SP40 HD IP series - UL range

PTZ camera station, ordinary location

Overview

The Oxalis SP40 is a PTZ camera station for use in onshore, offshore, marine and heavy industrial environments.

The camera housings are designed specifically for the Americas markets or where UL ordinary location standards have been specified.

The base unit carries dual NPT cable entries with easy access for cable termination during installation as standard, maximising compatibility and ease of use with existing installations.

Our camera stations are designed and manufactured for longevity in harsh environments, require minimal maintenance and are fully certified by UL to UL standards.

See separate datasheets for other global certification ranges.

Features

- Electro-polished 316L stainless steel on all welded assemblies
- Camera station window in toughened glass
- Pole or wall mounting options (see separate datasheets)
- NPT entries as standard
- Various camera module options
- Options also available for IP, analogue, hybrid, IP over Coax and direct fibre out* - see specific datasheet
- Supply voltage options (24 VAC, 110 or 230 VAC, 50/60Hz)
- -58°F to +158°F* operating temperature
- IP66/67

*Model dependent
**Specification**

**Features**
- **Sun shield**: Standard stainless steel 316L mirror finish
- **Integral wiper**: Optional (silicone wiper blades that are resistant and do not perish after long exposure to ozone, UV, ice, snow, heat or cold)
- **Integral dimmer**: Standard
- **Telemetry receiver**: Integral - Pelco D standard protocol (others to specification)
- **Rotation**: Continuous pan or 360° rotation (+/- 175° from straight ahead)

**Power consumption**

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Power consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920x1080 @60fps</td>
<td>85W maximum (143W with low temperature operation)</td>
</tr>
</tbody>
</table>

**Min. illumination**

- Color: 0.3Lux (1/30sec, F1.6, 50IRE), B/W: 0.03Lux (1/30sec, F1.6)
- Color: 0.5 lux at 30 IRE F1.6, B/W: 0.04 lux at 30 IRE F1.6

**Streaming**

- Progressive scan CMOS 1/2.8" 1920x1080 30fps

**Electrical**

- **Supply voltage options**: 24 VAC, 110 or 230 VAC, 50/60Hz
- **Power consumption**: 85W maximum (143W with low temperature operation)
- **Electrical connections**: Terminal block for power, data and video specific to camera configuration

**Mechanical**

- **Body material**: Electro-polished 316L stainless steel on all welded assemblies
- **Fixings material**: A4 stainless steel
- **Camera station window**: Toughened glass
- **Mounting options**: Pole or wall (see separate datasheets)
- **Operating temperature**: From -58˚F to +158˚F (model dependent)
- **Weight**: Up to 75lb depending on configuration

**Camera options**

- **30x zoom HD IP camera**
  - **Image sensor**: 1/2.8” Exmor CMOS
  - **Resolution**: 1920x1080 @60fps to 320x180
  - **Lens**: 30x zoom 4.3-129mm F1.6 to F5.05, Angle of View 59° - 4°, 12X digital zoom, auto focus, auto iris
  - **Min. illumination**: 0.05 Lux @ (F1.6, AGC ON) B/W: 0.01Lux @ (F1.6, AGC ON)
  - **Streaming**: Dual streams in H.264 and motion JPEG, VBR/CBR
  - **Features**: ONVIF Profile S, IPv4/IPv6, Keyboard control, FTP, RTSP, ICMP, HTTP, RTSP, PPPoE, SMTP, SNTP, DNS, HTTPS, IPv6

- **20x zoom HD IP camera**
  - **Image sensor**: 1/2.8” CMOS
  - **Resolution**: 1920x1080 @60fps to 352x240
  - **Lens**: 20x zoom 4.7-94mm F1.6 to F3.5, Angle of View 65.7° - 2.3°, 12X digital zoom, auto focus, auto iris
  - **Min. illumination**: 0.05 Lux @ (F1.6, AGC ON) B/W: 0.01Lux @ (F1.6, AGC ON)
  - **Streaming**: Dual streams in H.264 and motion JPEG, VBR/CBR
  - **Features**: ONVIF Profile S, IPv4/IPv6, Keyboard control, FTP, RTSP, ICMP, HTTP, RTSP, PPPoE, SMTP, SNTP, DNS, HTTPS, IPv6

- **32x zoom HD IP camera**
  - **Image sensor**: 1/2.8” CMOS
  - **Resolution**: 1920x1080 @60fps to 320x180
  - **Lens**: 32x optical digital zoom 4.44-142.6 mm F1.6 to F4.4, horizontal angle of view 61.4° - 2.2°, 12X digital zoom, auto focus, auto iris
  - **Min. illumination**: 0.05Lux @ (F1.6, AGC ON) B/W: 0.01Lux @ (F1.6, AGC ON)
  - **Streaming**: Dual streams in H.264 and motion JPEG, VBR/CBR
  - **Features**: ONVIF Profile S, IPv4/IPv6, Keyboard control, FTP, RTSP, ICMP, HTTP, RTSP, PPPoE, SMTP, SNTP, DNS, HTTPS, IPv6

**General arrangement drawing**

(dimensions in inches and mm)

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.88</td>
<td>480</td>
</tr>
<tr>
<td>16.69</td>
<td>424</td>
</tr>
<tr>
<td>Ø8.27</td>
<td>Ø210</td>
</tr>
<tr>
<td>Ø7.17</td>
<td>Ø182</td>
</tr>
<tr>
<td>Ø0.43</td>
<td>Ø11</td>
</tr>
</tbody>
</table>

**DSOU0044/D 07/17**
### Ordering requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

#### Supply voltage
- **24 VAC ±10% 50/60 Hz**
- **110 VAC ±10% 50/60 Hz**
- **230 VAC ±10% 50/60 Hz**
- **Special - price on application**

#### Transmission type
- **Standard electrical**
- **Simplex singlemode 9/125μm**
- **Simplex multimode 50/125μm**
- **Ethernet**
- **IP over coax**
- **Customer specific fibre transmission device**

#### Temperature type
- **-4˚F to +158˚F**
- **-58˚F to +158˚F**
- **-4˚F to +122˚F**
- **-58˚F to +122˚F**

#### Protocol requirements
- **Pelco D protocol, baud rate 2400bps**
- **Special - price on application**

#### Camera rotation
- **Continuous rotation**
- **Pan rotation restriction to +/- 175˚**

#### Wiper options
- **Integral wiper with switched 24VAC for external washer pump**
- **No wiper**

#### Video type
- **HD IP system**

#### Day/night module
- **30x zoom HD IP camera**
- **18x zoom HD IP camera**
- **20x zoom HD IP camera**
- **32x zoom HD IP camera**
- **30x zoom 2.1MP network camera**
- **Customer specific camera**

#### Thermal core module
- **No thermal core**

#### Thermal core lens
- **No thermal imaging lens**

#### Housing type
- **Visual camera housing**

#### Video system
- **IP**

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**Code**

- SP40
- V
- E
- N
- I
- B
- H
- D
- E
- F
- G
- H
- 1
- 2
- 3
- 4
- 5
- S
- P
- C
- 0
- 1
- 2
- 3
- 4
- 5
- 9
- B
- C

**Certification**

- **UL listed**

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**Ordering Reference:** DSOU0044/D 07/17