

## Day/Night IR Bullet Megapixel IP Camera NVIP-3DN3010H/IRH-1P



### Features

- Mechanical IR cut filter
- IR operation capability
- Imager resolution: 3.0 megapixels
- Min. Illumination: from 0.001 lx/F=1.2 (0 lx - IR On)
- Wide Dynamic Range (WDR)
- Digital Slow Shutter (DSS)
- Digital Noise Reduction (DNR)
- Auto iris DC lens: f=3 ~ 10 mm
- Built-in IR LED - 40 pcs.
- Privacy zones: 6
- 1 alarm input and output
- Built-in web server: video and audio compression and real-time network transmission
- Compression: H.264, MPEG-4, M-JPEG
- Video processing resolution:
  - 2048 x 1536 (QXGA),
  - 1600 x 1200 (UXGA),
  - 1920 x 1080 (FullHD),
  - 1280 x 1024 (SXGA),
  - 1280 x 960,
  - 1280 x 720 (HD),
  - 1024 x 768 (XGA),
  - 640 x 480 (VGA),
  - 320 x 240 (QVGA),
- Triple streaming: compression, resolution, speed and quality defined for all video streams
- RTP/RTSP protocol support for video transmission
- Pre- & post-alarm functions - video recording in AVI format
- Hardware motion detection
- Bidirectional audio transmission
- Diverse definition of system reactions to alarm events: e-mail, saving file on FTP server, alarm output trigger
- Software: NMS (NOVUS MANAGEMENT SYSTEM) for video recording, live monitoring, playback and remote IP devices administration
- IP 66
- Mounting bracket and sunshield included
- Power supply: 12 VDC/PoE+ (Power over Ethernet)

Specifications	Description
Pick-up Element	1/2.8" CMOS imager, progressive scan
Imager Resolution	3.0 megapixels

Specifications	Description
Min. Illumination	0.3 lx/F=1.2 - color mode, 0.08 lx/F=1.2 - B/W mode, 0.001 lx/F=1.2 - B/W mode, DSS 0 lx (IR On)
S/N Ratio	More than 50 dB (AGC Off)
Wide Dynamic Range (WDR)	5 levels
Electronic Shutter	Auto/Manual (1/12.5 ~ 1/8 000 s)
Digital Slow Shutter (DSS)	0.13 s ~ 1 s
White Balance	Auto/Manual/Outdoor/Indoor/Fluorescent
Back Light Compensation (BLC)	On/Off
Privacy Zones	6
Synchronization	Internal
Day/Night Switching	Auto/Manual
Lens type	Auto Iris DC : f=3 ~ 10 mm, F=1.2
Angle of View (H)	90° ~ 28°
IR LED	LED - 40 pcs.
Video Output	1.0 Vp-p/75 Ohm (BNC) - maintenance only
IR Effective Range	Up to 40 m
Degree of protection	IP 66
Image Functions	DNR - Digital Noise Reduction
Video Compression	H.264/MPEG-4/M-JPEG
Audio Input	1 x RCA
Audio Output	1 x RCA
Audio Compression	G.711
Resolution	2048 x 1536 (QXGA), 1600 x 1200 (UXGA), 1920 x 1080 (FullHD), 1280 x 1024 (SXGA), 1280 x 960, 1280 x 720 (HD), 1024 x 768 (XGA), 640 x 480 (VGA), 320 x 240 (QVGA)
Alarm Input	1 (NO/NC)
Alarm Output	1
System Reaction to Alarm Events	E-mail, saving file on FTP, alarm output activation
Pre- & Post-alarm Functions	Pre-alarm up to 10 s & Post-alarm up to 30 s (file size up to 10MB)
Frame Rate	Up to 15 fps for 2048 x 1536 and lower resolution
Image Saving Files	AVI
Video streaming	3 streams
Number of Simultaneous Network Connections	max. 10
External Ports	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Motion Detection	Hardware
Time Synchronization	Automatic time synchronization with NTP server
Network Protocols Support	TCP/IP, UDP/IP, RTP, RTSP, RTCP, NTP, HTTP, DHCP, FTP, SMTP, DNS
Software	NMS
User Authorization	Password protected camera access and its configuration
Power Supply	12 VDC/PoE+
Power Consumption	2.5 W, 6 W (IR On), 18 W (IR & heater On)
Operating Temperature	-40°C ~ 50°C
Dimensions (mm)	166 (L) x 83 (W) x 82 (H)
Weight	1.3 kg