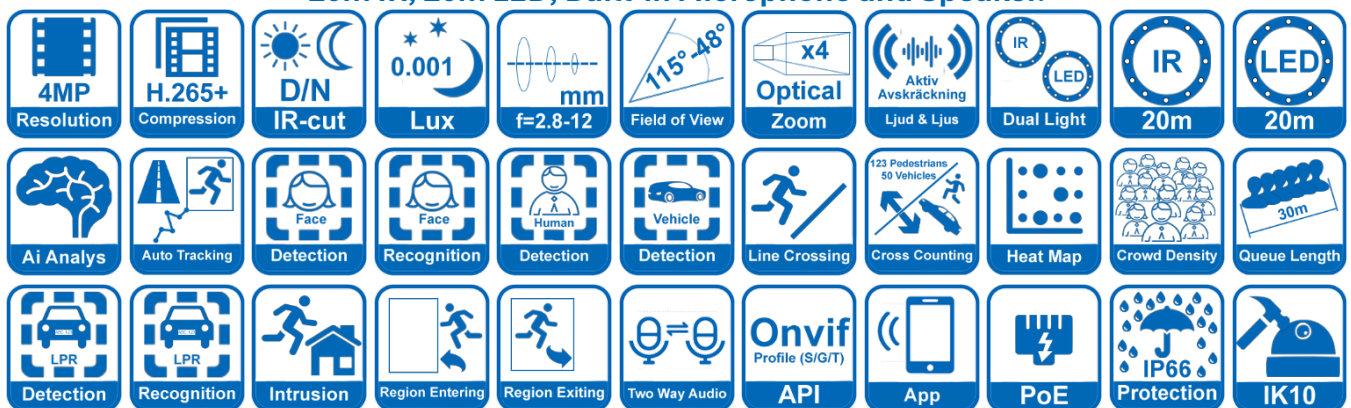


SV-4N4P-PTZADFR/2020-2812PW



4MP Mini PTZ Dome Camera 4xZoom, Autotracking, Deep Learning-based Image Analysis, Active Deterrence, Starlight Sensor, Dual Light, Object Verification, Face Detection/Recognition, License Plate Detection/Recognition, 2.8 - 12mm Motorized Lens (115° - 48°), 20m IR, 20m LED, Built-in Microphone and Speaker.



- Resolution: 4MP (2560x1440).
- Lens: Motorized Lens f=2.8-12mm/F1.6 (115° - 48°).
- Zoom: 4x Optical.
- Starlight Sensor.
- Min. Illumination: 0.001lux (0lux, IR on).
- Dual Light Sources.
- IR LED, range up to 20m.
- White LED illuminator, range up to 20m.
- 24/7 All-weather Color Images.
- Audio & Light alarm, Active deterrence.
- Two-way audio.
- Built-in microphone.
- Built-in speaker.
- Autotracking: Human, bike/motorbike and car.
- AI Analytics based on deep learning:
 - Face Detection/Recognition, AI Object Classification (Distinguishes Objects Such as Pedestrians and Vehicles)
 - Perimeter Intrusion, Line Crossing, Cross Counting, Heat Map, Crowd Density, Queue Length, License Plate Detection/Recognition, Intrusion, Object Detection, Region Entrance, Region Exiting.
- Supports backlight compensation, strong light suppression, 3D digital noise reduction, suitable for different video environments.
- MicroSD card support (256Gb).
- ONVIF(Profile S/G/T).
- IP66 Protection, IK10.

Specifications

IMAGE	
Image Sensor	4MP CMOS sensor 1/1.8" Progressive Scan
Number of Effective Pixels	2560 (H) x 1440 (V)
Min. Illumination	0.001lux/F1.6 -color mode 0lux (IR på) -B/W mode
Electronic Shutter	Auto/manual: 1/5s ~ 1/20000s
Digital Slow Shutter (DSS)	Up to 1/5s
Wide Dynamic Range (WDR)	Yes (double scan sensor) 120dB
Digital Noise Reduction (DNR)	2D, 3D
Highlight Compensation (HLC)	Yes
Back Light Compensation (BLC)	Yes
Reduction of image flicker (Antiflicker)	Yes
Defog	-
Image stabilization	-
LENS	
Lens Type	Ø14
Point of view	Horizontal: 115° - 48° Vertical: 59° - 27° Diagonal: 142° - 55°
Focal length (zoom ratio)	Motorized lens, f=2.8 ~ 12mm
Max. aperture ratio	F1.3
Minimum Object Distance	1.8m
DORI	Detection: 2.8mm 51m - 12mm 122.2 Observation: 2.8mm 20.2m - 12mm 48.5 Recognition: 2.8mm 10.2m - 12mm 24.4 Identification: 2.8mm 5.1m - 12mm 12.2
PTZ	
Range of motion (Pan)	350°
Range of motion (Tilt)	0° - 80°
Pan Speed	Configurable from 0.6° - 54°/s
Tilt Speed	Configurable from 0.6° - 5°/s
Presets	255(Preset calls have a limit of 20,000 times)

