NoVus

Vandal Proof IP Camera with Fisheye Lens

NVIP-12F-8001





FUNCTIONS























- •Resolution: 12 MPX
- •Lens: fisheye, f=1.8 mm/F2.4 •D/N function IR cut filter •Video content analysis

- •microSD card support
 •Min. Illumination from 0.04 lx (0 lx, IR on)
- •IR LED, range up to 10 m

DIMENSIONS









Image	
Image Sensor	12 MPX CMOS sensor 1/1.7" SONY Exmor R STARVIS
Number of Effective Pixels	4072 (H) x 3046 (V)
Min. Illumination	0.04 lx/F2.4 - color mode, 0 lx (IR on) - B/W mode
Electronic Shutter	auto: 1/5 s ~ 1/20000 s
Digital Slow Shutter (DSS)	up to 1/5 s
Wide Dynamic Range (WDR)	yes
Digital Noise Reduction (DNR)	2D, 3D
Defog Function (F-DNR)	yes
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Lens	
Lens Type	fisheye, f=1.8 mm/F2.4
Day/Night Day/Night	
Switching Type	mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	0 ~ 180 s
Switching Schedule	yes
Visible Light Sensor	yes
Network	
Stream Resolution	4000 x 3000, 4000 x 2000, 3840 x 2160 (4K Ultra HD), 3000 x 3000, 2560 x 2560, 1920 x 1080 (Full HD), 1280 x 960, 704 x 576, 720 x 720
Multistreaming Mode	number of streams: 2
Video/Audio Compression	H.264, H.264 Smart, H.265, H.265 Smart, MJPEG/G.711, RAW_PCM
Number of Simultaneous Connections	max. 8
Bandwidth	30 Mb/s in total
Network Protocols Support	HTTP, TCPIP, IP-4, UDP, HTTPS, Multicast, FTP, DHCP, DNS, NTP, RTSP, RTP, UPnP, IEEE 802.1X, PPP0E, SMTP, RTCP, SSL, ICMP, Unicast from Internet Explorer browser
Camera Configuration Compatible Software	Inom Internet Explorer browser Ianguages: Polish, English, Russian, and others NOVUS MANAGEMENT SYSTEM VSS. NOVUS MANAGEMENT SYSTEM AC
	HOTOS PANDOEMENT STSTEM TSS, NOTOS PANDOEMENT STSTEM AC
Video Analytics	
Functions	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking
Functions	
Functions Other functions Privacy Zones Motion Detection	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes
Functions Other functions Privacy Zones Motion Detection Region of interest (ROI)	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes 8
Functions Other functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiker, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180* image rotation, mirror effect
Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prealarm/Postalarm	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180' image rotation, mirror effect up to 5 MB/up to 86400 s
Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prelamm/Postalarm System Reaction to Alarm Events	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180* image rotation, mirror effect
Functions Other functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prelamm/Postalarm System Reaction to Alarm Events IR LED	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180° image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation
Functions Other functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prelamm/Rostalarm System Reaction to Alarm Events IR LED LED Number	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, lolter, multi lolter, abnormal speed, wrong direction, illegal parking 4 yes 8 180° image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation
Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events IR LED LED Number Range	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi- loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180' image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m
Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events IR LED LED Number Range Angle	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, lolter, multi lolter, abnormal speed, wrong direction, illegal parking 4 yes 8 180° image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation
Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events IR LED LED Number Range	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180° image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m 180°
Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prealarm/Postslarm System Reaction to Alarm Events IR LED LED Number Range Angle Interfaces Audio Input/Output.	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi- loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180' image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m 180° 1 x RCA/I x RCA, built-in microphone
Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prealarm/Postslarm System Reaction to Alarm Events IR LED LED Number Range Angle Interfaces	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 188* image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m 180* 1 x RCA/1 x RCA, build-indirections and solutions are solved as a service of the solution and solution and solution and solution and s
Functions Other functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prelammi/Postalarm System Reaction to Alarm Events IR LED LED Number Range Angle Interfaces Audio Input/Output Alarm Input/Output Network Interface	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi- loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180° image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m 180° 1 x RCA/1 x RCA, built-in microphone 1 (NO/NC/1) 1 x Ethemet Rij-45 interface, 10/100 Mbit/s
Functions Other functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events IR LED LED Number Range Angle Interfaces Audio Input/Output Alarm Input/Output Alarm Input/Output Memory Card Slot	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 188* image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m 180* 1 x RCA/1 x RCA, build-indirections and solutions are solved as a service of the solution and solution and solution and solution and s
