NOVUS

IP Camera with video content analysis based on Deep Learning

NVIP-2V-6501/F-II





KEY FEATURES























- •Resolution: 2 MPX (Full HD)
- •Lens: fixed focal, f=2.8 mm/F1.6
- •Human/Vehicle Object Classification
- •D/N function IR cut filter
- •Video content analysis based on Deep Learning
- microSD card support
- $\bullet \mathsf{WDR} \mathsf{\ with\ double\ scan\ sensor}$
- •Min. Illumination: 0.005 lx (0 lx, IR on)
- •IR LED, range up to 30 m

COMPATIBILITY



DIMENSIONS

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

IMAGE

IMAGE	
Image Sensor	2 MPX CMOS sensor 1/2.8" SONY STARVIS
Number of Effective Pixels	1945 (H) x 1097 (V)
Min. Illumination	0.005 lx/F1.6 - 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

Long Typo	fixed focal, f=2.8 mm/F1.6	
Lens Type	lixed local, $1=2.0$ lillii/F1.0	

DAY/NIGHT

Switching Type	mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	2 ~ 120 s
Switching Schedule	yes
Visible Light Sensor	ves

NETWORK

NEIWORK	
Stream Resolution	1920 x 1080 (Full HD), 1280 x 720 (HD), 640 x 480 (VGA), 320 x 240 (QVGA), 480 x 240
Frame Rate	30 fps for 1920 x 1080 (Full HD) and lower resolutions
Multistreaming Mode	3 streams
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
Number of Simultaneous Conne	ectionsmax. 10
Bandwidth	30 Mb/s in total
Network Protocols Support	HTTP, IPv4, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, ICMP, HTML5, RTMP







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Camera Configuration	from Internet Explorer, Edge, Firefox, Chrome, Opera browser • languages: Polish, English, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000
Mobile applications	SuperLive Plus (iPhone, Android)
OTHER FUNCTIONS	
Privacy Zones	4 video mask type: single color or 4 video mask type: mosaic
Motion Detection	yes
Region of interest (ROI)	8
Video Content Analysis (VCA)	tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, multi loiter, face detection, detection of people not wearing masks, pedestrian detection, cross counting, heat map, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle detection, vehicle counting, intrusion detection
Image Processing	90° image rotation, 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	30 m
Smart IR	yes (software support)
INTERFACES	
Audio Input/Output	1 x Jack (3.5 mm)/- • built-in microphone
Alarm Input/Output	
	1 (NO/NC)/1 relay type (max. 12VDC/300mA)
Network Interface	1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Network Interface Memory Card Slot	
	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Memory Card Slot	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Memory Card Slot INSTALLATION PARAMETERS	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm)	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 119 (Φ) x 87.8 (H)
Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 119 (Φ) x 87.8 (H) 0.65 kg
Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 119 (Φ) x 87.8 (H) 0.65 kg IP 67 (details in the user's manual)
Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 119 (Φ) x 87.8 (H) 0.65 kg IP 67 (details in the user's manual) vandalproof IK10 impact rating aluminium, white
Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 119 (Φ) x 87.8 (H) 0.65 kg IP 67 (details in the user's manual) vandalproof IK10 impact rating aluminium, white 12 VDC, PoE (IEEE 802.3af, Class 3)
Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply Surge protection	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB 119 (Φ) x 87.8 (H) 0.65 kg IP 67 (details in the user's manual) vandalproof IK10 impact rating aluminium, white 12 VDC, PoE (IEEE 802.3af, Class 3) TVS 4000 V

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



