CRAD-0

CRAD 0 – 3MP

SP0000E12

Perimeter Security & Surveillance

Crad-0 is optimized as a cost-effective commercial solution to enhance perimeter security of high value sites. Crad-0 is a highly scalable solution that is configurable to match the Customer's expectations of performance, viewing ranges and interfaces.



Features

- Visible channel
- IR Illumination
- 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 <u>customer's high value site resulting in enhanced security management</u>



SPECIFICATION

CRAD 0 – 3MP

SP0000E12

DAY MODULE SENSOR 1/1.8-type Progressive Scan CMOS SHUTTER SPEED 1/25 to 1/15000 sec SENSOR FORMAT Effective Pixel 1980 x 1500 (3 MP) DAY/NIGHT IR Cut Filter for day/night MIN ILLUMINATION / Color 0.0077 lx B/W 0.0008 lx DE FOG PENETRATION On/Off SENSITIVITY Color 0.0077 lx B/W 0.0008 lx DE FOG PENETRATION On/Off SENSTIVITY Global Shutter BACK LIGHT On/Off SENSOR Global Shutter BACK LIGHT On/Off WIDE DYNAMIC RANGE 130 Db AUTO-WHITE BALANCE On/Off LENS 6mm to 180mm FRAME-RATE 25/30/60 fps OPTICAL ZOOM 30x VIDEO COMPRESSION Mainstream H.264/MJPEG DIGITAL ZOOM 12x DRI - HUMAN (OPTICAL RANGE) ~ 2000m FOV 61° to 2.3° MOVING OBJECT DETECTION Yes MULTIPLE OBJECT DETECTION AI Based Object Detection and Classification Up to 4 objects MOVING OBJECT DETECTION Yes CENTROID & EDGE MEASUREMENT Yes IMAGE ENHANCEMENT Yes CEN				
SENSOR FORMAT Effective Pixel 1980 x 1500 (3 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 SCAN TYPE Global Shutter BACK LIGHT COMPENSATION On/Off WIDE DYNAMIC RANGE 130 Db AUTO-WHITE BALANCE On/Off LENS 6mm to 180mm FRAME-RATE 25/30/60 fps OPTICAL ZOOM 30x VIDEO COMPRESSION Mainstream H.264/MJPEG DIGITAL ZOOM 12x DRI - HUMAN (OPTICAL RANGE) ~ 2000m FOV 61° to 2.3° - - MULTIPLE OBJECT AI Based Object Detection and Classification Up to 4 objects MOVING OBJECT DETECTION Yes MULTIPLE OBJECT AI Based Object Detection and Classification Up to 4 objects IMAGE ENHANCEMENT Yes CENTROID & EDGE Yes - - - MEASUREMENT - - - - AZIMUTH / PAN 360° Continuous ELEVATION / TILT ±45° PAN PRESET SPEED 100 %S TILT PRESET 25 %/S Max GENERAL EEVENTION		DAY MO	DDULE	
SENSOR FORMAT Effective Pixel 1980 x 1500 (3 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 SCAN TYPE Global Shutter BACK LIGHT COMPENSATION On/Off WIDE DYNAMIC RANGE 130 Db AUTO-WHITE BALANCE On/Off LENS 6mm to 180mm FRAME-RATE 25/30/60 fps OPTICAL ZOOM 30x VIDEO COMPRESSION Mainstream H.264/MJPEG DIGITAL ZOOM 12x DRI - HUMAN (OPTICAL RANGE) ~ 2000m FOV 61° to 2.3° - - MULTIPLE OBJECT Al Based Object Detection and Classification Up to 4 objects MOVING OBJECT DETECTION Yes MULTIPLE OBJECT Al Based Object Detection and Classification Up to 4 objects IMAGE ENHANCEMENT Yes TARGET TRACKING Yes, Operator Assigned IMAGE ENHANCEMENT Yes MEASUREMENT - - - - AZIMUTH / PAN 360° Continuous ELEVATION / TILT ±45° - PAN PRESET SPEED 100 %S TILT PRESET 25 % Max PAN PRESET SPEED 100 %S </td <td>ENSOR</td> <td></td> <td></td> <td>1/25 to 1/15000 sec</td>	ENSOR			1/25 to 1/15000 sec
