

## Day/Night Megapixel IR Vandal Proof IP Camera NVIP-2DN4001V/IRH-2P



### Full HD

#### Features

- Mechanical IR cut filter
- IR operation capability
- Imager resolution: 2.0 megapixels
- Min. Illumination: from 0.02 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 ~ 9 mm
- 3-axis camera module adjustment
- Privacy zones: 5
- 1 alarm input and output
- Built-in webservice: video and audio compression and real-time network transmission
- Compression: H.264, M-JPEG
- Video processing resolution:
  - 1920 x 1080 (FullHD),
  - 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)
- 4 streams: compression, resolution, speed and quality defined individually for all video streams
- RTP/RTSP protocol support for video transmission
- Network connection control and IP address check function
- Pre- & post-alarm functions - video recording in AVI format
- Schedule recording function
- Hardware motion detection
- Bidirectional audio transmission
- Micro SD/SDHC card support
- Diverse definition of system reactions to alarm events: e-mail with attachment, saving file on FTP server, alarm output trigger, saving file on micro SD/SDHC card, HTTP notification
- Software: NMS (NOVUS MANAGEMENT SYSTEM) for video recording, live monitoring, playback and remote IP devices administration
- IP 66
- Vandal proof housing
- Built-in fan & heater
- Power supply: 12 VDC/24 VAC/PoE\* (Power over Ethernet)

#### Specifications

#### Description

Pick-up Element	1/2.7" CMOS imager (16:9 format), progressive scan
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Specifications	Description
Imager Resolution	2.0 megapixels
Min. Illumination	0.2 lx/F=1.2 – color mode, 0.02 lx/F=1.2 – B/W mode, 0 lx (IR On)
S/N Ratio	More than 50 dB (AGC Off)
Wide Dynamic Range (WDR)	Lo/Mid/Hi/Off
Electronic Shutter	Auto/Manual (1/1.5 ~ 1/10 000 s)
Digital Slow Shutter (DSS)	1/25 ~ 1 s
White Balance	Auto/ATW/Manual (RGB)
Back Light Compensation (BLC)	On/Off
Privacy Zones	5
Synchronization	Internal
Day/Night Switching	Auto/Manual/Light Sensor
Lens type	Auto Iris DC: f=3 ~ 9 mm, F=1.2
Angle of View (H)	104° ~ 35°
IR LED	LED – 23 pcs.
IR Effective Range	Up to 30 m
Enclosure	Vandal proof
Degree of protection	IP 66
Image Functions	DNR – Digital Noise Reduction
Video Compression	H.264/M-JPEG
Fan/Heater	Yes/Yes (supported only with 12 VDC/24 VAC)
Audio Input	1 x Jack
Audio Output	1 x Jack
Audio Compression	G.711/G.726
Resolution	1920 x 1080, 1280 x 1024, 1280 x 720, 1024 x 768, 800 x 600, 720 x 576, 640 x 480, 352 x 288
Alarm Input	1 (NO/NC)
Alarm Output	1, electronic relay galvanically isolated, 0.1 A, 30 VAC/VDC
System Reaction to Alarm Events	E-mail with attachment, saving file on FTP, saving file to SD/SDHC card, alarm output activation, HTTP notification
Pre- & Post-alarm Functions	Max. 3 s pre-alarm or 20 pictures and max. 9999 s post-alarm recording or 20 pictures
Frame Rate	Up to 25 fps for 1920 x 1080 and lower resolution
Image Saving Files	AVI (SD card), JPEG (FTP)
Video streaming	4 streams
Number of Simultaneous Network Connections	Max. 10
External Ports	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s, 1 x micro SD/SDHC
Motion Detection	Hardware
Time Synchronization	Automatic time synchronization with NTP server
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, Multicast, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS
Software	NMS
User Authorization	Password protected camera access and its configuration, HTTPS, IP filtering, IEEE 802.1X
Power Supply	12 VDC/24 VAC/PoE* (IEEE 802.3af)
Power Consumption	5 W (IR Off), 8 W (IR On), 13 W (IR & Heater On)
Operating Temperature	-30°C ~ 50°C
Dimensions (mm)	149 (Ø) x 135 (H)
Weight	1200 g
*	PoE is available for cameras operating without heater and/or fan