

1. Name

SDP-8083 Long Range Video Camera

2. The image



3. Purpose

SDP-8083 long range video camera is intended to arrange video surveillance systems.

Structurally, long range video camera is implemented in sealed protective casing, and is equipped with intelligent heating system.

The long range video camera is equipped with a motorized lens with focal length from 15 mm to 360 mm.

The long range video camera is installed on pan/tilt unit together with thermal imaging camera.

4. Scope of Application

SDP-8083 video camera is used to arrange professional video surveillance systems and allows for round-the-clock monitoring of large open spaces, offshore zones, long-distance facilities, and the State borders.

SDP-8083 long range video camera is a part of MUROM, SCORPIO and AVANPOST systems developed by Stilsoft.

5. Specifications

| Characteristic | Value |
|-----------------------------|--|
| Camera | |
| Matrix | 1/1.8" CMOS |
| Sensor resolution, pixels | 2592x1944 |
| Sensitivity, lux | (COLOR) - 0.01 / F1.2, (B&W) - 0.001 / F1.2 |
| Lens attachment type | C/CS |
| Electronic shutter speed, s | 1-1/50.000 |
| Day/Night mode | Mechanical IR filter with auto switch function |
| Wide dynamic range (WDR) | Available (120dB) |
| 3D noise reduction (DNR) | Available (3D) |
| Lens | |
| Lens | Motorized zoom |
| Focal length, mm | from 15 to 360 |
| Aperture range (F-stop) | 2.7 - 500 |

| Characteristic | Value |
|-------------------------------------|---|
| Compression standard | |
| Compression format | H.264 |
| Transmission rate | 200Kb/s - 12MB/s |
| General | |
| Minimum surveillance range, min., m | 50 |
| Target detection range, up to, m | |
| – of "human" type | 10000 |
| – of "vehicle" type | 10000 |
| Target recognition range, up to, m | |
| – of "human" type | 8000 |
| – of "vehicle" type | 10000 |
| DC power voltage, V | |
| – of video camera | 12±10% |
| – of additional heating | 24±10% |
| Power consumption, W | |
| – of video camera | 6 (max. 9 W with IR filter switched on) |
| – of built-in heating | 30 |
| Operation mode | Continuous |
| Operating temperature range, °C | from -40 to +50 |
| Overall dimensions, max., mm | 586x186x166 |
| Weight, max., kg | 11 |

6. Connection

Video camera connector contacts assignment:

| Cont. No. | Designation |
|-----------|--------------------|
| 1 | ZOOM + |
| 2 | ZOOM - |
| 3 | FOCUS + |
| 4 | FOCUS - |
| 5 | Common (-5V, -12V) |
| 6 | DF |
| 7 | DZ |
| 8 | +5V |
| 9 | Rx+ |
| 10 | Rx- |
| 11 | +24V |
| 12 | -24V |
| 15 | +12V |
| 16 | Tx+ |
| 17 | AUX1 (Heating) |
| 18 | AUX1 (Heating) |
| 19 | Tx- |

Contacts 13,14 – not used.