SENSITIVITY Image: Sensitivity SCAN TYPE Global Shutter BACK LIGHT COMPENSATION On/Off WIDE DYNAMIC RANGE 130 Db AUTO-WHITE BALANCE On/Off LENS 6mm to 180mm FRAME-RATE 25/30/60 fps OPTICAL ZOOM 30x VIDEO COMPRESSION Mainstream H.264/MJPEG DIGITAL ZOOM 12x DRI - HUMAN (OPTICAL RANGE) ~ 2000m FOV 61° to 2.3° - - MULTIPLE OBJECT AI Based Object Detection and Classification Up to 4 objects MOVING OBJECT DETECTION Yes DETECTION Al Based Object Detection and Classification Up to 4 objects DETECTION Yes CENTROID & EDGE MEASUREMENT Yes ImAGE ENHANCEMENT Yes AZIMUTH / PAN 360° Continuous ELEVATION / TILT ±45° PAN PRESET SPEED 100 °/S TILT PRESET 25 °/S Max MUTH / PAN 360° Continuous ELEVATION / TILT ±45° PAN PRESET SPEED 100 °/S TILT PRESET 25 °/S Max METWORK CONNECTIVITY Ethernet COMMUNICATION Ethernet	ENSOR FORMAT		DAY/NIGHT	IR Cut Filter for day/night
WIDE DYNAMIC RANGE130 DbCOMPENSATIONFUSWIDE DYNAMIC RANGE130 DbAUTO-WHITE BALANCEOn/OffLENS6mm to 180mmFRAME-RATE25/30/60 fpsOPTICAL ZOOM30xVIDEO COMPRESSIONMainstream H.264/MJPEGDIGITAL ZOOM12xDRI - HUMAN (OPTICAL RANGE)~2000mFOV61º to 2.3ºAuto-White Balance~2000mFOV61º to 2.3ºAuto-White Balance~2000mFOV61º to 2.3ºAuto-White Balance~2000mFOV61º to 2.3ºAuto-White Balance~2000mFOU61º to 2.3ºAuto-White Balance~2000mFOU61º to 2.3ºDETECTION~2000mDETECTIONAl Based Object Detection and Classification Up to 4 objectsDETECTIONTARGET TRACKINGYes, Operator AssignedIMAGE ENHANCEMENTYesCENTROID & EDGE MEASUREMENTYesImage ENHANCEMENTYesAZIMUTH / PAN360º ContinuousELEVATION / TILT±45°PAN PRESET SPEED100 º/STILT PRESET25 º/S MaxNETWORK CONNECTIVITYEthernetCOMMUNICATIONEthernetENCRYPTIONSSL, AES, TLSVIDEO STREAMINGDual Stream, H-264	1	Color 0.0077 lx B/W 0.0008 lx	DE FOG PENETRATION	
LENS6mm to 180mmFRAME-RATE157.30/60 fpsOPTICAL ZOOM30xVIDEO COMPRESSIONMainstream H.264/MJPEGDIGITAL ZOOM12xDRI - HUMAN (OPTICAL RANGE)~ 2000mFOV61º to 2.3º	CAN TYPE	Global Shutter		On/Off
OPTICAL ZOOM30xVIDEO COMPRESSIONMainstream H.264/MJPEGDIGITAL ZOOM12xDRI - HUMAN (OPTICAL RANGE)~ 2000mFOV61º to 2.3º	VIDE DYNAMIC RANGE	130 Db	AUTO-WHITE BALANCE	On/Off
DIGITAL ZOOM 12x DRI - HUMAN (OPTICAL RANGE) ~ 2000m FOV 61° to 2.3°	ENS	6mm to 180mm	FRAME-RATE	25/30/60 fps
RANGE)RANGE)FOV61° to 2.3°-MULTIPLE OBJECT DETECTIONAI Based Object Detection and Classification Up to 4 objectsMOVING OBJECT DETECTIONMULTIPLE OBJECT DETECTIONAI Based Object Detection and Classification Up to 4 objectsMOVING OBJECT DETECTIONTARGET TRACKINGYes, Operator AssignedIMAGE ENHANCEMENTYesYes-CENTROID & EDGE MEASUREMENTYesAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA <td>PTICAL ZOOM</td> <td>30x</td> <td>VIDEO COMPRESSION</td> <td>Mainstream H.264/MJPEG</td>	PTICAL ZOOM	30x	VIDEO COMPRESSION	Mainstream H.264/MJPEG
Image: marked part of the system of the s	IGITAL ZOOM	12x		~ 2000m
