2 MPX Dual IP Camera (Thermal/Visual)

NVIP-2DQ-8303/T



KEY FEATURES

- •Resolution: 2 MPX
- •Lens: fixed focal, f=2.3 mm/F2.2
- •lens: thermal fixed focal length, f=2.0 mm/F1.1
- •thermo dual vision - function allowing to overlay a thermal image on the video image
- •D/N function - electronic
- •Video content analysis based on Deep Learning
- •microSD card support
- •WDR with double scan sensor
- •Temperature Measurment - Thermal Module.
- •Temperature Alarm - Thermal Module
- •Ability to observe in total darkness - Thermal Module
- •Min. Illumination from 0.005 lx
- •white LED illuminator, range up to 1 m

COMPLIANCE

DIMENSIONS

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	60 mK
Thermovision Modes	White Hot, Black Hot, Rainbow, HSV, Autumn, Bone, Cool, Copper, Fire Hot, Pink, Spring, Summer, Winter, Jet, Flame, Rosebengal, Iron Oxide Red, Lava Color
Detection Temperature Range	-20°C ~ 150°C
Digital Noise Reduction (DNR)	2D, 3D

LENS - THERMAL MODULE

Lens Type	fixed focal length, f=2 mm/F1.1

IMAGE

Image Sensor	2 MPX CMOS sensor 1/2.8" SONY STARVIS
Min. Illumination	0.05 lx/F2.2 - color mode • 0.005 lx/F2.2 - B/W mode
Electronic Shutter	auto/manual: 1/5 s ~ 1/20000 s
Digital Slow Shutter (DSS)	up to 1/5 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

LENS

Lens Type	fixed focal, f=2.3 mm/F2.2

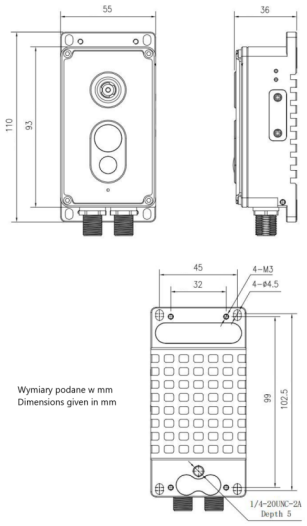
DAY/NIGHT

Mode	electronic D/N function
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	0 ~ 180 s

NETWORK

Stream Resolution	1600 x 1200 (UXGA), 1280 x 720 (HD), 720 x 576 (D1), 640 x 480 (VGA), 640 x 360, 352 x 288 (CIF), 320 x 240 (QVGA) • for thermal module: 720 x 576 (D1), 352 x 288 (CIF), 256x192
Frame Rate	30 fps for each resolution

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Multistreaming Mode	number of streams: 4
Video/Audio Compression	H.264, H.265, MJPEG/G.711, RAW_PCM
Number of Simultaneous Connections	max. 10
Bitrate	for H.264 : 10 kbps - 8000 kbps • for H.265 : 10 kbps - 8000 kbps
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, HTML5
Communication protocols support	MODBUS
ONVIF Protocol Support	Profile G/S/T/M
Camera Configuration	from Edge, Firefox, Chrome, Opera browser • languages: Polish, English, and others

VIDEO ANALYTICS

Functions	line cross, zone entrance, zone exit, zone violation, double line cross, multi loiter, wrong direction, objects distinguishing, people counting, smoker detection, fire detection, smoke detection, smart motion detection with objects distinguishing

OTHER FUNCTIONS

Temperature Measurement	yes
Temperature Alarm	yes - for thermal module
Temperature Measurement Zones	20 - for thermal module polygon, line, point
Temperature Measurement Accuracy	+-2°C / +-2%
Security	IEEE 802.1X support, HTTPS support, IP and/or MAC address filtering, force change of default password
Privacy Zones	4 video mask type: single color
Motion Detection	yes
Audio Detection	decline detection, rise detection
Image Processing	vertical flip, horizontal flip
Prealarm/Postalarm	up to 6 s/up to 86400 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,
Restoring default settings	via web browser, using reset button

WHITE LIGHT ILLUMINATOR

LED Number	1, neutral white color

INTERFACES

Audio Input/Output	built-in microphone
Alarm Input/Output	1 (NO/NC)/1 relay type (max. 12VDC/300mA)
Control Input/Output	RS-232, RS-485
RS-485	yes
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Memory Card Slot	microSD - capacity up to 512GB

INSTALLATION PARAMETERS

Dimensions (mm)	cable lenght - 0.5 m
Weight	0.4 kg
Degree of Protection	IP 67 (details in the user's manual)

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Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3) • (100 ~ 230 VAC/12 VDC PSU inset included)
Surge protection	TVS 6000 V
Power Consumption	3 W
Operating Temperature	-30°C ~ 60°C
Humidity	max. 90%, relative (non-condensing)