

Photoelectric Detection System

UAD-EOC-CTT



Key Features



- Using continuous zoom infrared thermal imaging technology, strong haze penetration ability, long detection distance, can search for targets in a large range;
- Color camera combined with thermal imaging for detailed observation, can achieve continuous monitoring day and night;
- Automatic focus technology, can achieve fast focus through a variety of focus ways and trigger ways;
- The front-end equipment control software can realize the online upgrade function through the network, greatly facilitating the later maintenance;
- After the self-test, the user can return to the zero or power off position, support the remote restart function;
- Universal variable speed transfer platform, to achieve a full range of no blind Angle monitoring, high-precision positioning;

Specifications

Monitoring distance	target	Ship (140m 15m)	Aircraft (47m 45m)
	detection range	50km	50km
	Identify distance	30km	40km
Visible light lens	focal distance	16.7 to 1000 mm, 60 x optical magnification	
	angle of field	0.45° ~ 25°	
	The aperture type	automatic diaphragm	
	Lens control	Electric power zoom / manual focus / automatic focus	
	Lens Preposition	support	
HD visible light camera	Sensor type	1/1.8" Progressive Scan CMOS	
	Color mode	Integrated ICR dual filter switch day and night	
	Camera control	Automatic gain control, automatic white balance, and automatic backlight compensation Support for manual and automatic day and night mode conversion	
	Through the fog	Open / close optional	
	Backfocal fine-tuning technology	Support, can be remote debugging	
	Noise reduction function	3D digital noise reduction	
	coded format	H.264/H.265	
	Video resolution	26881520, support dual code stream	
	Video frame rate	25fps(2688×1520)	
	Caption superposition	Table mark, date, and time	
	Anti-shake function	Support electronic stabilization	
	Image adjustment	Brightness, contrast, and saturation	
	networking protocol	TCP / IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, etc	
Infrared thermal imaging lens	focal distance	90~900mm 10 x continuous optical zoom	
	angle of field	0.6°×0.5° ~ 6.1°×4.9°	
	F price	F4.0	
	Lens control	Electric change multiplier, electric focus, automatic focus	
Infrared thermal imaging detector	Types of detectors	Refrigerated focal plane detector	

Specifications

Infrared thermal imaging detector	Types of detectors	Refrigerated focal plane detector
	Effective pixel	640×512
	spectral coverage	3 ~ 5μm
	temperature sensitivity	≤30mK@F4.0,300K
	frame frequency	25Hz
	Inhomogeneity correction	Automatic / manual / background correction
	image processing	Digital image detail enhancement
	video monitor 525 vidicon video out	PAL standard
	start time	7 minutes and 30 seconds (under 25°C condition)
shield	material	Super-strength precision-cast aluminum alloy
	structure	Integrated dual-view window design
	Window glass	Nanooptical penetration glass
	temperature control	Built-in temperature regulation, support heating, heat dissipation, dehumidification and defrosting and other functions
revolving stage	angle	Horizontal 360° infinite-bit continuous rotation, pitch-20°~ + 110°
	velocity	Level 0.01°~80° / s and pitch 0.01°~80° / s
	presetting bit	255, support lens change focus preset position
	Preposition accuracy	±0.01°
	Automatic cruise	2 bars, with 64 preset points for each bar
	Automatic line sweep	1 Article
	Angle back	Support (optional)
joggle	network interface	110Base-T / 100Base-TX, RJ 45 interface
	Power interface	DC30V, with AC220V± 20% to DC30V wide input waterproof stabilized power supply

Specifications

environment pointer	working temperature	-25°C ~ +55°C
	storage temperature	-40°C ~ +65 °C
	levels of protection	IP66
physical characteristics	size	748mm×748mm×945mm (L×W×H)
	weight	≤145kg
	power dissipation	≤230W
	pigment	army green
	way to install	Outdoor base installation

Note: The indicated monitoring distance is the distance of the visibility above 40km, the air humidity below 60%, and the temperature difference between the target and the environmental background above 3°C. Affected by different weather environment, the distance of action will be different.

Equipment size



*Product size is for reference only, please refer to the actual.