

5 MPX Dual IP Camera (Thermal/Visual)

NVIP-5VE-6711/TA/3-II



6000 VSS
IP

KEY FEATURES



- Resolution: 5 MPX
- Lens: fixed focal, f=4 mm/F1.6
- lens: thermal fixed focal length, f=3.2 mm/F1.1
- thermo dual vision - function allowing to overlay a thermal image on the video image
- D/N function - IR cut filter
- Video content analysis based on Deep Learning
- microSD card support
- WDR with double scan sensor
- Temperature Measurement
- Temperature Alarm
- Ability to observe in total darkness
- two-way audio
- Min. Illumination: 0.02 lx (0 lx, IR on)
- IR LED, range up to 30 m

COMPLIANCE



DIMENSIONS

The camera is dedicated to work with NOVUS 6000 series recorders with software version newer or equal to 1.4.7 (does not apply to PoE ports). Detailed data can be found in the compatibility table available in the **DOWNLOADABLE FILES** tab.

IMAGE - THERMAL MODULE

Image Sensor	Uncooled FPA Microbolometer
Number of Effective Pixels	256 (H) x 192 (V)
Pixel Size	12 μm
Spectral Range	8 - 14 μm
Thermal Sensitivity	50 mK
Thermovision Modes	White Hot, Black Hot, Rainbow, Iron Oxide Red, Lava Color
Detection Temperature Range	-20°C ~ 150°C

LENS - THERMAL MODULE

Lens Type	fixed focal length, f=3.2 mm/F1.1
Object Detection Range	133m - people , 409m - vehicles
Object Recognition Range	33m - human , 102m - vehicle

IMAGE

Image Sensor	5 MPX CMOS sensor 1/2.7" OmniVision
Number of Effective Pixels	2688 (H) x 1944 (V)
Min. Illumination	0.02 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

Lens Type	fixed focal, f=4 mm/F1.6
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DAY/NIGHT

Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time

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Switching Level Adjustment	yes
Switching Delay	2 ~ 120 s
Visible Light Sensor	yes

NETWORK

Stream Resolution	2560 x 1440 (QHD), 2592 x 1520, 2592 x 1944, 2304 x 1296, 1920 x 1080 (Full HD), 1280 x 720 (HD), 704 x 576, 352 x 288 (CIF), 480 x 240 • for thermal module: 1280 x 720, 704 x 576, 480 x 240, 352 x 288 (CIF)
Frame Rate	30 fps for each resolution
Multistreaming Mode	number of streams: 4 (main stream, sub stream, third stream, thermal main)
Video/Audio Compression	H.264, H.265, MJPEG/G.711
Number of Simultaneous Connections	max. 5 connections, (max. 10 streams in total)
Bandwidth	61 Mb/s in total
Network Protocols Support	HTTP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, HTML5, HTTP POST
ONVIF Protocol Support	Profile G/S/T
Camera Configuration	from 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	ipGO 6 (iPhone, Android)

VIDEO ANALYTICS

Functions	tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, loiter, cross counting, scene change, video blurred, video color cast, intrusion detection, illegal parking detection • for thermal module: line cross, intrusion detection, zone entrance, zone exit, fire detection, temperature measurement
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OTHER FUNCTIONS

Temperature Measurement	yes
Temperature Alarm	yes - for thermal module
Temperature Measurement Zones	10 - for thermal module polygon, line, point
Temperature Measurement Accuracy	from +/- 2°C to +/- 8°C *
Privacy Zones	4 video mask type: single color
Motion Detection	yes
Region of interest (ROI)	8
Audio Detection	decline detection, rise detection
Image Processing	sharpening, vertical flip, horizontal flip, lens distortion correction
Prealarm/Postalarm	up to 6 s/up to 120 s
System Reaction to Alarm Events	e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, active deterrent functions
Determent	white LEDs, flashing light, • built-in speaker (predefined or custom voice messages)
Restoring default settings	via web browser, using reset button, via NMS IPTool software

IR LED

LED Number	2
Range	30 m

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Smart IR yes (hardware support)

WHITE LIGHT ILLUMINATOR

LED Number 1, warm white color

INTERFACES

Audio Input/Output 1 x Jack (3.5 mm)/- • built-in microphone/speaker

Alarm Input/Output 1 (NO/NC)/1 relay type (max. 12VDC/300mA)

Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s

Memory Card Slot microSD - capacity up to 256GB

INSTALLATION PARAMETERS

Dimensions (mm) 112 (Φ) x 100 (H)

Weight 0.7 kg

Degree of Protection IP 66 (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, Class 3)

Surge protection TVS 4000 V

Power Consumption 3 W • 5 W (IR illuminator on) • 6 W (active deterrence functions enabled) • 8 W (IR illuminator and active deterrence functions enabled)

Operating Temperature -30°C ~ 60°C

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

**The highest temperature measurement accuracy is achieved under laboratory conditions. In measurements performed in environments where various factors may affect the results, it is recommended to assume lower accuracy (i.e., greater permissible deviations).*