

FLEXIDOME 8100i

Intelligent. Reliable. Effortless.



The new FLEXIDOME 8100i fixed dome camera with motorized pan-tilt-roll-zoom (PTRZ) builds on the success of its award-winning predecessor, pushing the boundaries of technology in image quality, edge-based intelligence, and ease of installation.



Specifications

FLEXIDOME 8100i (standard /IR) X Series							
2MP	1/1.8" Sensor	4.4 - 10 mm (W) 12 - 38 mm (T)	60 fps	starlight X	HDR X	50 m (IR)	●
4MP	1/1.8" Sensor	4.4 - 10 mm (W) 12 - 38 mm (T)	60 fps	starlight X	HDR X	50 m (IR)	●
8MP	1/1.2" sensor	5.9 - 13 mm (W)	30 fps	starlight X	HDR X	to be announced	●
FLEXIDOME 8100i (standard /IR)							
6MP	1/1.8" sensor	3.9 - 10 mm (W) 12 - 38 mm (T)	30 fps	starlight	HDR	30 m (IR)	●
8MP	1/1.8" sensor	3.9 - 10 mm (W) 12 - 38 mm (T)	30 fps	starlight	HDR	30 m (IR)	●

T= Tele lens model W= standard /wide lens model

Application-specific Artificial Intelligence (AI)

Included



IVA Pro
Perimeter¹

IVA Pro
Buildings



IVA Pro
Privacy

Supported



IVA Pro
Appearance



IVA Pro Visual
Gun Detection



IVA Pro Personal
Protective Equipment



IVA Pro
Traffic



IVA Pro
LPR^{2,3}



Intelligent Audio
Analytics:
Gunshot detector³

Robust housing



High impact
resistant
(IK11)



Corrosion, water
and dust-resistant
(IEC 60068-2-
52 1344h, IP67,
IP6K9k)



Withstands
temperatures
from -50° to
+60° C (-58°
to +140° F)

User-centered design



Easy and reliable
AI-powered
autocalibration for
video analytics³



Modify the field
of view without
touching the
camera



Effortless three-
step installation
and remote
commissioning⁴

1. New IVA Pro Perimeter layers multiple technologies (deep-learning, motion detection) to enhance detection while minimizing false alerts
2. License Plate, Vehicle Make Model, Dangerous Goods Signs, License Plate+Vehicle Make Model
3. IVA Pro LPR and Intelligent Audio Analytics: Gunshot Detector will be available with a future FW release

4. 20% time saved in scene calibration
5. 75% time saving compared with non PTRZ cameras

