

# Eagle- PT700

CD32700E9

## Optical Tracking System

Eagle-PT700 is optimized as a cost-effective commercial solution to enhance Optical Tracking and perimeter security of high value sites. Eagle PT700 is a highly scalable solution that is configurable to match the Customer's expectations of performance, viewing ranges and interfaces.



### Features

- Day Camera plus Tracker
- 34x Optical Zoom
- 20mm to 700mm f/3 optics
- Up to Four Objects detection
- Autonomous Scan, Detect and Warn
- Target Tracking Function
- Accurate Azimuth and Elevation Control
- Ethernet Interface for video/controls
- 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

### 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

AIR



SEA



LAND



DAY MODULE			
SENSOR	1/1.8-type Progressive Scan CMOS	SHUTTER SPEED	1/25 to 1/15000 sec
SENSOR FORMAT	Effective Pixel 1920X1080 (2 MP)	NOISE REDUCTION	3D DNR
SCAN TYPE	Global Shutter	WIDE DYNAMIC RANGE	130 Db
LENS	20.4mm to 700mm F/3.0	FRAME-RATE	25/30/60 fps
OPTICAL ZOOM	34x	VIDEO COMPRESSION	Mainstream H.264/MJPEG
DIGITAL ZOOM	4x	NATO TARGET (OPTICAL RANGE)	8000m to 2000m (36 to 100 pixels for tracking)
FOV	0.7° to 24.3°	AUTO-WHITE BALANCE	On/Off
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	DISPLAY	20" Smart Monitor
PAN/TILT			
AZIMUTH / PAN	n x 360°	ELEVATION / TILT	-10° to +70°
PAN PRESET SPEED	100 %/S	TILT PRESET	25 °/S Max
CONTROL INTERFACE	mouse		
GENERAL			
NETWORK CONNECTIVITY	Ethernet	COMMUNICATION	Ethernet
ENCRYPTION	SSL, AES, TLS	VIDEO STREAMING	H-264/MJPEG4
COMPLIANCE	ONVIF - Profile S	ELECTRICAL POWER	+24 VDC 6Amp, 60W Max Power
DUST / WAER PROTECTION	IP -66,	SHOCK/VIBRATION	MIL-810G
OVER ALL WEIGHT	Payload 23 kg	OPERATING TEMPERATURE	-30°C to +55° C
		STORAGE TEMPERATURE	-40°C to +70° C
OPTIONAL FEATURES / UPDATATIONS			
<b>Video Analytics:</b> Different Video Analytics can be added as per the user needs.			
<b>Camera/ Other Payload Options:</b> SWIR, Cooled MWIR, LWIR			

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



Figure 1 Aeroplane being tracked at 1000m

Target Tracking Capability			
Focal Length	Reliability (0.75° HFOV)	Number of Pixels	Kilometers
700 mm			
	50% reliability	6x6	9km
	90% reliability	10x10	3.5km

DELIVERABLES	
1	Sensor Box with PT Unit
	Smart Monitor with Joy Stick
3	Ethernet and Power Cables
4	Software with GUI
5	User Manuals

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