NoVus

Vandal Proof IP Camera with Fisheye Lens

NVIP-12F-4201





FUNCTIONS























KEY FEATURES

- •Resolution: 12 MPX
- •Lens: fisheye, f=1.6 mm/F2.0 •built-in microphone
- •D/N function IR cut filter
 •microSD card support
- •two-way audio

- Min. Illumination from 0.01 lx (0 lx, IR on)

 IR LED, range up to 5 m

 "Two way power" when connected to a PoE switch, it allows to power the low power receiver from the camera's power socket

mm

DIMENSIONS



120 mm (Ø)



The camera is dedicated to work with NOVUS 4000 series recorders. Detailed data can be found in the compatibility table available in the DOWNLOADABLE FILES tab.

Image	
Image Sensor	12 MPX CMOS sensor 1/2.3" OmniVision
Number of Effective Pixels	4096 (H) x 3072 (V)
	0.016 lx/F2.0 - color mode,
Min. Illumination	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)	3D
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes
Lens	
Lens Type	fisheye, f=1.6 mm/F2.0
Day/Night	
Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Mode Switching Delay	1 ~ 36 s
Switching Schedule	1 ~ 30 S Ves
Visible Light Sensor	·
Visible Light Sensor Network	yes
Network	
Stream Resolution	4000 x 3000, 3000 x 3000, 2560 x 2560, 2160 x 2160, 1520 x 1520, 1280 x 960, 1080 x 1080, 720 x 720, 640 x 480 (VGA)
	15 fps for,
Frame Rate	25 fps for and lower resolutions
Multistreaming Mode	number of streams: 3 (main stream, sub stream, third stream)
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
Number of Simultaneous Connections	max. 3 connections, (max. 30 streams in total)
Bandwidth	65 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, PPPoE, SMTP, P2P, HTML5
Camera Configuration	from Internet Explorer, Edge, Firefox, Chrome, Opera, Safari browser languages: Polish, English, Russian, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, N Control 4000
Mobile applications	RxCamView (iPhone, Android)
Other functions	
Privacy Zones	4 video mask type: single color
	4 video mask type: single color yes
Privacy Zones Motion Detection Region of interest (ROI)	
Privacy Zones Motion Detection	yes
Privacy Zones Motion Detection Region of interest (ROI)	yes 8
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection	yes 8 yes
Privacy Zones Motion Detection Region of Interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events	yes 8 yes mirror effect, vertical flip, horizontal flip up to 5 slup to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification
Privacy Zones Motion Detection Region of Interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent	yes 8 yes miror effect, vertical flip, horizontal flip up to 5 s/up to 30 s e-mall with attachment, saving flie on FFP server, saving flie on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages)
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings	yes 8 yes mirror effect, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification
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Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED	yes 8 yes mirror effect, vertical flip, horizontal flip up to 5 slup to 30 s e-mall with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number	yes 8 yes mirror effect, vertical flip, horizontal flip up to 5 sup to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LLED Number Range	yes 8 yes miror effect, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m
Privacy Zones Motion Detection Region of Interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces	yes 8 yes miror effect, vertical flip, horizontal flip up to 5 s/up to 30 s e-mall with attachment, saving flie on FFP server, saving flie on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support)
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio Input/Output	yes 8 yes miror effect, vertical flip, horizontal flip up to 5 stup to 30 s e-mail with attachment, saving flie on FTP server, saving flie on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support) built-in microphone/speaker
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealam/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio Input/Output Alarm Input/Output	yes 8 yes miror effect, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving flie on FTP server, saving flie on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support) built-in microphone/speaker 1 (NO/NC)/1 relay type (max. 12VDC/300mA)
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio Input/Output Alarm Input/Output Network Interface	yes 8 yes miror effect, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support) built-in microphone/speaker 1 (NO/NC/J relay type (max. 12VDC/300mA) 1 x Ethernet - Rj-45 interface, 10/100 Mbit/s
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot	yes 8 yes miror effect, vertical flip, horizontal flip up to 5 s/up to 30 s e-mall with attachment, saving flie on FTP server, saving flie on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support) built-in microphone/speaker 1 (NO/NC)/2 relay type (max. 12VDC/300mA)
