

SDP-3675

Video thermal imaging module



STVF.426459.177

PURPOSE

SDP-3675 Video thermal imaging module is designed for professional 24/7 surveillance in the visible and thermal range 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

- video module with variofocal lens and high-efficiency microbolometer-based uncooled camera enclosed in a shock-resistant, vandal-proof hermetic enclosure
- video module matrix is equipped with a mechanical IR filter
- recommended mast height 5-15 m

FEATURES

- continuous video surveillance in the visible and thermal range, also 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-3675 Video thermal imaging module	1 pc.
✓ Mounting set including:	1 set
– Cable connector SF1210/S4 (4 pins)	1 pc.
– 8P8C connector	1 pc.
– Plug CGRRJ-00BMMA-SL7005	1 pc.
– Washer C. 6.01.10.016 GOST 11371-78	4 pcs.
– Washer 6 65G 016 GOST 6402-70	4 pcs.
– Bolt M6-6g x 30.48.016 GOST 7805-70	4 pcs.
– Ziplock bag	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 – 8 years (minimum).

TECHNICAL CHARACTERISTICS

Parameter name	Value
Detector	Uncooled microbolometer matrix
Video resolution, pix	640x480
Frame rate, Hz	25
Pixel size, mkm	25
Lens	Motorized
Lens focal length, mm	75
Field of view angle, °	8x6
Video signal standard	Composite, PAL
Mode control	Palette (black and white, inverted black and white), NUC
Polarity image	Hot black/ white hot
Noise suppression	Yes
Quality improvement	Yes
Threshold sensitivity to temperature difference, °C	0,1
Color shade deviation from actual value, °C	±1
Acceptable dead pixels, % (maximum)	1
Matrix	1/1.9" Sony Exmor CMOS Sensor
Video resolution, pix	1920x1080
Sensitivity at aperture F1.6, Lux	Color. – 0,05, B/w – 0,005
Lens	Variofocal
Focal length, mm	6,6-300

Parameter name	Value
Aperture variation range	F1,4 –F4,5
Viewing angle, °	56–1,8
Day/night mode	Mechanical IR filter with scheduled/alarm/auto switching
Electronic shutter speed, s	1-1/100000
Image compression	H.265/H.264/H.264H/MJPEG
Dynamic noise reduction (DNR)	Yes (2D, 3D)
Wide dynamic range	Yes (120Db)
Image settings	Brightness and contrast, rotation mode
Back light compensation (BLC)	Yes, adjustable zone
Control	StilVL
Network interface	1 RJ45 10M/100M Ethernet-port
Time of setting of operation mode, min (maximum)	5
DC power supply voltage, V	12
Power consumption, W (maximum) <ul style="list-style-type: none"> – thermal imaging module, – video module (with IR filter on), – built-in heating 	4,5 6 (9) 15
Operating temperature range, °C	from –40 to +50
Overall dimensions, mm	433x300x210
Weight, kg (maximum)	15

CONNECTION

Default settings

	Thermal imaging module	Video module
Login	root	admin
Password	pass	12345
IP address	172.16.16.20	172.16.16.15
Subnet mask	255.255.255.0	



Developed and produced in Russia

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