

Dual IP camera (thermal/optical) with body temperature measuring feature

NVIP-2H-8912M/TS

8000 VSS PROJECT



KEY FEATURES



- Resolution: 2 MPX (Full HD)
- Lens: motorized, auto-iris and auto-focus function, f=2.7 ~ 12 mm/F1.6 ~ 2.9
- lens: thermal fixed focal length, f=8 mm/F1.0
- face detection and body temperature measuring with $\pm 0.3^{\circ}\text{C}$ accuracy - thermovision module
- D/N function - IR cut filter
- Video content analysis
- Temperature Alarm
- Ability to observe in total darkness - Thermal Module

DIMENSIONS



- up to 16 people simultaneous measurement within less than 1s
- measuring accuracy up to $\pm 0.3^{\circ}\text{C}$
- breducing number of false alarms thanks to VCA - the measurment is limited to detected face only
- measured temperature value is assigned to specific person, captured image and temperature value are both stored in a databse in order to carry out further analysis

NOTICE: The camera is a part of the set [NVIP-2H-8912M/TS SET](#) and cannot be purchased separately.

IMAGE - THERMAL MODULE

Image Sensor	Uncooled FPA Microbolometer
Number of Effective Pixels	400 (H) x 300 (V)
Pixel Size	17 μm
Spectral Range	8 - 14 μm
Thermal Sensitivity	40 mK
Thermovision Modes	White Hot, Black Hot, Rainbow, Ironbow, HSV, Autumn, Bone, Cool, Copper, Fire Hot, Pink, Spring, Summer, Winter, Jet, Flame, Rosebengal
Detection Temperature Range	-20 $^{\circ}\text{C}$ ~ 60 $^{\circ}\text{C}$

LENS - THERMAL MODULE

Lens Type	fixed focal length, f=8 mm/F1.0
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IMAGE

Image Sensor	2 MPX CMOS sensor 1/1.9" SONY
Number of Effective Pixels	1945 (H) x 1097 (V)
Min. Illumination	0.02 lx/F1.6 - color mode • 0.002 lx/F1.6 - B/W mode
S/N Ratio	> 55 dB (AGC off)
Electronic Shutter	auto: 1/5 s ~ 1/20000 s
Wide Dynamic Range (WDR)	yes (double scan sensor), 120dB
Digital Image Stabilization (DIS)	yes
Digital Noise Reduction (DNR)	2D, 3D
Defog Function (F-DNR)	yes
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes

LENS

Lens Type	motorized, auto-iris function, f=2.7 ~ 12 mm/F1.6 ~ F2.9
Auto-focus	zoom trigger, day/night mode trigger, manual trigger

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DAY/NIGHT

Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Schedule	yes

NETWORK

Stream Resolution	1920 x 1080 (Full HD), 1280 x 720 (HD), 704 x 576, 704 x 480, 640 x 480 (VGA), 640 x 360, 352 x 288 (CIF), 352 x 240, 320 x 240 (QVGA), 176 x 144 (QCIF) • for thermal module: 704 x 576, 352 x 288 (CIF)
Frame Rate	30 fps for • 25 fps for
Multistreaming Mode	number of streams: 2
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, DHCP, DNS, RTSP, RTP, PPPoE, SMTP, RTCP
Camera Configuration	from Internet Explorer browser • languages: Polish, English, Russian, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, N Control 8000

VIDEO ANALYTICS

Functions	abandoned object, object disappearance, line cross, zone entrance, double line cross, face detection, human body temperature measuring
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OTHER FUNCTIONS

Temperature Measurement	yes
Temperature Alarm	yes
Temperature Measurement Accuracy	+/- 0.3°C - przy zastosowaniu urządzenia kalibrującego NV-BBU
Privacy Zones	5
Motion Detection	yes

INTERFACES

Audio Input/Output	1 x RCA/1 x RCA
Alarm Input/Output	2 (NO/NC)/2
RS-485	yes
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s

INSTALLATION PARAMETERS

Dimensions (mm)	182 (W) x 136 (H) x 212 (L)
Weight	2 kg
Degree of Protection	IP 66 (details in the user's manual)
Enclosure	aluminium, white • Enclosure type: 8S1
Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)
Power Consumption	10 W
Operating Temperature	-30°C ~ 60°C
Humidity	max. 90%, relative (non-condensing)