

DVS-881 PAN AND TILT UNIT



Purpose

Pan and tilt unit DVS-881 with inbuilt signal receiver is intended to hold long-range video camera with optical zoom and thermal imaging camera. DVS-881 provides two-dimensional remote control at adjustable speed of its position and is applied to change video camera view angle and zoom.

DVS-881 is incorporated in a water-resistant housing and supplied with 433 MHz and Wi-Fi antennas.

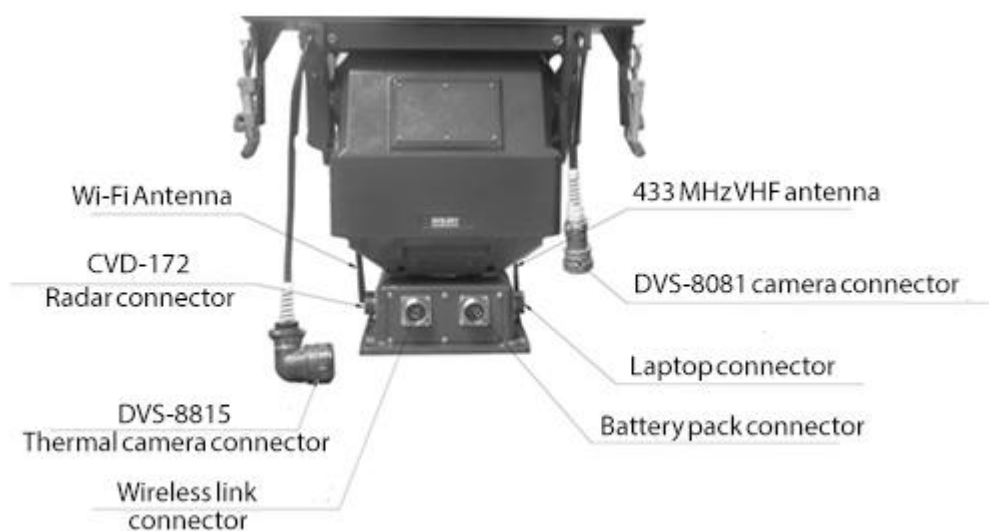
DVS-881 position, camera lens and internal heating control is performed over Ethernet line. DVS-881 pinpoints camera to the target with high accuracy, cues the camera to preset positions to scan the area at specified speed (up to 30 presets). High-precision motors inside the pan-and-tilt unit adjust horizontal and vertical position.

DVS-881 is included in the scope of supply of such Stilsoft systems as «Centaur» standalone mobile video surveillance and thermal imaging system, «Scorpio» off-road vehicle-based standalone portable video surveillance and thermal imaging system and «Centaur-K» off-road heavy-duty truck -based surveillance system. DVS-881 pan-and-tilt unit is applied with long-range camera and thermal-imaging camera for 24/7 surveillance over larger open spaces, sea areas, remote sites and state borders.

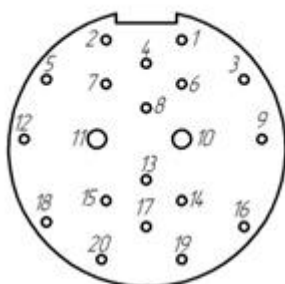
Technical specification

Parameter	Value
Pan Range, degr.	360
Tilt Range, degr.	±45
Pan Speed Range, degr /sec.	0,01-30
Tilt Speed Range, degr /sec.	0,01-15
Accuracy, degr.	0,5
Number of presets, pcs.	80
Base connectors	Ethernet 10Mbit/sec WiFi: IEEE 802.11 b/g/n
Video inputs, pcs.	2
AUX outputs, pcs.	2
Output voltage, V	12±10%
Operation	Continuous
Operating temperatures, °C	from -40 to +65
Ingress protection	IP-66
DC input voltage, V	24±10%
Current consumption, not more, A	2,5
Current consumption in power saving mode, not more, A	0,6
Max load, kg	50
Overall dimensions, not more, mm	206x345x390
Weight, not more, kg	19

Connection DVS-881



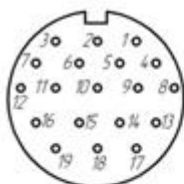
Connector pin assignment for thermal camera connection (plug 2PMDT36KYH20III6B1)



№	Purpose
1	Video
2	General video
3	GND
4	+12V
5	RS-232 General
6	Rx(ARS-485)
7	Tx(BRS-485)

Other pins are not used

Connector pin assignment for camera connection (plug 2PMDT27KPH19III5B1)



№	Legend	Wire
1	ZOOM+	Dark blue
2	ZOOM-	Light blue
3	FOCUS+	Dark green
4	FOCUS-	Light green
5	General (-5V, -12V)	Black thin Black thick
6	DF	Purple
7	DZ	White
8	+5V	Red thin
9	Not used	Not used
10	Not used	Not used
11	+24V	Yellow
12	-24V	Yellow
13	Video general	Video general
14	Video	Video center
15	+12V	Red thick
16	AUX4	White-blue
17	AUX1	Orange
18	AUX1	Orange
19	AUX4	Blue

Connector pin assignment for other devices

№	Purpose
1	+ 24V
2	- 24V
3	Rx-
4	Rx+
5	Tx-
6	Tx+

Pin 7 is not used

Settings on default

IP-address 1: 172.16.16.20

IP- address 2: 172.16.16.21

login: root

password: pass