## **NOVUS**

## **Cube IP camera**

NVIP-4Q-6101/PIR/W























## **KEY FEATURES**

- •Resolution: 4 MPX •access to the camera via the Internet thanks to P2P connectivity
  •Lens: fixed focal, f=2.1 mm/F2.1

- •two-way audio
   •D/N function IR cut filter
   •Video content analysis
- reduction of false alarms PIR detector
   microSD card support
- •WDR with double scan sensor •two-way audio
- •Min. Illumination: 0.01 lx (0 lx, IR on)
  •IR LED, range up to 10 m

## DIMENSIONS

63 mm



72 mm





The camera is dedicated to work with NOVUS 6000 series recorders. Detailed data can be found in the compatibility table available in the DOWNLOADABLE FILES tab.

_	Image	
	Image Sensor	4 MPX CMOS sensor 1/3" SmartSens
- 1	Number of Effective Pixels	2568 (H) x 1448 (V)
	Min. Illumination	0.01 lx/F2.1 - color mode,
		0 lx (IR on) - B/W mode
	Electronic Shutter	auto: 1/3 s ~ 1/100000 s
am	Digital Slow Shutter (DSS)	up to 1/3 s
	Wide Dynamic Range (WDR)	yes an an
_	Digital Noise Reduction (DNR) Highlight Compensation (HLC)	2D, 3D yes
	Back Light Compensation (BLC)	yes yes
	Reduction of image flicker (Antiflicker)	yes
	Lens	,
	Lens Type	fixed focal, f=2.1 mm/F2.1
	Day/Night	naed local, 1=2.1 mm/r 2.1
		de de laboration de la companya de l
	Mode Switching Mode	day/night switching: mechanical IR cut filter auto, manual, time
	Switching Level Adjustment	yes
	Switching Delay	2 ~ 6000 s
nks	Visible Light Sensor	yes
	Network	
		2560 x 1440 (QHD), 2304 x 1296, 1920 x 1080 (Full HD), 1280 x 720 (HD), 704 x 576, 352 x 288 (CIF), 480 x
	Stream Resolution	240
	Frame Rate	30 fps for each resolution
	Multistreaming Mode	number of streams: 2 (main stream, sub stream)
	Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
	Number of Simultaneous Connections	max. 2
	Bandwidth	12 Mb/s in total
	Network Protocols Support	HTTP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, UPnP, QoS, IEEE 802.1X, PPPoE, SMTP, P2P, HTML5, RTMP
	ONVIF Protocol Support	Profile G/S/T
	Camera Configuration	from Edge, Firefox, Chrome, Opera browser
		languages: Polish, English, Russian, and others
	Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC ipGO 6 (IPhone, Android)
	Mobile applications  WIFI	ipo e (irrione, Android)
	Network standard	IEEE802.11b, g, n
	Band	2.4GHz
	Security	WED WDA.DSVANDA2.DSV
1	Security Transmission range	WEP, WPA-PSK/WPA2-PSK
1	Security Transmission range Antenna	WEP, WPA,PSK,WPA2-PSK up to 50 m  up to 50 m
1	Transmission range Antenna	up to 50 m
1	Transmission range Antenna Video Analytics	up to 50 m built-in, omnidirectional
130	Transmission range Antenna Video Analytics Functions	up to 50 m
130 m	Transmission range Antenna Video Analytics Functions Other functions	up to 50 m built-in, omnidirectional tamper, pedestrian detection
130 mm	Transmission range Antenna Video Analytics Functions Other functions Security	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password
130 mm	Transmission range Antenna Video Analytics Functions Other functions Security Privacy Zones	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color
130 mm	Transmission range Antenna Video Analytics Functions Other functions Security	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password
130 mm	Transmission range Antenna Video Analytics Functions Other functions Security Privacy Zones Motion Detection	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes
130 mm	Transmission range Antenna Video Analytics Functions Other functions Security Privacy Zones Motion Detection PIR detector	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m
130 mm	Transmission range Antenna Video Analytics Functions Other functions Security Privacy Zones Motion Detection Pil  detector Region of interest (ROI)	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s
130 mm	Transmission range Antenna Video Analytics Functions Other functions Security Privacy Zones Motion Detection Pilk detector Region of interest (ROI) Image Processing	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback
130 mm	Transmission range Antenna Video Analytics Functions Other functions Security Privacy Zones Motion Detection Pilk detector Region of interest (ROI) Image Processing Prealamm/Postalarm System Reaction to Alarm Events	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message
