

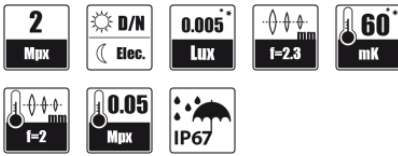
2 MPX Dual IP Camera (Thermal/Visual)

NVIP-2DQ-8301/T

8000 VSS PROJECT



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
- microSD card support
- WDR with double scan sensor
- Temperature Measurement - Thermal Module.
- Temperature Alarm - Thermal Module
- Ability to observe in total darkness - Thermal Module
- Min. Illumination from 0.009 lx

DIMENSIONS

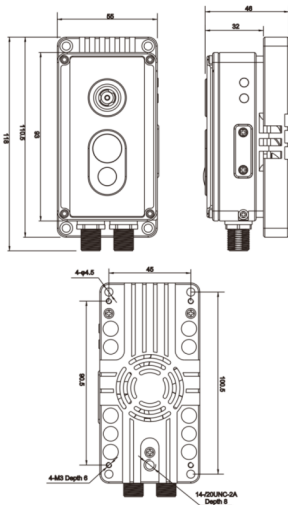


IMAGE - THERMAL MODULE

Image Sensor	Uncooled FPA Microbolometer
Number of Effective Pixels	256 (H) x 192 (V)
Pixel Size	12 μ m
Spectral Range	8 - 14 μ m
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	0.09 lx/F2.2 - color mode • 0.009 lx/F2.2 - B/W mode
S/N Ratio	> 55 dB (AGC off)
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 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 fixed focal, $f=2.3$ mm/F2.2

DAY/NIGHT

Mode	electronic D/N function
Switching Mode	manual, time

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), 176 x 144 (QCIF) • for thermal module: 720 x 576 (D1), 352 x 288 (CIF)
Frame Rate	30 fps for each resolution

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Multistreaming Mode	number of streams: 5
Video/Audio Compression	H.264, H.265, MJPEG/-
Number of Simultaneous Connections	max. 5 connections, (max. 8 streams in total)
Bandwidth	65 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, FTP, DHCP, DDNS, NTP, RTSP, RTP, SNMP, QoS, IEEE 802.1X, PPPoE, SMTP, RTCP, HTML5
Camera Configuration	from Edge, Firefox, Chrome, Opera browser • languages: Polish, English, and others

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, IP and/or MAC address filtering
Privacy Zones	8 video mask type: single color
Motion Detection	yes
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
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INTERFACES

Alarm Input/Output	1 (NO/NC)/1 relay type (max. 12VDC/300mA)
Control Input/Output	RS-232
RS-485	yes
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Memory Card Slot	microSD - capacity up to 256GB

INSTALLATION PARAMETERS

Dimensions (mm)	cable lenght - 0.5 m
Weight	0.6 kg
Degree of Protection	IP 67 (details in the user's manual)
Power Supply	10 ~ 30 VDC, PoE (IEEE 802.3af, Class 3) • (100 ~ 230 VAC/12 VDC PSU in-set included)
Power Consumption	5.5 W
Operating Temperature	-30°C ~ 60°C
Humidity	max. 90%, relative (non-condensing)
Built-in Heater/Fan	no/yes