



# Speed Dome IP Camera

NVIP-3DN7030SD/IRH-2P



7000 PRO  
IP SERIES

## FUNCTIONS



## KEY FEATURES

- Resolution: 3 MPX
- Lens: motorized, auto-iris (P-Iris) and auto-focus function,
- D/N function - IR cut filter
- Auto Tracking
- SD card support
- Min. Illumination from 0.01 lx
- IR LED, range up to 150 m

## DIMENSIONS



| Image                              |                                                                                                                                                                                        |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                       | 3 MPX CMOS sensor 1/2.8" SONY Exmor R STARVIS                                                                                                                                          |
| Number of Effective Pixels         | 2048 (H) x 1536 (V)                                                                                                                                                                    |
| Min. Illumination                  | 0.04 lx/F1.6 - color mode (DSS),<br>0.01 lx/F1.6 - B/W mode (DSS),<br>0 lx (IR on) - B/W mode                                                                                          |
| Electronic Shutter                 | auto/manual: 1/1 s ~ 1/10000 s                                                                                                                                                         |
| Digital Slow Shutter (DSS)         | up to 1 s                                                                                                                                                                              |
| Wide Dynamic Range (WDR)           | yes (triple and double scan sensor), 120dB                                                                                                                                             |
| Digital Noise Reduction (DNR)      | 2D, 3D                                                                                                                                                                                 |
| Lens                               |                                                                                                                                                                                        |
| Optical Zoom                       | 30x                                                                                                                                                                                    |
| Lens Type                          | motorized, auto-iris (P-Iris) function, f=4.3 ~ 129 mm/F1.6 ~ F4.7                                                                                                                     |
| Auto-focus                         | continuous, zoom trigger, day/night mode trigger, manual trigger                                                                                                                       |
| Day/Night                          |                                                                                                                                                                                        |
| Switching Type                     | mechanical IR cut filter                                                                                                                                                               |
| Switching Mode                     | auto, manual, time                                                                                                                                                                     |
| Switching Schedule                 | yes                                                                                                                                                                                    |
| Network                            |                                                                                                                                                                                        |
| Stream Resolution                  | 2048 x 1536 (QXGA), 1920 x 1080 (Full HD), 1280 x 1024 (SXGA), 1280 x 720 (HD), 1024 x 768 (XGA), 800 x 600 (SVGA), 720 x 576 (D1), 640 x 480 (VGA), 352 x 288 (CIF), 320 x 240 (QVGA) |
| Frame Rate                         | 60 fps for 2048 x 1536 (QXGA) and lower resolutions                                                                                                                                    |
| Multistreaming Mode                | 4 streams                                                                                                                                                                              |
| Video/Audio Compression            | H.264, MJPEG/Ju-Law, G.711, G.726, AAC                                                                                                                                                 |
| Number of Simultaneous Connections | max. 10                                                                                                                                                                                |
| Bandwidth                          | 50 Mb/s in total                                                                                                                                                                       |
| Network Protocols Support          | HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, Multicast, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SSL, ICMP, Unicast                                                 |
| Camera Configuration               | from Internet Explorer browser<br>languages: Polish, English, Russian, and others                                                                                                      |
| Compatible Software                | NOVUS MANAGEMENT SYSTEM VSS                                                                                                                                                            |
| PTZ                                |                                                                                                                                                                                        |
| Preset Commands                    | 256                                                                                                                                                                                    |
| Tours                              | 8 (up to 64 presets per tour)                                                                                                                                                          |
| Auto-Scans                         | 4                                                                                                                                                                                      |
| Patterns                           | 8                                                                                                                                                                                      |
| Tilt/Pan Range                     | -20° ~ 200°/360° (continuous)                                                                                                                                                          |
| Pan/Tilt Speed                     | up to 90°/s (proportional to zoom)                                                                                                                                                     |
| Preset Speed                       | up to 300°/s                                                                                                                                                                           |
| Protocols                          | Pelco-D, Pelco-P                                                                                                                                                                       |
| Other functions                    |                                                                                                                                                                                        |
| Privacy Zones                      | 20                                                                                                                                                                                     |
| Motion Detection                   | yes                                                                                                                                                                                    |
| Audio Detection                    | yes                                                                                                                                                                                    |
| Video Content Analysis (VCA)       | auto tracking                                                                                                                                                                          |
| Image Processing                   | 90° image rotation, 180° image rotation, sharpening, mirror effect                                                                                                                     |
| Prealarm/Postalarm                 | up to 3 s or 20 frames/up to 99999 s or 20 frames                                                                                                                                      |
| System Reaction to Alarm Events    | e-mail with attachment, saving file on FTP server, saving file on SD card, saving file on NAS server, alarm output activation, HTTP notification, PTZ                                  |
| IR LED                             |                                                                                                                                                                                        |
| LED Number                         | 12                                                                                                                                                                                     |
| Range                              | up to 150 m (depends on current optical zoom value)                                                                                                                                    |
| Interfaces                         |                                                                                                                                                                                        |
| Video Output                       | BNC, 1.0 Vp-p, 75 Ohm - maintenance only                                                                                                                                               |
| Audio Input/Output                 | 1/1                                                                                                                                                                                    |
| Alarm Input/Output                 | 4 (NO/NC)/2 relay type (max. 12VDC/300mA)                                                                                                                                              |
| RS-485                             | yes                                                                                                                                                                                    |
| Network Interface                  | 1 x Ethernet - RJ-45 interface, 10/100/1000 Mbit/s                                                                                                                                     |
| Memory Card Slot                   | SD - capacity up to 64GB                                                                                                                                                               |
| Installation parameters            |                                                                                                                                                                                        |
| Dimensions (mm)                    | 207 (W) x 300 (H) with bracket: 207 (W) x 399 (H) x 260 (L)                                                                                                                            |
| Weight                             | 3.0 kg with bracket: 3.8 kg                                                                                                                                                            |
| Degree of Protection               | IP 66 (details in the user's manual)                                                                                                                                                   |
| Enclosure                          | aluminium/plastic, white, in set: outdoor housing (integrated with the camera), wall mount bracket                                                                                     |
| Power Supply                       | 12 VDC, 24 VAC                                                                                                                                                                         |
| Power Consumption                  | 14 W,<br>29 W (IR illuminator on),<br>41.5 W (IR and heater on)                                                                                                                        |
| Operating Temperature              | -40°C ~ 50°C                                                                                                                                                                           |
| Humidity                           | max. 90%, relative (non-condensing)                                                                                                                                                    |
| Built-in Heater/Fan                | yes/yes                                                                                                                                                                                |

Control of the camera using NV-KBD50 keyboard works in a limited range.