

Thermal IP Bullet Camera

NVIP-H-8021/T

8000

VSS
PROJECT



KEY FEATURES



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- lens: thermal fixed focal length, $f=25\text{ mm}/F1.0$
- Video content analysis
- SD card support
- Temperature Measurement
- Temperature Alarm
- Ability to observe in total darkness

DIMENSIONS



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	-40°C ~ 150°C

LENS - THERMAL MODULE

Lens Type	fixed focal length, $f=25\text{ mm}/F1.0$
Object Detection Range	735m - people , 2255m - vehicles
Object Recognition Range	184m - human , 564m - vehicle

IMAGE

Digital Noise Reduction (DNR)	2D, 3D
Defog Function (F-DNR)	yes

NETWORK

Stream Resolution	704 x 576, 704 x 480, 352 x 288 (CIF), 352 x 240
Frame Rate	25 fps for • 30 fps for and lower resolutions
Multistreaming Mode	number of streams: 2
Video/Audio Compression	H.264, H.264 Smart, H.265, H.265 Smart, MJPEG/G.711, RAW_PCM
Number of Simultaneous Connections	max. 8
Bandwidth	15 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, RTSP, RTP, PPPoE, SMTP, RTCP, Unicast
ONVIF Protocol Support	Profile S
Camera Configuration	from Internet Explorer browser • languages: Polish, English, Russian, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS

VIDEO ANALYTICS

Functions	abandoned object, object disappearance, line cross, zone entrance, double line cross
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OTHER FUNCTIONS

Temperature Measurement	yes
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Temperature Alarm	yes
Temperature Measurement Zones	19 polygon, line, point
Privacy Zones	5
Motion Detection	yes
Image Processing	180° image rotation, mirror effect
Prealarm/Postalarm	up to 5 MB/up to 86400 s
System Reaction to Alarm Events	e-mail, saving file on FTP server, saving file on SD card, alarm output activation

INTERFACES

Video Output	BNC, 1.0 Vp-p, 75 Ohm - maintenance only
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
Memory Card Slot	SD - capacity up to 128GB

INSTALLATION PARAMETERS

Dimensions (mm)	with bracket: 110 (Φ) x 388 (L)
Weight	1.9 kg
Degree of Protection	IP 66 (details in the user's manual)
Enclosure	aluminium, white, fully cable managed wall mount bracket in-set included
Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)
Surge protection	TVS 4000 V
Power Consumption	6 W
Operating Temperature	-40°C ~ 60°C
Humidity	max. 90%, relative (non-condensing)

The above data applies to cameras with firmware v3.6.0825.1004.89.0.29.3.4