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio Input/Output Alarm Input/Output Network Interface Memory Card Siot Installation parameters	yes 8 yes mirror effect, vertical flip, horizontal flip up to 5 slup to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support) built-in microphone/speaker 1 (NONC/I, relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio Input/Output Alarm Input/Output Alarm Input/Output Network Interface Memory Card Slot Installation parameters Dimensions (mm)	yes 8 yes mirror effect, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support) built-in microphone/speaker 1 (NO/NC)1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio input/Output Alarm input/Output Network interface Memory Card Slot Installation parameters Dimensions (mm) Weight	yes 8 yes miror effect, vertical flip, horizontal flip up to 5 s/up to 30 s e-mall with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support) built-in microphone/speaker 1 (NO/NC)/2 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio input/Output Alarm Input/Output Alarm Input/Output Network Interface Memory Card Slot Installation parameters Dimensions (mm) Weight Degree of Protection	yes 8 yes miror effect, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support) built-in microphone/speaker 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 120 (Φ) x 55 (H) 0.5 kg IP 66 (details in the user's manual) vandalproof, aluminium, white
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio input/Output Alarm input/Output Alarm input/Output Network interface Memory Card Slot Dimensions (mm) Weight Degree of Protection Enclosure	yes 8 yes miror effect, vertical flip, horizontal flip up to 5 s/up to 30 s e-mall with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support) built-in microphone/speaker 1 (NONC)/2 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 120 (4) x 55 (H) 0.5 kg IP 66 (details in the user's manual) vandalproof, aluminium, white enclosure type: 4F
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio Input/Output Alarm Input/Output Alarm Input/Output Network Interface Memory Card Stot Installation parameters Dimensions (mm) Weight Degree of Protection Enclosure Power Supply	yes 8 yes mirror effect, vertical flip, horizontal flip up to 5 slup to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support) built-in microphone/speaker 1 (NONC/17 relay type (max. 12VDC/300mA) 1 x Ethermet - Ry-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 120 (@) x 55 (H) 0.5 kg IP 66 (details in the user's manual) vandalproof, aluminium, white enclosure types: 4F 12 VDC, Pot (IEEE 802.3af, Klasa 3)
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio input/Output Alarm input/Output Alarm input/Output Network interface Memory Card Slot Dimensions (mm) Weight Degree of Protection Enclosure	yes 8 yes mirror effect, vertical flip, horizontal flip up to 5 slup to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support) built-in microphone/speaker 1 (NO/NC/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 120 (Φ) x 55 (H) 0.5 kg IP 66 (details in the user's manual) vandalproof, aluminium, white enclosure type: 4F 12 VDC, P6E (IEEE 80.2af, Klasa 3) TVS 6000 V
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio Input/Output Alarm Input/Output Alarm Input/Output Network Interface Memory Card Siot Installation parameters Dimensions (mm) Weight Degree of Protection Enclosure Power Supply Surge protection Power Consumption	yes 8 yes miror effect, vertical flip, horizontal flip up to 5 stup to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support) built-in microphone/speaker 1 (NONC/17 relay type (max. 12VDC/300mA) 1 x Ethernet - R)-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 120 (Ф) x 55 (H) 0.5 kg IP 66 (details in the user's manual) vandalproof, aluminium, white enclosure type: 4F 12 VDC, P66 (IEEE 80.3af, Klasa 3) TVS 6000 V 3 W, 5 W (IR illuminator on)
Privacy Zones Motion Detection Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio input/Output Alarm Input/Output Alarm Input/Output Network infrace Memory Card Siot Installation parameters Dimensions (mm) Weight Degree of Protection Enclosure Power Supply Surge protection	yes 8 yes miror effect, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage, playback of the audio message, push notification audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button 3 5 m yes (hardware support) built-in microphone/speaker 1 (NO/NC/IZ relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 120 (e) x 55 (H) 0.5 kg IP 66 (details in the user's manual) vandalproof, aluminium, white enclosure type: 4f 12 VDC, PGE (IEEE 802.3af, Klasa 3) TVS 6000 V 3 W.