

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

**NVIP-2H-8912M/TS**



## 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 +/- 0.3°C accuracy - thermovision module
- D/N function - IR cut filter
- Video content analysis
- Temperature Alarm
- Ability to observe in total darkness - Thermal Module

- up to 16 people simultaneous measurement within less than 1s
- measuring accuracy up to +/- 0,3 ° 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 database 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      | -20°C ~ 60°C  |

## LENS - THERMAL MODULE

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

## 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     |

## DIMENSIONS



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### DAY/NIGHT

|                            |                          |
|----------------------------|--------------------------|
| Switching Type             | 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 visual module • 25 fps for thermal module  |
| 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 |
|-----------|--|

### OTHER FUNCTIONS

|                                  |   |
|----------------------------------|---|
| Temperature Measurement          | yes   |
| Temperature Alarm                | yes   |
| Temperature Measurement Accuracy | +/- 0.3°C - with NV-BBU calibration unit deployed in a system |
| 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)    |