130 mm	Transmission range Antenna  Video Analytics  Functions  Other functions  Security Privacy Zones Motion Detection PIR detector Region of interest (ROI) Image Processing Prealarm/Postalarm  System Reaction to Alarm Events Restoring default settings	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback
130 mm	Transmission range Antenna  Video Analytics Functions  Other functions  Security Privacy Zones Motion Detection  Pilk detector  Region of interest (ROI) Image Processing Prealamm/Postalarm System Reaction to Alarm Events  Restoring default settings  IR LED	up to 50 m built-in, omnidirectional   tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message via web browser, using reset button, via NMS IPTool software
130 mm	Transmission range Antenna  Video Analytics  Functions  Other functions  Security Privacy Zones Motion Detection PIR detector Region of interest (ROI) Image Processing Prealarm/Postalarm  System Reaction to Alarm Events Restoring default settings	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message
130 mm	Transmission range Antenna  Video Analytics Functions Other functions Security Privacy Zones Motion Detection Pilk detector Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving flie on FTP server, saving file on SD card, alarm output activation, playback of the audio message via web browser, using reset button, via NMS IPTool software
130 mm	Transmission range Antenna  Video Analytics  Functions  Security Privacy Zones Motion Detection Pill detector Region of interest (ROI) Image Processing Prealamn/Postalarm System Reaction to Alarm Events Restoring default settings  IR LED  LED Number Range	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message via web browser, using reset button, via NMS IPTool software
130 mm	Transmission range Antenna  Video Analytics  Functions  Security Privacy Zones Motion Detection Pilk detector Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings  IR LED LED Number Range Smart IR	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message via web browser, using reset button, via NMS IPTool software
130 mm	Transmission range Antenna  Video Analytics Functions  Other functions  Security Privacy Zones Motion Detection Pilk detector Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings  IR LED LED Number Range Smart IR Interfaces	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message via web browser, using reset button, via NMS IPTool software  1 10 m yes (hardware support)
130 mm	Transmission range Antenna  Video Analytics Functions Other functions  Security Privacy Zones Motion Detection PiR detector Region of interest (ROI) Image Processing Prelaamy/Postalarm System Reaction to Alarm Events Restoring default settings  IR LED LED Number Range Smart IR Interfaces Audio Input/Output	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message via web browser, using reset button, via NMS IPTool software  1 10 m yes (hardware support)  built-in microphone/speaker 1 (NONC)I relay type (max. 12VDC/300mA) 1. x Ethernet. 845 interface. 10.1000 Mbit/s
130 mm	Transmission range Antenna  Video Analytics Functions  Other functions  Security Privacy Zones Motion Detection Pilk detector Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart IR Interfaces Audio Input/Output Alarm Input/Output Alarm Input/Output Network Interface	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message via web browser, using reset button, via NMS IPTool software  1 10 m yes (hardware support)  built-in microphone/speaker 1 (NO/NC/IZ relay type (max. 12VDC/300mA) 1 x Ethermet. R145 interface, 10/100 Mbit/s 1 x Wireless (WFI)
130 mm	Transmission range Antenna  Video Analytics Functions  Other functions  Security Privacy Zones Motion Detection Pile detector Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart IR Interfaces Interfaces Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message via web browser, using reset button, via NMS IPTool software  1 10 m yes (hardware support)  built-in microphone/speaker 1 (NO/NC/I relay type (max. 12VDC/300mA) 1. **Ethernet.** Bels interface.** 10.000 Mbit/s
