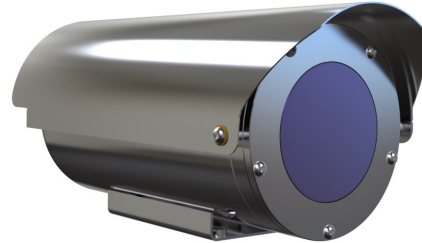


# SF26 thermal image analogue series - UL range

Fixed camera station,  
ordinary location



## Overview

The Oxalis SF26 thermal imager is a fixed camera housing for use in onshore, offshore, marine and heavy industrial environments where thermal imaging is required for specific process or security applications.

The camera housings are designed specifically for the Americas markets or where UL ordinary location standards have been specified. As a result they utilise NPT entries as standard to maximise compatibility with existing installations.

Our camera stations are designed and manufactured for longevity in harsh environments, require minimal maintenance and are fully certified 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
- 3 different size lens options
- 4 resolution/frequency rating options
- 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
- -58°F to +158°F\* operating temperature
- IP66/67

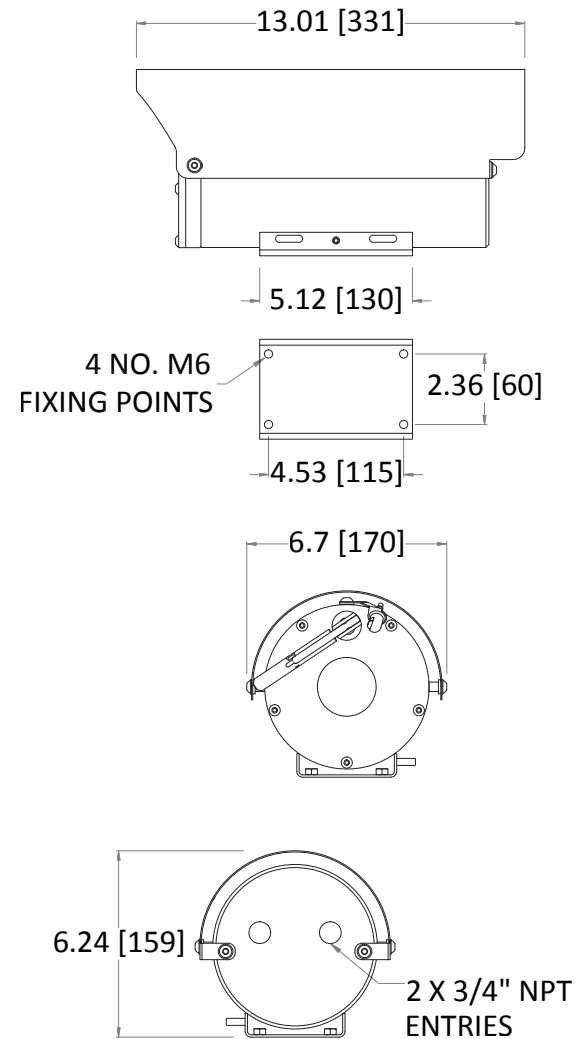
\*Model dependent



## Specifications

Features	
<b>Sun shield</b>	Standard stainless steel 316L mirror finish
<b>Integral wiper</b>	Optional (silicone wiper blades that are resistant and do not perish after long exposure to ozone, UV, ice, snow, heat or cold)
<b>Integral demister</b>	Standard
<b>Washer systems</b>	Compatible with Oxalis SW washer tanks (see separate datasheets)
<b>Telemetry receiver</b>	Integral - Pelco D, P standard protocols (others to specification)
Electrical	
<b>Supply voltage options</b>	24 VAC, 50/60Hz
<b>Power consumption</b>	17W maximum (45W with low temperature operation)
<b>Electrical connections</b>	Terminal block for power, data and video specific to camera configuration
<b>Cable entry</b>	2 x 3/4" NPT located in rear flange
Mechanical	
<b>Body material</b>	Electro-polished 316L stainless steel on all welded assemblies
<b>Fixings material</b>	A4 stainless steel
<b>Camera station window</b>	Internal AR and external carbon coated germanium Ø50 mm
<b>Mounting options</b>	Pole or wall (see separate datasheets)
<b>Operating temperature</b>	From -58°F to +158°F (model dependent)
<b>Weight (lb)</b>	Up to 18lb depending on configuration
<b>Ingress protection rating</b>	IP66/67
<b>Type approval</b>	DNV 2.4 2006 ABCD (copper transmission only)
Thermal core module options	
<b>T320 7.5-8.3Hz</b>	Uncooled VOx microbolometer thermal imaging camera, including TCI Interface PCB for functionality over standard RS485 protocol Commands. 324 x 256 resolution, 25µm pixel size, 7.5Hz NTSC/8.3Hz PAL exportable frame rate, digital detail enhancement