Invented for life

IP Video Dome Cameras

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

► FLEXIDOME 8100i



Commercial Type Number		NDE-8702-RX(T)	NDE-8702-RXL	NDE-8703-RX(T)	NDE-8703-RXL
Video Analytics (Pre-installed)	IVA Pro Buildings	■	■	■	■
	IVA Pro Perimeter (AI-enhanced)	■	■	■	■
	IVA Pro Privacy	■	■	■	■
Video Analytics available via license	IVA Pro Traffic	■	■	■	■
	IVA Pro Visual Gun Detection	■	■	■	■
	IVA Pro Appearance	■	■	■	■
	IVA Pro PPE	■	■	■	■
	IVA Pro LPR	■	■	■	■
	Intelligent Audio Analytics	■	■	■	■
	Intelligent streaming	■	■	■	■
Bitrate management	Compression (H.265 / H.264 & MJPEG)	■	■	■	■
	Multi streaming	4 streams	4 streams	4 streams	4 streams
Basic features	Maximum resolution ►	2MP	2MP	4MP	4MP
	Image sensor type	1/1.8"	1/1.8"	1/1.8"	1/1.8"
	Max. frames per second (fps)	60	60	60	60
	High Dynamic Range (HDR) ►	141 dB	120 dB	141 dB	120 dB
	ONVIF conformant	■	■	■	■
	Built-in microphone ►	–	■	–	■
Advanced features	Privacy masking	■	■	■	■
	Upright video mode	■	■	■	■
	Electronic Image Stabilization (EIS)	■	■	■	■
Sensitivity	Minimum illumination day mode (color) ►	0.009 / 0.0252	0.009	0.009 / 0.0252	0.009
	Minimum illumination night mode (black / white) ►	0.0007 / 0.0022	0.0007 / 0 (IR)	0.0007 / 0.0022	0.0007 / 0 (IR)
	Max. IR range ►	–	50 m	–	50 m
Lens	Automatic varifocal	■	■	■	■
	Focal length ►	4.4 - 10 mm / 12 - 38 mm	4.4 - 10 mm	4.4 - 10 mm / 12 - 38 mm	4.4 - 10 mm
	Horizontal Field of View (HFoV) ►	Wide: 110° - 48° / Tele: 56° - 27° Wide: 36.8° - 12.8° Tele: 20.3° - 7.3°	Wide: 110° - 48° Tele: 56° - 27°	Wide: 110° - 48° / Tele: 56° - 27° Wide: 36.8° - 12.8° Tele: 20.3° - 7.3°	Wide: 110° - 48° Tele: 56° - 27°
Storage	Industrial SD card support with health monitoring	Dual µSD	Dual µSD	Dual µSD	Dual µSD
Connections	Alarm input / output	■	■	■	■
	Audio in / out	■	■	■	■
	Hybrid / public view monitor	–	–	–	–
Housing	Weather rating	IP67	IP67	IP67	IP67
	Vandal resistant	IK11	IK11	IK11	IK11
	Operating temperature	-50° to +60° C (-58° to +140° F)	-50° to +60° C (-58° to +140° F)	-50° to +60° C (-58° to +140° F)	-50° to +60° C (-58° to +140° F)
Power input voltage	Power over Ethernet / 12V / 24V ►	PoE / 12V / 24V	PoE+ / 12V / 24V	PoE / 12V / 24V	PoE+ / 12V / 24V
Accessories	Modular mount compatible	■	■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	■	■	■	■
	Wireless	–	–	–	–

IP Video

Dome Cameras

■ Available – Not available

► = indication of main differentiator(s)

► FLEXIDOME 8100i



Commercial Type Number		NDE-8703-R(T)	NDE-8703-RL	NDE-8704-R(T)
Video Analytics (Pre-installed)	IVA Pro Buildings	■	■	■
	IVA Pro Perimeter (AI-enhanced)	■	■	■
	IVA Pro Privacy	■	■	■
Video Analytics available via license	IVA Pro Traffic	■	■	■
	IVA Pro Visual Gun Detection	■	■	■
	IVA Pro Appearance	■	■	■
	IVA Pro PPE	■	■	■
	IVA Pro LPR	■	■	■
	Intelligent Audio Analytics	■	■	■
	Intelligent streaming	■	■	■
Bitrate management	Compression (H.265 / H.264 & MJPEG)	■	■	■
	Multi streaming	4 streams	4 streams	4 streams
Basic features	Maximum resolution ►	6MP	6MP	8MP
	Image sensor type	1/1.8"	1/1.8"	1/1.8"
	Max. frames per second (fps)	30	30	30
	High Dynamic Range (HDR)	120 dB	120 dB	120 dB
	ONVIF conformant	■	■	■
	Built-in microphone ►	–	■	–
	Advanced features			
Sensitivity	Privacy masking	■	■	■
	Upright video mode	■	■	■
	Electronic Image Stabilization (EIS)	■	■	■
	Minimum illumination day mode (color) ►	0.036 / 0.0885	0.036	0.036 / 0.0885
Lens	Minimum illumination night mode (black / white) ►	0.0054 / 0.0083	0.0054 / 0 (IR)	0.0054 / 0.0083
	Max. IR range ►	–	30 m	–
	Automatic varifocal	■	■	■
Storage	Focal length ►	3.9 - 10 mm / 12 - 38 mm	3.9 - 10 mm	3.9 - 10 mm / 12 - 38 mm
	Horizontal Field of View (HFoV) ►	Wide: 117° - 44° / Tele: 62° - 24° Wide: 36° - 12.6° / Tele: 20° - 7.10°	Wide: 117° - 44° Tele: 62° - 24°	Wide: 117° - 62° / Tele: 44° - 24° Wide: 35.8° - 19.8° / Tele: 12.1° - 6.9°
	Industrial SD card support with health monitoring	Dual µSD	Dual µSD	Dual µSD
Connections	Alarm input / output	■	■	■
	Audio in / out	■	■	■
	Hybrid / public view monitor	–	–	–
Housing	Weather rating	IP67	IP67	IP67
	Vandal resistant	IK11	IK11	IK11
	Operating temperature	-50° to +60° C (-58° to +140° F)	-50° to +60° C (-58° to +140° F)	-50° to +60° C (-58° to +140° F)
Power input voltage	Power over Ethernet / 12V / 24V ►	PoE / 12V / 24V	PoE+ / 12V / 24V	PoE / 12V / 24V
Accessories	Modular mount compatible	■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	■	■	■
	Wireless	–	–	–

