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

The camera stations are designed for longevity in harsh environments with minimal maintenance.

Features

- Electro-polished 316L stainless steel on all welded assemblies
- Camera station window in toughened glass
- Pole or wall mounting options (see separate datasheets)
- Supply voltage options (24 VAC, 110 or 230 VAC, 50/60Hz)
- Operating temperature -60°C to +70°C*
- 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 demister**: Standard
- **Washer systems**: Compatible with Oxalis SW Washer tanks (see separate datasheets)
- **Pan speed (maximum)**: 45° per second
- **Tilt speed (maximum)**: 24° per second
- **Pre-set positional accuracy**: 64 presets: positional accuracy ±0.1°
- **Telemetry receiver**: Integral - pelco-D
- **Rotation**: Continuous pan or 350° rotation (±175° from straight ahead)
- **IP direct fibre out**: Optional media converter, Simplex Singlemode 9/125um or Multimode 50/125um, 10/100Mbs Ethernet, IEEE 802.3
- **IP over coax**: Optional integrated IP ethernet-over-coax converter (must be used with compatible Rx equipment)

**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
- **Cable entry**: Two M20 entries located in base

**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 -60°C to +70°C (model dependent)
- **Weight**: Up to 34Kg depending on configuration
- **Type approval**: DNVGL-0339, 2016 (copper transmission only)
- **Ingress protection rating**: IP66/67

**Camera options**

<table>
<thead>
<tr>
<th>30x zoom 1080p network camera</th>
<th>20x zoom 1080p network camera</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Image sensor</strong></td>
<td>1/2.8” Exmor CMOS</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>1920x1080 @ 60fps to 352x240</td>
</tr>
<tr>
<td><strong>Lens</strong></td>
<td>30x zoom 4.3-129 mm F1.6 to F4.7, horizontal angle of view 67.7° - 2.3°, 12X digital zoom, auto focus, auto iris</td>
</tr>
<tr>
<td><strong>Min. Illumination</strong></td>
<td>Color: 0.05Lux @ (F1.6, AGC ON) B/W: 0.01Lux @ (F1.6, AGC ON)</td>
</tr>
<tr>
<td><strong>Streaming</strong></td>
<td>20x zoom 4.7-94mm F1.6 to F3.5, angle of view 61.4° - 2.9°, 10X digital zoom, auto focus, auto iris</td>
</tr>
<tr>
<td><strong>Features</strong></td>
<td>AGC, AE, AWB, TDN, DNR, BLC, ACCE, DSS, WDR, EIS, defog, OSD</td>
</tr>
<tr>
<td><strong>Standards protocols</strong></td>
<td>ONVIF Profile S, PSIA - IPv4, UDP, TCP, UCP, HTTP, HTTPS, IGMPv* (multicast), DHCP, FTP, RTP, RTSP, SNTP, SMTP, UPnP, DDNS, WS-Discovery, zero configuration</td>
</tr>
<tr>
<td><strong>3x Q1765 network camera</strong></td>
<td>32x SNZ-6320 HD IP camera</td>
</tr>
<tr>
<td><strong>Image sensor</strong></td>
<td>Progressive scan CMOS 1/2.8”</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>1920x1080 (HDTV 1080p) to 320x180</td>
</tr>
<tr>
<td><strong>Lens</strong></td>
<td>18x zoom 4.7-84.6 mm F1.6 to F2.8, angle of view 59° - 4°, 12X digital zoom, auto focus, auto iris</td>
</tr>
<tr>
<td><strong>Min. Illumination</strong></td>
<td>Color: 0.05lux at 30 IRE F1.6, B/W: 0.04 lux at 30 IRE F1.6</td>
</tr>
<tr>
<td><strong>Streaming</strong></td>
<td>Multiple, individually configurable streams in H.264 and motion JPEG, VBR/CBR</td>
</tr>
<tr>
<td><strong>Features</strong></td>
<td>BLC, AGC, AWB, WDR, OSD, day &amp; night auto/colour / BW (IR-Cut filter removable)</td>
</tr>
<tr>
<td><strong>Standards protocols</strong></td>
<td>ONVIF, PSIA, CGI - TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, IPv4, IPv6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>30x zoom 2.1MP network camera</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Image Sensor</strong></td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
</tr>
<tr>
<td><strong>Lens</strong></td>
</tr>
<tr>
<td><strong>Min. Illumination</strong></td>
</tr>
<tr>
<td><strong>Streaming</strong></td>
</tr>
<tr>
<td><strong>Features</strong></td>
</tr>
<tr>
<td><strong>Standards Protocols</strong></td>
</tr>
</tbody>
</table>