<b>T640 7.5-8.3Hz</b>	Uncooled VOx microbolometer thermal imaging camera, including TCI Interface PCB for functionality over standard RS485 protocol Commands. 640 x 512 resolution (PAL), 17µ pixel size, 7.5Hz NTSC/8.3Hz PAL exportable frame rate, digital detail enhancement
<b>T320 25-30Hz</b>	Uncooled VOx microbolometer thermal imaging camera, including TCI Interface PCB for functionality over standard RS485 protocol Commands. 324 x 256 resolution, 25µ pixel size, 30Hz NTSC/25Hz PAL frame rate, digital detail enhancement. Subject to export restrictions and licensing
<b>T640 25-30Hz</b>	Uncooled VOx microbolometer thermal imaging camera, including TCI Interface PCB for functionality over standard RS485 protocol Commands. 640 x 512 resolution (PAL), 17µ pixel size, 30Hz NTSC/25Hz PAL frame rate, digital detail enhancement. Subject to export restrictions and licensing
Thermal core lens options	
<b>19mm lens</b>	FoV 24° x 18° (324 x 256) / FoV 32° x 26° (640 x 512). Detection of object 4m x 1.5m: 1280m (324 x 256) / 1550m (640 x 512)
<b>25mm lens</b>	FoV 18° x 14° (324 x 256) / FoV 25° x 20° (640 x 512). Detection of object 4m x 1.5m: 1650m (324 x 256) / 2200m (640 x 512)
<b>35mm lens</b>	FoV 13° x 10° (324 x 256) / FoV 18° x 14° (640 x 512). Detection of object 4m x 1.5m: 2250m (324 x 256) / 3000m (640 x 512)

## General arrangement drawing (dimensions in inches and mm)



# 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

SF26														
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**Housing type** Code  
Thermal imaging housing with 90mm germanium window T

**Transmission type** Code  
Standard electrical 0  
Customer specific transmission device C

**Wiper options** Code  
Integral wiper switched 24VAC for external washer pump E  
No wiper N

**Temperature type** Code  
-4°F to +158°F E  
-58°F to +158°F F  
-4°F to +122°F G  
-58°F to +122°F H

**Video type** Code  
Analogue video A

**Certification** Code  
UL listed P

**Day/night module** Code  
No D/N camera fitted N

**Protocol requirements** Code  
Pelco D protocol, baud rate 2400bps D  
Pelco P protocol, baud rate 4800bps P  
Vicon protocol, baud rate 4800bps V  
HERNIS™ protocol H  
Coe protocol C  
Special - price on application S  
No control protocol required N

**Thermal core module** Code  
T320 7.5-8.3Hz 1  
T640 7.5-8.3Hz 2  
T320 25-30Hz 3  
T640 25-30Hz 4  
Customer specific thermal camera C

**Camera rotation** Code  
Not applicable N

**Thermal core lens** Code  
19mm lens 1  
25mm lens 2  
35mm lens 3  
Customer specific thermal imaging lens C

**Supply voltage** Code  
24 VAC ±10% 50/60 Hz 1  
Special - price on application S

**Video system** Code  
PAL P  
NTSC N