Stilsoft
Russian developer and manufacturer of complex security systems

SDP-8615M

Thermal imaging camera

STVF.426459.162

PURPOSE

SDP-8615M Thermal imaging camera is designed for professional 24/7 thermographic surveillance of large open spaces in a wide range of weather conditions.

FIELDS OF APPLICATION

- professional video surveillance and automatic detection systems
- as part of integrated facility security systems

VERSION

- high-efficiency microbolometer-based uncooled camera enclosed in a shock-resistant, vandal-proof hermetic enclosure
- construction supports mounting on a PTZ unit together with a long-range video camera
- recommended mast height 5-30 m

FEATURES

- continuous video surveillance in total darkness without additional lighting equipment
- ensuring clear imaging due to high sensitivity uncooled detector

PECULIARITIES

- spectral filtering of microbolometer matrix sensitivity
- remote control of thermal imager via network interface

SCOPE OF SUPPLY

Name	Quantity
✓ SDP-8615M Thermal imaging camera	1 pc.
✓ Mounting parts set including:	1 set
– Washer 6 65G 016 GOST 6402-70	4 pcs.
– Washer C. 6.01.10.016 GOST 11371-78	4 pcs.
– Bolt with cylindrical head and hexagonal socket DIN 912 M6x10 A2	4 pcs.
– Ziplock gripper bag	1 pc.
✓ Passport	1 pc.
✓ Operating guidelines*	–
* The operating guidelines are supplied in a single copy when shipped with a batch of products or as part of a system. For single deliveries, the operating guidelines are supplied for each unit. Operating guidelines available at: http://stilsoft.ru	

RELIABILITY AND WARRANTY

- Warranty operating period – 2 years.
- Assigned operating period – 8 years.

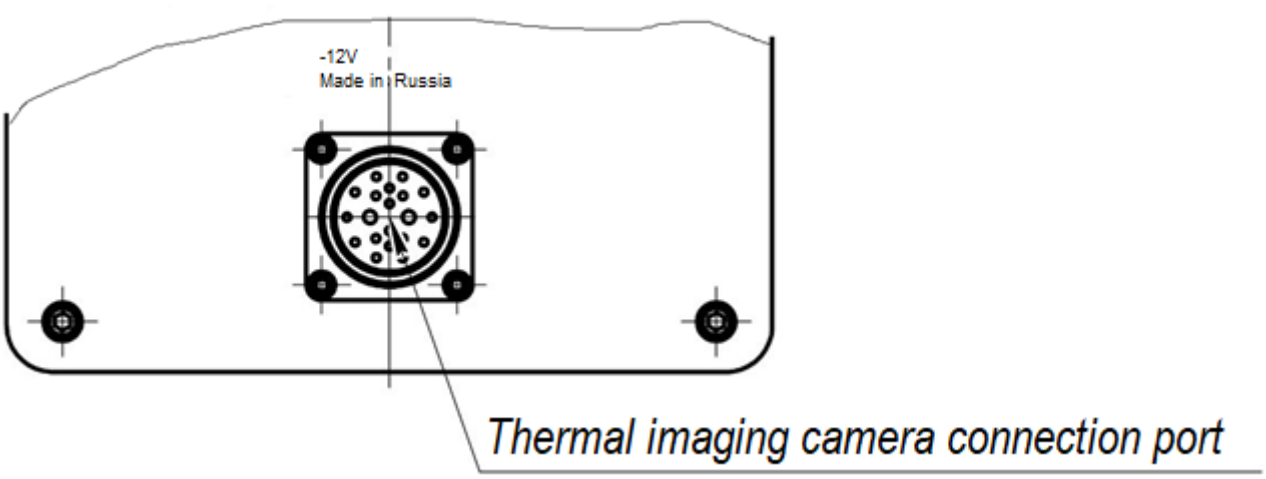
TECHNICAL PARAMETERS

Parameter name	Value
Detector	Uncooled microbolometer matrix
Spectral range, µm	8-14
Video resolution	640x480
Frame rate, Hz	25
Pixel size, mkm	25
Matrix resource, h	25000
Digital zoom	up to 8x
Optics	Crystal germanium lens with antireflection coatings
Lens	Motorized
Minimal focal length, m	1
Minimal observation distance, m	50
Lens focal length, mm	150F1
Field of view, °	13,7x10,3
Target detection distance, meters (maximum): – vehicle-type – human-type	 7900 4000
Target recognition distance, meters (maximum): – vehicle-type – human-type	 5300 3000
Compression standard	MPEG-4, MJPEG
Continuous operation time, h (minimum)	2900
Time of setting of operation mode, min (maximum)	5
Mode control	Palette (black and white, inverted black and white)
Network interface	10BaseT/100BaseTX Ethernet (RJ-45)
Threshold sensitivity to temperature difference, °C	0,1

Parameter name	Value
Color shade deviation from actual value, °C	±1
Acceptable dead pixels, % (maximum)	1
Supply voltage of direct current, V	12±10%
Power consumption, W (maximum)	9,5
Operating temperature range, °C	-40 to +50
Overall dimensions, mm (maximum)	480x210x202
Weight, kg (maximum)	10

CONNECTION

Connecting the thermal imaging camera to SDP-881 PTZ unit



Connection is made with a specialized cable to the connector located on the back of the case.

Connector pin designation:

Contact pin #	Pin designation
1	«Rx+»
2	«Rx–»
3	GND
5	«+12V»
19	«Tx+»
20	«Tx–»

Authorization data:

IP address	172.16.16.20
Login	root
Password	pass

Developed and produced in Russia

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