

SDP-881

Pan-tilt unit



STVF.426459.078

PURPOSE

SDP-881 pan-tilt unit with built-in telemetry receiver is designed for mounting and positioning a long-range optical zoom camera and thermal imaging camera.

FIELDS OF APPLICATION

- professional video surveillance systems
- as part of integrated facility security systems
- as part of MUROM, MUROM-P, MUROM VK, SCORPIO and SCORPIO-P systems

VERSION

- enclosed in a moisture-proof casing
- equipped with a quick-release plate for mounting the video camera and thermal imaging camera

FEATURES

- dual-coordinate video camera positioning
- changing video camera angle and focus
- area scanning at a preset speed
- pointing the video camera together with the thermal imaging camera at pre-set points
- map geolocation positioning
- control of pan-tilt, video camera lens, video camera casing heating and thermal imaging camera via Ethernet interface

PECULIARITIES

- high positioning accuracy
- quick standby capability through the quick-release plate with premounted video camera and thermal imaging camera
- pan-tilt unit self-diagnostics on power-up

SCOPE OF SUPPLY

Name	Quantity
✓ SDP-881 pan-tilt unit	1 pc.
✓ Mounting set, including:	1 set
✓ Nut M10 A2 GOST 5915	4 pcs.
– Washer M10 A2 GOST 11371-78	8 pcs.
– Screw M10x40 A2 GOST 7805-70	4 pcs.
– Washer 10 65G 016 GOST 6402-70	4 pcs.
– Ziplock bag	1 pc.
– "SDP-88x Device Configurator"* Software	1 pc.
✓ Passport	1 copy
✓ Operating guidelines**	–
✓ SDP-881 pan-tilt unit	1 pc.
* Supplied on a DVD disc.	
** 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 are available at: http://stilsoft.ru	

RELIABILITY AND WARRANTY

- Warranty operation period - 2 years.
- Assigned operation period - 7 years.

TECHNICAL PARAMETERS

Parameter name	Quantity
Horizontal viewing angle, deg.	360
Vertical viewing angle, deg.	±45
Turning speed, deg/sec:	
– horizontally	0,01-30
– - vertically	0,01-15
Positioning accuracy, deg.	0,5
Number of preset positions	30
Control interface	Ethernet 100Mbit/s
GPS antenna availability	Yes
DC output voltage, V	24±10%, 12±10%
Operating mode	continuous
Protection against external influences	IP66
DC power supply voltage, V	24
Maximal current consumption, A (maximum):	
– without payload (video camera, thermal imaging camera, STS-507 and BRDM)	4,5
– with payload connected	6,2

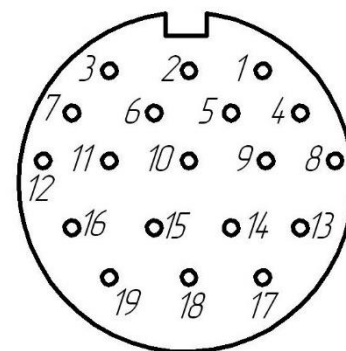
Parameter name	Quantity
Current consumption in power saving mode, A (maximum)	0,6
Maximum load, kg	50
Operating temperature range, °C	from -40 to +50
Overall dimensions, mm (maximum)	459x456x233
Weight, kg (maximum)	25

CONNECTION

Connector pin designation for the long-range video camera connection

# cont.	Designation
1	ZOOM +
2	ZOOM -
3	FOCUS +
4	FOCUS -
5	General
6	FIN
7	ZIN
8	+3,3B
9	Rx+
10	Rx-

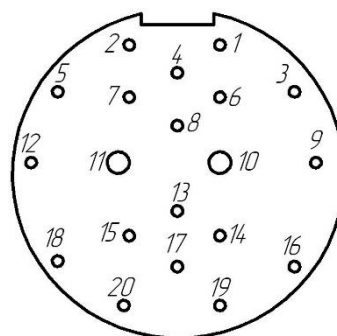
# cont.	Designation
11	-24V
12	+24V
13	GND
14	-12V
15	+12V
16	Tx+
17	AUX1 - (Heating)
18	AUX1 + (Heating)
19	Tx-



Contact 13 is not active

Pin designation of thermal imaging camera connection

# cont.	Designation
1	«Rx+»
2	«Rx-»
3	AUX3-
5	AUX3+
19	«Tx+»
20	«Tx-»



Contacts 4, 6-18 are not active

Connector pin designations for connecting devices

# cont.	Designation
1	+24V
2	-24V
3	Tx+
4	Tx-
5	Rx+
6	Rx-

Contact 7 is not active

Default settings

IP address	172.16.16.220
Login	root
Password	pass



Developed and manufactured in Russia

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