

SDP-8610M

IP-thermal imaging camera



STVF.426459.029

PURPOSE

SDP-8610M IP-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 Pan/tilt unit together with a long-range video camera
- recommended mast height 8-30 m

FEATURES

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

PECULIARITIES

- adaptive system of automatic image brightness and contrast correction improving the IP thermal imager's detection capabilities and enhancing the representativity of the acquired image
- remote control of thermal imager via network interface

SCOPE OF SUPPLY

Name	Quantity
✓ SDP-8610M IP-thermal imaging camera	1 pc.
✓ Mounting set including:	1 set
– Washer A6 A2 DIN 125	4 pcs.
– Washer MI 6 A2 DIN 7980	4 pcs.
– Countersunk head screw DIN965, M6x14	4 pcs.
– Nut M6 A2 DIN934	4 pcs.
– Mounting plate	1 pc.
– ZipLock bag 6x8 cm	1 pc.
✓ Passport	1 copy
✓ 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

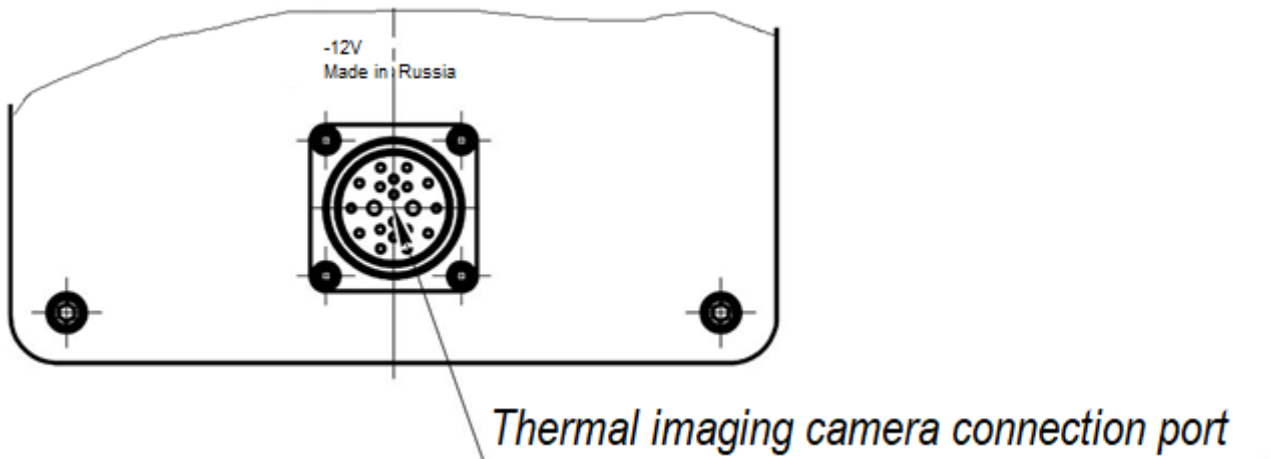
- Warranty operating period – 2 years.
- Assigned operating period – 10 years.

TECHNICAL CHARACTERISTICS

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	30000
Digital zoom	up to 8x
Optics	Crystal germanium lens with antireflection coatings
Lens	Motorized
Lens focal length, mm	100 F1
Field of view angle, $^{\circ}$	6,2
Focus range, m	from 5 to infinity
Compression standard	H.264, 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), NUC
Network interface	10BaseT/100BaseTX Ethernet (RJ-45)
Threshold sensitivity to temperature difference, $^{\circ}\text{C}$	0,1
Color shade deviation from actual value, $^{\circ}\text{C}$	± 1
Acceptable dead pixels, % (maximum)	1
Supply voltage of direct current, V	12
Power consumption, W (maximum)	9,5
Operating temperature range, $^{\circ}\text{C}$	from -40 to +50
Overall dimensions, mm (maximum)	443x162x148
Weight, kg (maximum)	10

CONNECTION

Connecting the IP-thermal imaging camera to SDP-881 Pan/tilt unit



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

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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