CRAD-80
Model 225 – 2MP

SPO2225E12

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

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THERMAL MODULE SPECIFICATION

ARRAY TYPE	a-Si Microbolometer	SPECTRAL BAND	8 - 14µm
ARRAY SIZE	640 x 480	PIXEL PITCH	17 µm
FRAME RATE	≥ 25 frames / second	NETD	< 50 Mk (@ 25^0 C, f/1)
ELECTRONIC ZOOM	8 to 14 µm	CALIBRATION	Temperature Based ONE POINT
CONTRAST/ BRIGHTNESS	Auto / Manual	NOISE REDUCTION MODE	ON / OFF
COLOR PALETTES	12 Numbers	QUALIFICATIONS	MIL-810F
FOCAL LENGTH	25 to 225 mm, 9x Optical ZOOM	HFOV	Narrow 2.8 , Wide 24.5^0

DAY MODULE

SENSOR	1/2.8-type Progressive Scan CMOS	SHUTTER SPEED	1/25 to 1/15000 sec
SENSOR FORMAT	Effective Pixel 1945X1097 (2.13 MP)	DAY/NIGHT	IR Cut Filter for day/night
MIN ILLUMINATION / SENSITIVITY	Color 0.0077 lx B/W 0.0008 lx	DE FOG PENETRATION	On/Off
NOISE REDUCTION	3D DNR	BACK LIGHT COMPENSATION	On/Off
WIDE DYNAMIC RANGE	130 Db	AUTO-WHITE BALANCE	On/Off
LENS	4.3mm to 129mm	FRAME-RATE	25/30/60 fps
OPTICAL ZOOM	30x	VIDEO COMPRESSION	Mainstream H.264/MJPEG
DIGITAL ZOOM	12x	DRI – HUMAN (OPTICAL RANGE)	~ 2000m
FOV	63.7^0 to 2.3^0		

TARGET TRACKING FUNCTION

MULTIPLE OBJECT DETECTION	AI Based Object Detection and Classification Up to 4 objects	MOVING OBJECT DETECTION	Yes
TARGET TRACKING	Yes, Operator Assigned	IMAGE ENHANCEMENT	Yes
CENTROID & EDGE MEASUREMENT	Yes		

PAN/TILT

AZIMUTH / PAN	360^0 Continuous	ELEVATION / TILT	±45^0
PAN PRESET SPEED	100 ^{0}/S	TILT PRESET	25 ^{0}/S Max

GENERAL

NETWORK CONNECTIVITY	Ethernet	COMMUNICATION	Ethernet
ENCRYPTION	SSL, AES, TLS	VIDEO STREAMING	Dual Stream , H-264
COMPLIANCE	ONVIF – Profile S	ELECTRICAL POWER	+22 to +30 VDC
DUST / WAER PROTECTION	IP -66	OVER ALL WEIGHT	± 30 KG

OPTIONAL FEATURES / UPDATIONS

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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