**General arrangement drawing**

*General arrangement drawing (all dimensions in mm)*

2 CABLE ENTRIES M20 x 1.5

[Diagram image]

**Notes**

- Standards Protocols: DNVGL-0339, 2016 (copper transmission only)
- Compatible with Oxalis SW Washer tanks (see separate datasheets)
- Streaming: Two M20 entries located in base
- Camera station window: Toughened glass
- Mounting options: Pole or wall (see separate datasheets)
- Operating temperature: From -60°C to +70°C (model dependent)
- Weight: Up to 34Kg depending on configuration
- Ingress protection rating: IP66/67
- Camera options: 30x zoom 1080p network camera, 20x zoom 1080p network camera, 3x Q1765 network camera, 30x zoom 2.1MP network camera

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**Standards protocols**

- ONVIF Profile S, PSIA - IPv4, UDP, TCP, UCP, HTTP, HTTPS, IGMPv* (multicast), DHCP, FTP, RTP, RTSP, SNTP, SMTP, UPnP, DDNS, WS-Discovery, zero configuration
- Standards protocols: ONVIF, PSIA, CGI - TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, IPv4, IPv6

**Features**

- BLC, AGC, AWB, WDR, OSD, day & night auto/colour / BW (IR-Cut filter removable)

**Specifications**

- Resolution: 1920x1080 (HDTV 1080p) to 320x180
- Lens: 30x zoom 4.3-129mm F1.6 to F5.05, Angle of View 65.1° - 2.34°, 10X digital zoom, Auto Focus, Auto Iris
- Min. Illumination: Color: 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: BLC, AGC, AWB, WDR, OSD, Day & Night Auto/Colour / BW (IR-Cut Filter Removable)
### 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.

<table>
<thead>
<tr>
<th>Component</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing type</td>
<td>V</td>
</tr>
<tr>
<td>Video type</td>
<td>I</td>
</tr>
<tr>
<td>Thermal core module</td>
<td>N</td>
</tr>
<tr>
<td>Thermal core lens</td>
<td>N</td>
</tr>
<tr>
<td>Day/night module</td>
<td>C</td>
</tr>
<tr>
<td>Wiper options</td>
<td>E</td>
</tr>
<tr>
<td>Supply voltage</td>
<td>1</td>
</tr>
<tr>
<td>Transmission type</td>
<td>3</td>
</tr>
<tr>
<td>Temperature type</td>
<td>A</td>
</tr>
<tr>
<td>Certification</td>
<td>N</td>
</tr>
<tr>
<td>Protocol requirements</td>
<td>D</td>
</tr>
<tr>
<td>Camera rotation</td>
<td>1</td>
</tr>
<tr>
<td>Video system</td>
<td>1</td>
</tr>
<tr>
<td>SP40</td>
<td></td>
</tr>
</tbody>
</table>

#### Technical Specifications

- **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
  - Simplex multimode
  - 9/125μm ethernet
  - 50/125μm ethernet
  - IP over coax
  - Customer specific fiber transmission device

- **Temperature type**
  - -20°C to +70°C*
  - -40°C to +70°C*
  - -40°C to +60°C
  - -60°C to +40°C

- **Certification**
  - No Ex certification required

- **Protocol requirements**
  - Pelco D protocol, baud rate 2400bps

- **Camera rotation**
  - Continuous rotation
  - Pan rotation restriction to +/- 175°

- **Video type**
  - HD IP system

- **Day/night module**
  - 30x zoom 1080p network camera
  - 18x Q1765 network camera
  - 20x zoom 1080p network camera
  - 32x zoom HD IP camera
  - 30x zoom 2.1MP network camera
  - Customer specific camera

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

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

- **Video system**
  - IP

*Subject to configuration restrictions