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Eunctions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events IR LED LED Number Range Angle Interfaces Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot Installation parameters Dimensions (mm)	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180° image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m 180° 1 x RCA/1 x RCA, built-in microphone 1 (NO/NC)/1 1 x Ethermet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB
Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prelaam/Postalarm System Reaction to Alarm Events IR LED LED Number Range Angle Interfaces Audio Input/Output Alarm Input/Output Alarm Input/Output Network Interface Memory Card Slot Imstallation parameters Dimensions (mm) Weight	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180* image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m 180* 1 x RCA/1 x RCA, build-indirection microphone 1 (NO/NCI/1 1 x Ethernet - RI-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB
Eunctions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events IR LED LED Number Range Angle Interfaces Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot Installation parameters Dimensions (mm)	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi- loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180* image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m 180* 1 x RCA/1 x RCA, built-in microphone 1 (NO/NC/)1 1 x Ethernet - R-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB 162 (Φ) x 52 (H) 0.7 kg IP 66 (details in the user's manual)
Functions Other functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events IR LED LED Number Range Angie Interface Audio Input/Output Network Interface Memory Card Slot Installation parameters Dimensions (mm) Weight Degree of Protection Enclosure	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi- loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180° image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m 180° 1 x RCA/1 x RCA, built-in microphone 1 (NO/NC/)1 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB 162 (Φ) x 52 (H) 0.7 kg IP 66 (details in the user's manual) vandalproof, IK10 impact rating, aluminium, white, poly-carbonate bubble enclosure types iff 1
Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prelamm/Postalarm System Reaction to Alarm Events IR LED LED Number Range Angle Interfaces Audio Input/Output Alarm Input/Output Alarm Input/Output Network Interface Memory Card Slot Installation parameters Dimensions (mm) Weight Degree of Protection	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi- loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180° image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m 180° 1 x RCA1 x RCA, built-in microphone 1 (NO/NC/I 1 x Ethernet - Ry-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB 162 (©) x 52 (H) 0.7 kg 19 66 (details in the user's manual) vandalproof, IK10 impact rating, aluminium, white, poly-carbonate bubble enclosure type: 8F1 12 VDC/24 VAC, PoE (IEEE 802.3af, Class 3)
Functions Other functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events IR LED LED Number Range Angle Interfaces Audio Input/Output Alarm Input/Output Alarm Input/Output Insterface Memory Card Slot Installation parameters Dimensions (mm) Weight Degree of Protection Enclosure Power Consumption	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180* image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m 180* 1 x RCA/1 x RCA, built-in microphone 1 (NO/NC)/1 1 x Ethernet - Ry-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB 162 (©) x 52 (H) 0.7 kg IP 66 (details in the user's manual) vandalproof, IK10 impact rating, aluminium, white, poly-carbonate bubble enclosure type: 8F1 12 VDC/24 VAC, PoE (IEEE 802.3af, Class 3) 3.7 W, 9.5 W (IR illuminator on), 5.7 W (Inbater on), 11.3 W (IR and heater on)
Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events IR LED LED Number Range Angle Interfaces Audio Input/Output Alarm Input/Output Alarm Input/Output Installation parameters Dimensions (mm) Weight Degree of Protection Enclosure Power Supply Power Consumption Operating Temperature	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180 'image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m 180° 1 x RCA/1 x RCA, built-in microphone 1 (NO/NC)/1 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB 162 (0) x 52 (H) 0.7 kg 19 F6 (details in the user's manual) vandalproof, IK10 impact rating, aluminium, white, poly-carbonate bubble enclosure type: 8f1 2 VDC/24 ACP, Det (IEEE 802.3af, Class 3) 3.7 W, 9.5 X W (RI illuminator on), 5.7 W, (heater on), 1.1.5 W (Ik and heater on) -30°C - 60°C
Functions Other functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events IR LED LED Number Range Angle Interfaces Audio Input/Output Alarm Input/Output Alarm Input/Output Insterface Memory Card Slot Installation parameters Dimensions (mm) Weight Degree of Protection Enclosure Power Consumption	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, wrong direction, illegal parking 4 yes 8 180* image rotation, mirror effect up to 5 MB/up to 86400 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation 6 10 m 180* 1 x RCA/1 x RCA, built-in microphone 1 (NO/NC)/1 1 x Ethernet - Ry-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB 162 (©) x 52 (H) 0.7 kg IP 66 (details in the user's manual) vandalproof, IK10 impact rating, aluminium, white, poly-carbonate bubble enclosure type: 8F1 12 VDC/24 VAC, PoE (IEEE 802.3af, Class 3) 3.7 W, 9.5 W (IR illuminator on), 5.7 W (Inbater on), 11.3 W (IR and heater on)

The following functions are available from software version v3.5.0807.1004.89.0.32.3.6: Video Content Analysis (VCA), H.264 Smart, H.265 Smart, BLC.
Please keep in mind that due to the specific observation area of cameras with a fisheye lens, the effectiveness of the Video Content Analysis (VCA) function is higher in the central part of the scene and much lower on its