NoVus

2 MPX IP Motor-zoom Camera with video content analysis based on Deep Learning

NVIP-2VE-6502M/F





KEY FEATURES























- *Lens: motorized, auto-iris and auto-focus function, f=2.8 \sim 12 mm/F1.4
- Human/Vehicle Object Classification
- •D/N function IR cut filter
- •Video content analysis based on Deep Learning
- •microSD card support
- •WDR with double scan sensor
- •Min. Illumination: 0.003 lx (0 lx, IR on)
- •IR LED, range up to 50 m

DIMENSIONS





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	2 MPX CMOS sensor 1/2.8" SONY STARVIS
Number of Effective Pixels	1945 (H) x 1097 (V)
Min. Illumination	0.003 lx/F1.4 - color mode • 0 lx (IR on) - B/W mode
Electronic Shutter	auto/manual: 1/3 s ~ 1/100000 s
Digital Slow Shutter (DSS)	up to 1/3 s
Wide Dynamic Range (WDR)	yes (double scan sensor), 120dB
Digital Noise Reduction (DNR)	2D, 3D
Defog Function (F-DNR)	yes
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes

LENS

Lens Type	motorized, auto-iris function, f=2.8 \sim 12 mm/F1.4
Auto-focus	zoom trigger, day/night mode trigger, manual trigger

DORI

DORI (Detection, Observation,	for f = 2.8mm - D: 43.1m, O: 17.1m, R: 8.6m, I: 4.3m • for f = 12mm
Recognition, Identification)	- D: 137.5m, O: 54.6m, R: 27.5m, I: 13.8m

DAY/NIGHT

Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	2 ~ 120 s
Switching Schedule	yes
Visible Light Sensor	yes

NETWORK

NETWORK	
Stream Resolution	1920 x 1080 (Full HD), 1280 x 720 (HD), 640 x 480 (VGA), 320 x 240 (QVGA), 480 x 240
Multistreaming Mode	number of streams: 3
Video/Audio Compression	H.264, H.264+, H.264 Smart, H.265, H.265+, H.265 Smart, MJPEG/G.711