MULTIPLE OBJECT DETECTIONAI Based Object Detection and Classification Up to 4 objectsMOVING OBJECT DETECTIONYesTARGET TRACKINGYes, Operator AssignedIMAGE ENHANCEMENTYesCENTROID & EDGE MEASUREMENTYesCENTROID & EDGE MEASUREMENTYesAILCENTROID & EDGE MEASUREMENTAZIMUTH / PAN360° ContinuousELEVATION / TILT±45°PAN PRESET SPEED100 °/STILT PRESET25 °/S MaxCENTROID & EthernetCENTROID & EthernetCOMMUNICATIONEthernetENCRYPTIONSSL, AES, TLSVIDEO STREAMINGDual Stream , H-264	OV	61° to 2.3°		
MULTIPLE OBJECT DETECTIONAI Based Object Detection and Classification Up to 4 objectsMOVING OBJECT DETECTIONYesTARGET TRACKINGYes, Operator AssignedIMAGE ENHANCEMENTYesCENTROID & EDGE 				
DETECTIONClassification Up to 4 objectsDETECTIONTARGET TRACKINGYes, Operator AssignedIMAGE ENHANCEMENTYesCENTROID & EDGE MEASUREMENTYesMEASUREMENTImage: Stress of the stress		TARGET TRACK	ING FUNCTION	
CENTROID & EDGE MEASUREMENT Yes Image: Constraint of the second				Yes
MEASUREMENTIndextIndextImage: Measure of the state of the	ARGET TRACKING	Yes, Operator Assigned	IMAGE ENHANCEMENT	Yes
AZIMUTH / PAN 360° Continuous ELEVATION / TILT ±45° PAN PRESET SPEED 100 °/S TILT PRESET 25 °/S Max GENERAL NETWORK CONNECTIVITY Ethernet COMMUNICATION Ethernet ENCRYPTION SSL, AES, TLS VIDEO STREAMING Dual Stream , H-264		Yes		
AZIMUTH / PAN 360° Continuous ELEVATION / TILT ±45° PAN PRESET SPEED 100 °/S TILT PRESET 25 °/S Max GENERAL NETWORK CONNECTIVITY Ethernet COMMUNICATION Ethernet ENCRYPTION SSL, AES, TLS VIDEO STREAMING Dual Stream , H-264		PAN/	TILT	
PAN PRESET SPEED 100 % TILT PRESET 25 % Max GENERAL NETWORK CONNECTIVITY Ethernet ENCRYPTION SSL, AES, TLS VIDEO STREAMING Dual Stream , H-264	ZIMIITH / PAN	/		+450
NETWORK CONNECTIVITY Ethernet COMMUNICATION Ethernet ENCRYPTION SSL, AES, TLS VIDEO STREAMING Dual Stream , H-264	1			
NETWORK CONNECTIVITYEthernetCOMMUNICATIONEthernetENCRYPTIONSSL, AES, TLSVIDEO STREAMINGDual Stream , H-264				
ENCRYPTION SSL, AES, TLS VIDEO STREAMING Dual Stream , H-264		GENE	RAL	
	IETWORK CONNECTIVITY	Ethernet	COMMUNICATION	Ethernet
	NCRYPTION	SSL, AES, TLS	VIDEO STREAMING	Dual Stream , H-264
	OUST / WAER PROTECTION		ELECTRICAL POWER	
OVER ALL WEIGHT ± 30 KG	·		OVER ALL WEIGHT	± 30 KG
OPTIONAL FEATURES / UPDATIONS		OPTIONAL FEATUR	RES / UPDATIONS	
Video Analytics : Different Video Analytics can be added as per the user needs.	/ideo Analytics: Differen			
Camera/ Other Payload Options: SWIR, Cooled MWIR, LWIR			*	
Laser Illuminator, Laser Range Finders (LRF)		Laser Illuminator, Laser Rang	e Finders (LRF)	
Positioners and Payloads for UAV's, Vehicle Mounts and also Thermal Weapon si				nd 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

Analinear	Technologies
Email	: sales@analineartech.com
Ph	: +91 98483 72063
Address	: 4 A -1, GMR Aerospace Park,
	Rajiv Gandhi International Airport,
	Shamshabad, Hyderabad 500108,
	Telangana. INDIA

