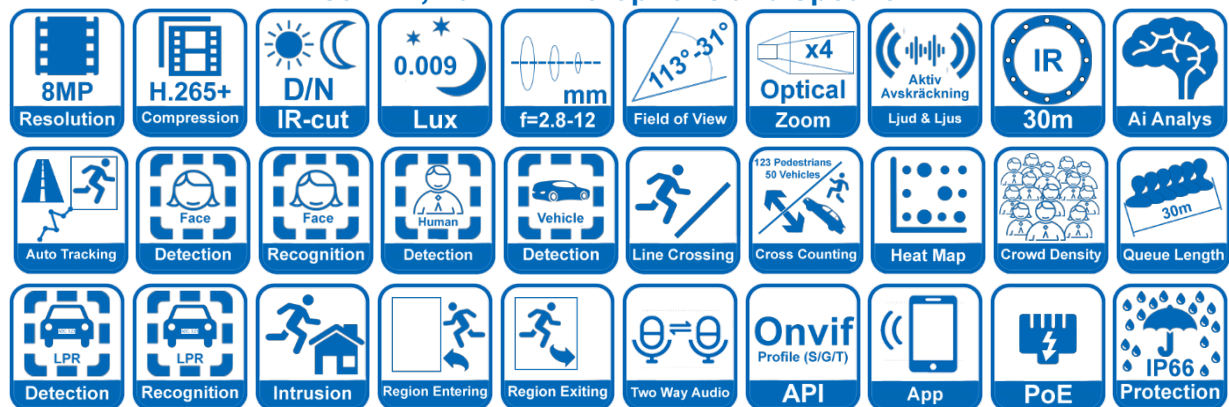


# SV-8N3E-PTZADFR/3000-2812PW



**8MP Mini PTZ Dome Camera 4xZoom, Autotracking, Deep Learning-based Image Analysis, Active Deterrence, Starlight Sensor, Object Verification, Face Detection/Recognition, License Plate Detection/Recognition, 2.8 - 12mm Motorized Lens (113° - 31°), 30m IR, Built-in Microphone and Speaker.**



- Resolution: 8MP (3840x2160).
- Lens: Motorized Lens f=2.8-12mm/F1.6 (113° - 31°).
- Zoom: 4x Optical.
- Starlight Sensor.
- Min. Illumination: 0.009lux (0lux, IR on).
- IR LED, range up to 30m.
- 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.

## Specifications

| IMAGE                                    |                                                                                                                                                              |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                             | 8MP CMOS sensor 1/2.7" Progressive Scan                                                                                                                      |
| Number of Effective Pixels               | 3840 (H) x 2160 (V)                                                                                                                                          |
| Min. Illumination                        | 0.009lux/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: 113° - 31°<br>Vertical: 58.4° - 17.6°<br>Diagonal: 138.6° - 36°                                                                                  |
| Focal length (zoom ratio)                | Motorized lens, f=2.8 ~ 12mm                                                                                                                                 |
| Max. aperture ratio                      | F1.6                                                                                                                                                         |
| Minimum Object Distance                  | 1.8m                                                                                                                                                         |
| DORI                                     | Detection: 2.8mm 77.9m - 12mm 280.3<br>Observation: 2.8mm 30.9m - 12mm 111.3<br>Recognition: 2.8mm 15.6m - 12mm 56.1<br>Identification: 2.8mm 7.8m - 12mm 28 |
| PTZ                                      |                                                                                                                                                              |
| Range of motion (Pan)                    | 350°                                                                                                                                                         |
| Range of motion (Tilt)                   | 0° - 90°                                                                                                                                                     |
| 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)                                                                                                               |

| <b>DAY/NIGHT</b>                   |                                                                                                                                                                                                                                                                                                            |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switching Type                     | Mechanical IR cut filter                                                                                                                                                                                                                                                                                   |
| Switching Mode                     | Auto, manual, time                                                                                                                                                                                                                                                                                         |
| Switching Delay                    | 1 ~ 36s                                                                                                                                                                                                                                                                                                    |
| <b>NETWORK</b>                     |                                                                                                                                                                                                                                                                                                            |
| Stream Resolution                  | Main Stream: 3840x2160, 3072x1728, 2592x1940, 2592 x 1520, 2304x1296, 1920x1080, 1280x960, 1280x720<br>Sub Stream: 1280x720, 640x480, 320x240<br>Mobile Stream: 640x480, 320x240                                                                                                                           |
| Frame Rate                         | 30fps for each resolution                                                                                                                                                                                                                                                                                  |
| 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<br>Languages: English and others                                                                                                                                                                                                             |
| Compatible Software                | SafeVision VMS                                                                                                                                                                                                                                                                                             |
| Mobile applications                | RxCamView (iPhone, Android)                                                                                                                                                                                                                                                                                |
| <b>OTHER FUNCTIONS</b>             |                                                                                                                                                                                                                                                                                                            |
| 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                                                                                                        |
| <b>License Plate Recognition (ANPR)</b>     |                                                                                                                                            |
| 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                                                              |
| <b>IR LED</b>                               |                                                                                                                                            |
| LED Number                                  | 4pc one for each direction                                                                                                                 |
| Range                                       | 30m                                                                                                                                        |
| Smart IR                                    | Yes (hardware support)                                                                                                                     |
| <b>WHITE LIGHT ILLUMINATOR</b>              |                                                                                                                                            |
| LED Number                                  | -                                                                                                                                          |
| Range                                       | -                                                                                                                                          |
| Smart Light                                 | -                                                                                                                                          |
| <b>INTERFACES</b>                           |                                                                                                                                            |
| 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 (WxDxH)    | Ø122 x 166.8 x 238mm               |
| Weight                | 0.92kg                             |
| Degree of Protection  | IP66                               |
| Enclosure             | Plastic, white Enclosure type: N3E |
| Power Supply          | 12VDC, PoE (IEEE 802.3af, Class 3) |
| Surge protection      | TVS 4000V                          |
| Power Consumption     | DC12V/PoE(48V): max 13W            |
| Operating Temperature | -30°C ~ 60°C                       |
| Humidity              | Max 90%, relative (non-condensing) |

## Dimensions

