

5 MPX Dual IP Camera (Thermal/Visual)

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



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
- Temperature Measurement - Thermal Module.
- Temperature Alarm - Thermal Module
- Ability to observe in total darkness - Thermal Module
- 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 ~ 550°C

LENS - THERMAL MODULE

Lens Type	fixed focal length, f=3.2 mm/F1.1
DRI (Detection, Recognition, Identification)	people: D - 133m, R - 33m, I - 17m • vehicles: D - 409m, R - 102m, I - 51m

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
Digital Noise Reduction (DNR)	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
Switching Level Adjustment	yes
Switching Delay	2 ~ 120 s

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Switching Schedule yes

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 • for the thermal imaging module: 25 fps for all resolutions

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. 10 connections, (max. 10 streams in total)

Bitrate for H.264 : 64 kbps - 8192 kbps • for H.265 : 64 kbps - 8192 kbps

Network Protocols Support HTTP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, HTML5, RTMP, HTTP POST

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

OTHER FUNCTIONS

Temperature Measurement yes

Temperature Alarm yes - for thermal module

Temperature Measurement Zones 10 - for thermal module polygon, line, point

Temperature Measurement Accuracy $\pm 2^{\circ}\text{C}$ to $\pm 8^{\circ}\text{C}$ * for the temperature range: from -20 to 150°C

Security video encryption, configuration encryption, IEEE 802.1X support, HTTPS support, Basic authorization for HTTP/RTSP, Digest authorization for HTTP/RTSP, IP and/or MAC address filtering, force change of default password

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, HTTP notification, playback of the audio message, 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

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IR LED

LED Number	2
Range	30 m
Smart IR	yes (hardware support)

WHITE LIGHT ILLUMINATOR

LED Number	1, warm white color
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INTERFACES

Audio Input/Output	1 x Jack (3.5 mm)/1 x Jack (3.5 mm) • built-in 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	5 W • 10 W (IR illuminator on) • 7 W (active deterrence functions enabled) • 12 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).*