



5 MPX Dual IP Camera (Thermal/Visual)

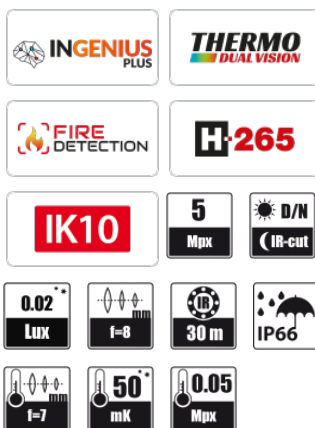
NVIP-5VE-6711/TA/7-II



6000

VSS
PROJECT

FUNCTIONS



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	-20°C ~ 150°C
Lens - Thermal Module	
Lens Type	fixed focal length, f=7 mm/F1.0
Image	
Image Sensor	5 MPX CMOS sensor 1/2.7" OmniVision
Number of Effective Pixels	2688 (H) x 1944 (V)
Min. Illumination	0.03 lx/F2.0 - 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=8 mm/F2.0
DORI	
DORI (Detection, Recognition, Identification)	human: D: 292m, R: 73m, I: 36m vehicle: D: 894m, R: 224m, I: 112m
Day/Night	
Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
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
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: auto tracking, abandoned object, object disappearance, line cross, line cross detection and object tracking, double line cross
Other functions	
Temperature Measurement	yes
Temperature Alarm	yes - for thermal module
Temperature Measurement Zones	10 - for thermal module polygon, line, point
Temperature Measurement Accuracy	+/- 2°C
Privacy Zones	4 video mask type: single color
Motion Detection	yes
Region of interest (ROI)	8
Audio Detection	yes
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
Deterrent	white LEDs, flashing light, built-in speaker (predefined or custom voice messages)

COMPLIANCE



KEY FEATURES

- Resolution: 5 MPX
- Lens: fixed focal, f=8 mm/F2.0
- lens: thermal fixed focal length, f=7 mm/F1.0
- 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: 0.03 lx (0 lx, IR on)
- IR LED, range up to 30 m

DIMENSIONS



100 mm

112 mm (Ø)



Restoring default settings	via web browser, using reset button, via NMS IPTool software
IR LED	
LED Number	2
Range	30 m
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 (Ø) 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)