

# OSIRIS Searcher

## Long range surveillance platform

The Osiris Searcher is a ready to go surveillance system which is perfect for long range surveillance applications. Mounted on the harmonic drive Osiris PT platform, the cameras are able to scan the targets with pin point accuracy.

The Osiris Searcher is offered with both a proven Hi-res 640x480 DRS, 17µm V0x thermal module twinned with either an SD or HD video camera. Both thermal and video cameras feature powerful optical zoom lens allowing the operator to both detect and then zoom into the area of interest. Both thermal and video outputs are provided simultaneously, ensuring nothing is missed.

The robust aluminium housings are rated to IP67 and are anodised and powder coated to withstand harsh environmental conditions. Optical encoders ensure positional accuracy and are allied to a self-correction system that will automatically keep the cameras in the desired position. The harmonic drive train is virtually zero backlash eliminating image bounce as the camera pan between presets.

The unit provides absolute positioning feedback so it can be easily integrated into a larger security infrastructure and combined with radar or other detection systems.

### Key features

- HD or SD video camera
- 500mm (HD) or 528mm (SD) zoom lens
- Hi-Res 640 Resolution Thermal Imaging Camera
- 25 - 225mm Thermal zoom lens
- IP and HD-SDI output options
- IP67 environmental protection
- 45 degrees per second pan speed
- Self correction positioning system
- Proportionate speed control
- Virtually zero backlash harmonic drive
- Flexible mounting options
- User friendly OSD menu structure
- Optical encoders
- Fully cable managed solution
- Optional heater for extra low temperature operation



### The Silent Sentinel Range

Silent Sentinel offer an extensive range of camera and lens configurations to meet your exact surveillance requirements.

Contact customer service for more information on our full range of products and bespoke design and build services.

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[www.silentsentinel.com](http://www.silentsentinel.com)



OCULUS



AERON



OSIRIS



JAEGAR

## Osiris standard and HD video range

Video type	SD	HD
Optical zoom	33x	33x
Digital Enlargement	N/A	N/A
Image Sensors	1/2" CCD	1/3" CMOS 2.1MP
Resolution	560TVL	800TVL
Signal System	PAL	HD-SDI + VBS PAL
Lens (wide to tele)	F=16mm to 528mm F2.4 to F3.60	F=15mm to 500mm F1.6 to F3.60
Angle of view - horizontal	22° (W) to 0.7° (T)	31° (W) to 1.6° (T)
Minimum illumination (SOIRE)	0.9lux Colour, 0.008lux Mono	0.2lux Colour, 0.02lux Mono
Video output	Composite	HD-SDI

## Osiris thermal range

Video type	Thermal
Sensor type	Uncooled VOx Microbolometer
Pixel size	17µ
Spectral band	8-14µm
Thermal sensitivity	<50mK
Array format	640x480
Frames rates	9Hz, 25Hz
Image control	White hot, Black hot, Invert
Focus	Fixed, preset, Athermalised
Optical zoom	10x
FOV	2.8° - 24.5° 25-225mm f/1.5
Video Output	Composite

## PTZ - Unit

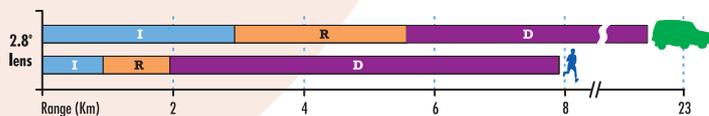
IP rating	IP67
Actuation	Pan and tilt stepper motors
Position encoders	Optical encoders on pan and tilt motors
Repeatability	0.09°
Pan rotation	360° continuous
Pan speed	0.02 -> 45°/Sec*
Tilt speed	0.02 -> 45°/Sec*
Tilt range	+90° to -90°
Temperature range	-30°C (-22°F) up to +65°C (149°F) [-40°C (-40°F) with optional heater]
Power	28 - 32VDC 5.0Amps
Housing material	Cast aluminium
Housing finish	Epoxy powder finish
Fixings material	Stainless Steel
Additional features	Focal length dependent speed control Equipped with external fall protection *Subject to payload

## Telemetry

Presets	127
Protocols	Pelco D, SSP
Parameter programming	Via RS485 or RS422
Privacy zones	4
Compass heading	Cardinal point and/or degrees
Additional features	Programmable text within picture (camera identification) Camera body parameter control (RS232 or RS485) TCP/IP prepared

## Detection, Recognition, Identification range charts

DB Type Thermal



### Key to Johnson's Criteria charts

- D** Detection - an object is present (-2 pixels)
- R** Recognition - the object can be discerned (- 8 pixels)
- I** Identification - the object can be identified e.g. male versus female, a specific car (- 12.8 pixels)

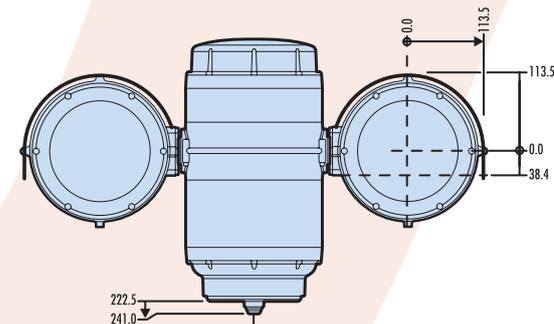
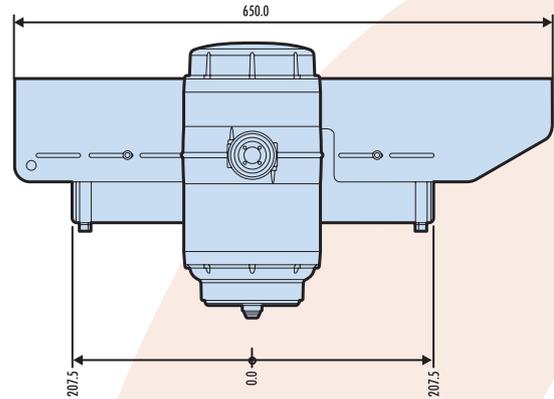
Note: Ranges may vary depending on atmospheric conditions

## Ordering Information

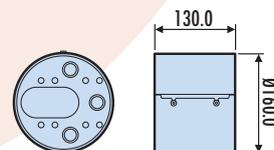
Product code	Product Description
OPT-PSEARCHERFB	Osiris Searcher, Black
OPT-PSEARCHERFW	Osiris Searcher, White
OPT-HSEARCHERFB	Osiris HD Searcher, Black
OPT-HSEARCHERFW	Osiris HD Searcher, White

## Dimensions (in millimeters)

Main housing plus pan/tilt unit



## Tower mount bracket



Designed and manufactured in the UK.