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RTCP, ICMP, Unicast, SSL/TLS	Number of Simultaneous Connection	nsmax. 10
DDNS, NTP, RTSP, UPPR, SNMP, Oos/DSCP, IEEE 802.1X, PPPOE, SMTT RTCP, ICMP, Unicast, SSL/TLS Camera Configuration from Internet Explorer browser * languages: Polish, English, Russian, and others Compatible Software NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 Mobile applications SuperLive Plus (IPhone, Android) VIDEO ANALYTICS Functions tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, face detection, pedestrian detection, cross counting, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle detection, vehicle counting OTHER FUNCTIONS Privacy Zones 4 video mask type: single color or 1 video mask type: mosaic Motion Detection yes Region of interest (ROI) 8 Image Processing 180° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction Prealarm/Postalarm up to 6 s/up to 120 s System Reaction to Alarm Events e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card Restoring default settings via web browser, using reset button, via NMS IPTool software IR LED LED Number 2 Range 50 m Angle 90° Smart IR yes (software support) INTERFACES Audio Input/Output 1 x Jack (3.5 mm)/- * built-in microphone Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s Memory Card Slot microSD - capacity up to 128GB INSTALLATION PARAMETERS Dimensions (mm) 112 (4) x 100 (H) Weight 0.7 kg Degree of Protection PP 67 (details in the user's manual) Enclosure vandalproof, IK10 impact rating, aluminium, white * enclosure type: 6VE-M Power Supply 12 VDC, PoE (IEEE 802.3af, Klasa 3) Surge protection TVS 4000 V	Bandwidth	60 Mb/s in total
and others NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000 Mobile applications SuperLive Plus (iPhone, Android) VIDEO ANALYTICS Functions tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, face detection, pedestrian detection, cross counting, scene change, video burred, video color cast, objects distinguishing, people counting, vehicle detection, vehicle counting OTHER FUNCTIONS Privacy Zones 4 video mask type: single color or 1 video mask type: mosaic Motion Detection yes Region of interest (ROI) 8 Image Processing 180° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction Prealarm/Postalarm up to 6 s/up to 120 s System Reaction to Alarm Events on 5D card Restoring default settings via web browser, using reset button, via NMS IPTool software IR LED LED Number 2 Range 50 m Angle 90° Smart IR yes (software support) INTERFACES Audio Input/Output 1 x Jack (3.5 mm)/- • built-in microphone Network Interface 1 x Ethermet - R)-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB INSTALLATION PARAMETERS Dimensions (mm) 112 (Φ) x 100 (H) Weight 0.7 kg Degree of Protection Finciosure Vox 4000 V Finciosure Vox 4000 V	Network Protocols Support	DDNS, NTP, RTSP, UPnP, SNMP, QoS/DSCP, IEEE 802.1X, PPPoE, SMTP,
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The protections tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object distinguishing, face detection, pedestrian detection, cross counting, scene change, video blurred, video color cast, object distinguishing, people counting, vehicle detection, vehicle counting **OTHER FUNCTIONS** Privacy Zones	Compatible Software	
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Angle 90° Smart IR yes (software support) INTERFACES Audio Input/Output 1 x Jack (3.5 mm)/- • built-in microphone Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s Memory Card Slot microSD - capacity up to 128GB INSTALLATION PARAMETERS Dimensions (mm) 112 (Φ) x 100 (H) Weight 0.7 kg Degree of Protection IP 67 (details in the user's manual) Enclosure vandalproof, IK10 impact rating, aluminium, white • enclosure type: 6VE-M Power Supply 12 VDC, PoE (IEEE 802.3af, Klasa 3) Surge protection TVS 4000 V	LED Number	2
Smart IR yes (software support) INTERFACES Audio Input/Output 1 x Jack (3.5 mm)/- • built-in microphone Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s Memory Card Slot microSD - capacity up to 128GB INSTALLATION PARAMETERS Dimensions (mm) 112 (Φ) x 100 (H) Weight 0.7 kg Degree of Protection IP 67 (details in the user's manual) Enclosure vandalproof, IK10 impact rating, aluminium, white • enclosure type: 6VE-M Power Supply 12 VDC, PoE (IEEE 802.3af, Klasa 3) Surge protection TVS 4000 V	Range	50 m
INTERFACES Audio Input/Output 1 x Jack (3.5 mm)/- • built-in microphone Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s Memory Card Slot microSD - capacity up to 128GB INSTALLATION PARAMETERS Dimensions (mm) 112 (Φ) x 100 (H) Weight 0.7 kg Degree of Protection IP 67 (details in the user's manual) Enclosure vandalproof, IK10 impact rating, aluminium, white • enclosure type: 6VE-M Power Supply 12 VDC, PoE (IEEE 802.3af, Klasa 3) Surge protection TVS 4000 V	Angle	90°
Audio Input/Output 1 x Jack (3.5 mm)/- • built-in microphone Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s Memory Card Slot microSD - capacity up to 128GB INSTALLATION PARAMETERS Dimensions (mm) 112 (Φ) x 100 (H) Weight 0.7 kg Degree of Protection IP 67 (details in the user's manual) Enclosure vandalproof, IK10 impact rating, aluminium, white • enclosure type: 6VE-M Power Supply 12 VDC, PoE (IEEE 802.3af, Klasa 3) Surge protection TVS 4000 V	Smart IR	yes (software support)
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Memory Card Slot microSD - capacity up to 128GB INSTALLATION PARAMETERS Dimensions (mm) 112 (Φ) x 100 (H) Weight 0.7 kg Degree of Protection IP 67 (details in the user's manual) Enclosure vandalproof, IK10 impact rating, aluminium, white • enclosure type: 6VE-M Power Supply 12 VDC, PoE (IEEE 802.3af, Klasa 3) Surge protection TVS 4000 V	Audio Input/Output	1 x Jack (3.5 mm)/- • built-in microphone
INSTALLATION PARAMETERSDimensions (mm)112 (Φ) x 100 (H)Weight0.7 kgDegree of ProtectionIP 67 (details in the user's manual)Enclosurevandalproof, IK10 impact rating, aluminium, white • enclosure type: 6VE-MPower Supply12 VDC, PoE (IEEE 802.3af, Klasa 3)Surge protectionTVS 4000 V	Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
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6VE-M Power Supply 12 VDC, PoE (IEEE 802.3af, Klasa 3) Surge protection TVS 4000 V	Degree of Protection	IP 67 (details in the user's manual)
Surge protection TVS 4000 V		1 ' 1 3'
	Power Supply	12 VDC, PoE (IEEE 802.3af, Klasa 3)
Power Consumption 6 W • 11 W (IR illuminator on)	Surge protection	TVS 4000 V
	Power Consumption	6 W • 11 W (IR illuminator on)
Operating Temperature $-30^{\circ}\text{C} \sim 60^{\circ}\text{C}$	Operating Temperature	-30°C ~ 60°C







2 MPX IP Motor-zoom Camera with video content analysis based on Deep Learning NVIP-2VE-6502M/F

Humidity

max. 95%, relative (non-condensing)

The camera creates a fully functional face recognition system when used with selected NOVUS IP 6000 series recorders (models with "F" in the name).

