements for NEMA 4X, except impact test (only pendant models, non-IK10).

Dimensions	224 mm (8.8 in.) x 299.4 mm (11.8 in.)
Weight	3.2 kg (7 lb)
Bubble Size	153.1 mm diameter (6.03 in.)
Construction Material , Housing	Cast aluminum
Construction Material , Bubble	Nylon
Standard Color	White (RAL 9003)
Standard Finish	Powder coated, sand finish

## **Ordering information**

NDP-7602-Z30K PTZ 2MP 30x starlight IK10 pendant PTZ dome camera, 2MP, 30x, starlight imaging, H.265, IVA, open camera platform Outdoor pendant mount, IK10

Order number NDP-7602-Z30K | F.01U.381.162 F.01U.386.561

## **Services**

EWE-AD7IIP-IW 12mths full wrty ext AD 7x00i Series 12 months warranty extension Order number EWE-AD7IIP-IW | F.01U.382.507

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