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Commercial Type Number		NDE-8704-RL	NDE-8704-RX	NDE-8704-RXL
Video Analytics (Pre-installed)	IVA Pro Buildings	■	■	■
	IVA Pro Perimeter (AI-enhanced)	■	■	■
	IVA Pro Privacy	■	■	■
Video Analytics available via license	IVA Pro Traffic	■	■	■
	IVA Pro Visual Gun Detection	■	■	■
	IVA Pro Appearance	■	■	■
	IVA Pro PPE	■	■	■
	IVA Pro LPR	■	■	■
	Intelligent Audio Analytics	■	■	■
	Intelligent streaming	■	■	■
Bitrate management	Compression (H.265 / H.264 & MJPEG)	■	■	■
	Multi streaming	4 streams	4 streams	4 streams
Basic features	Maximum resolution	8MP	8MP	8MP
	Image sensor type ►	1/1.8"	1/1.2"	1/1.2"
	Max. frames per second (fps)	30	30	30
	High Dynamic Range (HDR) ►	120 dB	128 dB	128 dB
	ONVIF conformant	■	■	■
	Built-in microphone ►	■	–	■
	Advanced features			
Sensitivity	Privacy masking	■	■	■
	Upright video mode	■	■	■
	Electronic Image Stabilization (EIS)	■	■	■
Lens	Minimum illumination day mode (color) ►	0.036	to be announced	to be announced
	Minimum illumination night mode (black / white) ►	0.0054 / 0 (IR)	to be announced	to be announced
	Max. IR range ►	30 m	–	–
Storage	Automatic varifocal	■	■	■
	Focal length ►	3.9 - 10 mm	5.9 - 13 mm	5.9 - 13 mm
	Horizontal Field of View (HFOV) ►	Wide: 117° - 62° Tele: 44° - 24°	Wide: 110° - 59° Tele: 48° - 27°	Wide: 110° - 59° Tele: 48° - 27°
Connections	Industrial SD card support with health monitoring	Dual µSD	Dual µSD	Dual µSD
Housing	Alarm input / output	■	■	■
	Audio in / out	■	■	■
	Hybrid / public view monitor	–	–	–
Power input voltage	Weather rating	IP67	IP67	IP67
	Vandal resistant	IK11	IK11	IK11
	Operating temperature	-50° to +60° C (-58° to +140° F)	-50° to +60° C (-58° to +140° F)	-50° to +60° C (-58° to +140° F)
Accessories	Power over Ethernet / 12V / 24V ►	PoE+ / 12V / 24V	PoE / 12V / 24V	PoE+ / 12V / 24V
Remote commissioning	Modular mount compatible	■	■	■
	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	■	■	■
	Wireless	–	–	–