

OWL-C

Model 225 – 2MP

SP02225E10

Perimeter Security & Surveillance

Owl-C is optimized as a cost-effective commercial solution to enhance perimeter security of high value sites. Owl-C is a highly scalable solution that is configurable to match the Customer's expectations of performance, viewing ranges and interfaces.



Features

- LWIR + Visible
- Choice of Visible, low-light, or SWIR imager
- Choice of optics for viewing ranges
- IR Illumination option
- LRF Option
- Autonomous Scan, Detect and Warn
- Position to Que
- Target Tracking Function
- Accurate Azimuth and Elevation Control
- ONVIF-s Protocol enabled
- Interfacing options for Systems Integration

Applications

- Ground Inland or Coastal Installation
- Mid-range to long range surveillance zone
- Surveillance of protected space against unlawful acts or intrusion
- Visual Confirmation of target
- Track target and direct enforcement of response
- Land, Sea and air spaces monitoring
- Stand-alone operation or integrated multi-sensor system

AIR



SEA



LAND



Benefits

A capable cost-effective day/night solution to enable long range visual surveillance over the customer's high value site resulting in enhanced security management

SPECIFICATION

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THERMAL MODULE SPECIFICATION			
ARRAY TYPE	<i>a-Si Microbolometer</i>	SPECTRAL BAND	<i>8 - 14μm</i>
ARRAY SIZE	<i>640 x 480</i>	PIXEL PITCH	<i>17 μm</i>
FRAME RATE	<i>≥ 25 frames / second</i>	NETD	<i>< 50 Mk (@ 25° C, f/1)</i>
ELECTRONIC ZOOM	<i>8 to 14 μm</i>	CALIBRATION	<i>Temperature Based ONE POINT</i>
CONTRAST/ BRIGHTNESS	<i>Auto / Manual</i>	NOISE REDUCTION MODE	<i>ON / OFF</i>
COLOR PALETTES	<i>12 Numbers</i>	QUALIFICATIONS	<i>MIL-810F</i>
FOCAL LENGTH	<i>25 to 225 mm, 9x Optical ZOOM</i>	HFOV	<i>Narrow 2.8 , Wide 24.5°</i>
DAY MODULE			
SENSOR	<i>1/2.8-type Progressive Scan CMOS</i>	SHUTTER SPEED	<i>1/25 to 1/15000 sec</i>
SENSOR FORMAT	<i>Effective Pixel 1945X1097 (2.13 MP)</i>	DAY/NIGHT	<i>IR Cut Filter for day/night</i>
MIN ILLUMINATION / SENSITIVITY	<i>Color 0.0077 lx B/W 0.0008 lx</i>	DE FOG PENETRATION	<i>On/Off</i>
NOISE REDUCTION	<i>3D DNR</i>	BACK LIGHT COMPENSATION	<i>On/Off</i>
WIDE DYNAMIC RANGE	<i>130 Db</i>	AUTO-WHITE BALANCE	<i>On/Off</i>
LENS	<i>4.3mm to 129mm</i>	FRAME-RATE	<i>25/30/60 fps</i>
OPTICAL ZOOM	<i>30x</i>	VIDEO COMPRESSION	<i>Mainstream H.264/MJPEG</i>
DIGITAL ZOOM	<i>12x</i>	DRI – HUMAN (OPTICAL RANGE)	<i>~ 2000m</i>
FOV	<i>63.7° to 2.3°</i>		
TARGET TRACKING FUNCTION			
MULTIPLE OBJECT DETECTION	<i>Up to 4</i>	MOVING OBJECT DETECTION	<i>Yes</i>
TARGET TRACKING	<i>Yes, Operator Assigned</i>	IMAGE ENHANCEMENT	<i>Yes</i>
CENTROID & EDGE MEASUREMENT	<i>Yes</i>		
PAN/TILT			
AZIMUTH / PAN	<i>360° Continuous</i>	ELEVATION / TILT	<i>±45°</i>
PAN PRESET SPEED	<i>100 °/S</i>	TILT PRESET	<i>25 °/S Max</i>
GENERAL			
NETWORK CONNECTIVITY	<i>Ethernet</i>	COMMUNICATION	<i>Ethernet</i>
ENCRYPTION	<i>SSL, AES, TLS</i>	VIDEO STREAMING	<i>Dual Stream , H-264</i>
COMPLIANCE	<i>ONVIF – Profile S</i>	ELECTRICAL POWER	<i>+22 to +30 VDC</i>
DUST / WAER PROTECTION	<i>IP -66</i>	OVER ALL WEIGHT	<i>± 25 KG</i>
OPTIONAL FEATURES / UPDATATIONS			
Video Analytics: Different Video Analytics can be added as per the user needs.			
Camera/ Other Payload Options: SWIR, Cooled MWIR, LWIR			
Laser Illuminator, Laser Range Finders (LRF)			
Positioners and Payloads for UAV's, Vehicle Mounts and also Thermal Weapon sites.			

Note: Analinear reserves the right to modify the specifications due to changes in design and improvements in technology without prior notice, hence contact sales for any latest information

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