DAY/NIGHT	
Switching Type	Mechanical IR cut filter
Switching Mode	Auto, manual, time
Switching Delay	1 ~ 36s
NETWORK	
Stream Resolution	Main Stream: 2560x1440, 2592 x 1520, 2304x1296, 1920x1080, 1280x960, 1280x720 (60fps) Sub Stream: 1280x720, 640x480, 320x240 (30fps) Mobile Stream: 640x480, 320x240 (30fps)
Frame Rate	30fps for each resolution (Main Stream)
Multistreaming Mode	3 streams (main stream, sub stream & mobile stream)
Video/Audio Compression	H.264+, H.265+, H.264, H.265, MJPEG/G.711
Number of Simultaneous Connections	Max. 3 connections, (max. 40 streams in total)
Bandwidth	30Mb/s total
Video quality adjustment	256Kbps ~ 8Mbps
Bitrate-kontrollmetod	CBR/VBR
IP	IPv4/v6
Network Protocols Support	HTTP, TCP/IP, HTTPS, DHCP, DNS, DDNS, NTP, RTSP, RTP, SMTP, P2P
Security	Complex password; Authenticated username and password
Application programming interface	ONVIF (Profile S/G/T)
Camera Configuration	From Internet Explorer, Edge, Firefox, Chrome, Safari browser Languages: English and others
Compatible Software	SafeVision VMS
Mobile applications	RxCamView (iPhone, Android)
OTHER FUNCTIONS	
Privacy Zones	4 video mask type: single color
Motion Detection	Yes
AI Analytics	Face Detection/Recognition, AI Object Classification (Distinguishes Objects Such as Pedestrians and Vehicles) Perimeter Intrusion, Line Crossing, Cross Counting, Heat Map, Crowd Density, Queue Length, License Plate Detection/Recognition, Intrusion, Object Detection, Region Entrance, Region Exiting
Image setting	Full color mode, Day and night mode, Smart lighting
Image Processing	180° image rotation, vertical flip, horizontal flip
Prealarm/Postalarm	Up to 5s/up to 30s

System Reaction to Alarm Events	E-mail with attachment, saving file on SD card, active deterrent functions
Action in case of alarm	White LEDs, steady/flashing light, red and blue LEDs, flashing light, Audio signaling device (siren)
Restoring default settings	Via web browser, using reset button
License Plate Recognition (ANPR)	
Autonomous operation mode	Yes - recognition function implemented in the camera
Capacity of License Plate Database	Up to 10000 license plates, on all lists
Types of recognized number plates	All countries of the European Union
Data recorded in the camera base	Recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"
Reactions for the licence plate recognition	E-mail with attachment, saving file on FTP server, saving a file in the cloud
IR LED	
LED Number	4pc one for each direction
Range	20m
Smart IR	Yes (hardware support)
WHITE LIGHT ILLUMINATOR	
LED Number	4pc one for each direction
Range	20m
Smart Light	Yes (hardware support)
INTERFACES	
Alarm Input/Output	No
Audio Input/Output	Built-in microphone and speaker
Network Interface	1 x Ethernet - RJ-45 interface, 10/100Mbit/s
Memory Card Slot	MicroSD - capacity up to 256GB

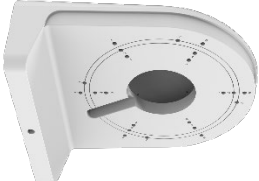
INSTALLATION PARAMETERS

Dimensions	Ø153 x 121.3mm
Weight	0.95kg
Degree of Protection	IP66, IK10
Enclosure	Aluminium + plastic, white Enclosure type: N4P
Power Supply	12VDC, PoE (IEEE 802.3af, Class 3)
Surge protection	TVS 4000V
Power Consumption	DC12V/PoE(48V): max 13.5W
Operating Temperature	-35°C ~ 60°C
Humidity	Max 90%, relative (non-condensing)

Dimensions



Matching Accessories

	
SV-BZJ-B-2	SV- CXH150D-B