

OWL-MD860

SV72860E80

Long Range Multi Sensor Electro-Optic Systems

Owl-MD860 is 2 Axis Stabilized Electro Optical system. The Multi-sensor system is used for long range security and surveillance applications. Owl-MD860 is a highly scalable solution that is configurable to match the Customer's expectations of performance, viewing ranges and interfaces..



Features

- MWIR + Visible + LRF + Target Tracking
- Choice of Visible, low-light, or SWIR imager
- Choice of optics for viewing ranges
- IR Illumination 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 high End day/night solution to enable long range visual surveillance over the customer's high value site or Border Security resulting in enhanced security management

Deeper Insight

SPECIFICATION

Owl-MD 860 – 1.3MP

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THERMAL MODULE SPECIFICATION			
ARRAY TYPE	Cooled MCT	SPECTRAL BAND	3 - 5 μ m
ARRAY SIZE	640 x 512	PIXEL PITCH	15 μ m
FRAME RATE	≥ 60 frames / second	NETD	< 20 Mk (@ 25 $^{\circ}$ C, f/1)
ELECTRONIC ZOOM	8X	CALIBRATION	Temperature Based ONE POINT
CONTRAST/ BRIGHTNESS	Auto / Manual	NOISE REDUCTION MODE	ON / OFF
COLOR PALETTES	12 Numbers	QUALIFICATIONS	MIL-810F
FOCAL LENGTH	38 to 860 mm, 22x Optical ZOOM	HFOV	Narrow 0.6 $^{\circ}$, Wide 14.5 $^{\circ}$
DAY MODULE			
SENSOR	1/1.8"-type Progressive Scan CMOS	SHUTTER Type	Global Shutter
SENSOR FORMAT	Effective Pixel 1280X1080 (1.3 MP)	MIN ILLUMINATION / SENSITIVITY	Color 0.0077 lx B/W 0.0008 lx
NOISE REDUCTION	3D DNR	WIDE DYNAMIC RANGE	130 Db
VIDEO COMPRESSION	Mainstream H.264/MJPEG	FRAME-RATE	25/30/60 fps
LENS	20mm to 700mm	DIGITAL ZOOM	2x, 4x
OPTICAL ZOOM	34x	FOV	0.7 $^{\circ}$ to 25.3 $^{\circ}$
DRI – HUMAN	~ 8000m		
LRF			
Laser Wavelength	1.535	Range for NATO Target	16km
Beam Divergence	0.25 mrad	Power	< 4W
TARGET TRACKING FUNCTION			
MULTIPLE OBJECT DETECTION	Up to 4	MOVING OBJECT DETECTION	Yes
TARGET TRACKING	Yes, Operator Assigned	IMAGE ENHANCEMENT	Yes
CENTROID & EDGE MEASUREMENT	Yes		
PAN/TILT			
AZIMUTH / PAN	360 $^{\circ}$ Continuous	ELEVATION / TILT	$\pm 45^{\circ}$
PAN PRESET SPEED	100 $^{\circ}$ /S	TILT PRESET	25 $^{\circ}$ /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	~ 60 KG (Payload 28KG)
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: Anilinear 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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