130 mm	Transmission range Antenna  Video Analytics Functions  Other functions  Security Privacy Zones Motion Detection Pile detector Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart IR Range Smart IR Raterias Audio Input/Output Alarm Input/Output Alarm Input/Output Network Interface Memory Card Slot Interface Interface Memory Card Slot Installation parameters	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message via web browser, using reset button, via NMS IPTool software  1 10 m yes (hardware support)  built-in microphone/speaker 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethermet - RI-45 interface, 10/100 Mbit/s 1 x Wireless (WiFi) microSD - capacity up to 128GB
130 mm	Transmission range Antenna  Video Analytics Functions  Other functions  Security Privacy Zones Motion Detection Pile detector Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart IR Interfaces Interfaces Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message via web browser, using reset button, via NMS IPTool software  1 10 m yes (hardware support)  built-in microphone/speaker 1 (NO/NC/IZ relay type (max. 12VDC/300mA) 1 x Ethermet. R145 interface, 10/100 Mbit/s 1 x Wireless (WFI)
130 mm	Transmission range Antenna  Video Analytics Functions  Other functions  Security Privacy Zones Motion Detection Pile detector Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart IR Range Smart IR Raterias Audio Input/Output Alarm Input/Output Alarm Input/Output Network Interface Memory Card Slot Interface Interface Memory Card Slot Installation parameters	up to 50 m builk-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message via web browser, using reset button, via NMS IPTool software  1 10 m yes (hardware support)  built-in microphone/speaker 1 (NO/NCV] relay type (max. 12VDC/300mA) 1 x Ethernet: Ry-45 interface, 10/100 Mbit/s 1 x Wireless (WiFi) microSD - capacity up to 128GB  63 (W) x 109 (H) x 27 (L) with bracket: 72 (W) x 130 (H) x 72 (L) 0.2 kg
130 mm	Transmission range Antenna  Video Analytics Functions  Security Privacy Zones Motion Detection  Region of interest (ROI) Image Processing Prealarm/Postalarm  System Reaction to Alarm Events Restoring default settings  IR LED  LED Number Range Smart IR Range Smart IR Range Smart IR Range Audio Input/Output Alarm Input/Output Alarm Input/Output Network Interface Memory Card Slot Installation parameters  Installation parameters  Installation parameters  Dimensions (mm)	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message via web browser, using reset button, via NMS IPTool software  1 10 m yes (hardware support)  built-in microphone/speaker 1 (NONC)/I relay type (max. 12VDC/300mA) 1 x Ethernet - R <sub>I</sub> +45 interface, 10/100 Mbit/s 1 x Wireless (Wiff) microSD - capacity up to 128GB  63 (W) x 109 (H) x 27 (L) with bracket: 72 (W) x 130 (H) x 72 (L) 0.2 kg plastic, black and white, wall mount/base in-set included
130 mm	Transmission range Antenna  Video Analytics Functions  Security Privacy Zones Motion Detection Pilk detector Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events 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	up to 50 m built-in, omnidirectional  tamper, pedestrian detection  IEEE 802.1X support, HTTPS support, MAC/IP address filtering, force change of default password 4 video mask type: single color yes range up to 5 m 8 mirror effect, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, playback of the audio message via web browser, using reset button, via NMS IPTool software  1 10 m yes (hardware support)  built-in microphone/speaker 1 (NO/NC)/I relay type (max. 12VDC/300mA) 1 x Ethernet: R-J45 interface, 10/100 Mbit/S 1 x Wireless (WiF) microSD - capacity up to 128GB  63 (W) x 109 (H) x 27 (L) with bracket: 72 (W) x 130 (H) x 72 (L) 0.2 kg

3 W, 4 W (IR illuminator on)

Operating Temperature  $-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$ 

idity max. 95%, relative (non-condensing)

The declared range of the WiFi network is based on laboratory research and relates to open spaces. It should be noted, that the materials used for the construction of houses and flats, wall thickness and electromagnetic field conditions in the immediate surroundings may affect the range of the network.