POWERED BY :
CAMWELL
SECURITY SOLUTIONS

OUTDOOR THERMAL PTZ CAMERA

TI | IP66 | Vandal-proof | Analysis

Thermal Imaging Camera

★ CAM-XPLRTH Series Network Camera is a high-end thermal camera with outstanding contrast for reliable detection and verification around-the-clock and in all weather and light conditions.

★ Powerful embedded intelligent analysis algorithm makes motion detection, region intrusion detection, line crossing detection, moving path tracking, target enhancement and other intelligent analysis functions done in the device.

★ Leading thermal imaging procession algorithm: IDE(image details enhancement algorithm), HDR(high dynamic range algorithm: sea-sky mode, sky-earth mode).

★ Embedded high temperature alarm module, you accurately pre-alarm the fire source in time based on the leading temperature alarming algorithm, pre- alarming grades are adjustable, applicable for the need of fire pre-alarming in different scenes.

★ Applicable under extreme bad weather (including complete darkness, rain, snow, smog and etc).

★ Powered by complete functions and interfaces; standardized security interface design, supporting ONVIF and GB28281 protocol, easily access to the platform.

★ Impressive appearance, integrated structural design, easy for installation and maintenance.

APPLICATION SCENARIO

Applicable in scenarios where requires all-weather video surveillance, such as warehouse, urban community, airports, harbors, stations and so on; Also applicable in scenarios where needs fire pre-alarm, such as: oil fields, farms, forests, grasslands, scenic sights, etc.

TECHNICAL SPECIFICATIONS

ONVIF®

MODEL	CAM-XPLRTH09M	CAM-XPLRTH09M	CAM-XPLRTH09M	CAM-XPLRTH09M
	SHORT RANGE	MEDIUM RANGE	LONG RANGE	ULTRA LONG RANGE
DETECTOR CHARACTERISTIC				
Detector	Uncooled VOx Microbolometer			
Array formating / Pixel pitch	640x512/17μm			
Sensitivity	NETD ≤ **55mk**			
Frame rate	50Hz			
Spectral range	8~14μm			
Color Palettes	Whitehot, Blackhot, Ironrow, Fusion, Rainbow, Globow.etc			
Focus	Athermalized, Focus free			
Focus length	35 mm, F1.2	52mm, F1.2	75mm, F1.2	100mm, F1.2
FOV	17.5°x13.1°	11.9°x9.0°	8.3°x6.2°	6.2°x4.7°
HUMAN				
Identification distance	126m	190m	275m	360m
Recognition distance	252m	380m	550m	730m
Detection distance	1030m	1520m	2200m	2940m
VECHICLE				
Identification distance	500m	700m	875m	1200m
Recognition distance	1000m	1400m	1750m	2300m
Detection distance	4000m	5000m	7030m	8800m
Digital zoom	1~8x continual zoom			
Thermal image algorithm	IDE, HDR			
Thermal image Intelligence function	Motion detection, Intrusion alarm, target enhancement, movement path			
CERTIFICATIONS BY NAB LAB				

Safety Protection- IEC/EN 60950/ IS 13252, Ingress Protection- IEC/EN 60529/ IS,60529
Environment Protection (Dry Cold Test/Dry Heat Test/Thermal Shock Test/ Damp Heat Test)
- IEC/EN 60068/ IS 9000 CE, FCC, ISO 9001:2015, ROHS.

VIDEO	
Compression	H.264 / MJPEG
Bit Rate Control	CBR / VBR
Bit Rate	H.264: 640 ~8192Kbps
Motion Detetion	Off / On (4 zone, Rectangle)
Defog	Off / On
Flip	180°
Mirror	Off / On
AUDIO (Optional)	
Compression	G.711A / G.711Mu / AAC
NETWORK	
Ethernet	RJ-45 (10/100Base-T)
Interoperability	ONVIF, GB28181
Streaming Method	Unicast / Multicast
Max. User Access	10 Users / 20 Users
Edge Storage	Micro SD (128GB) (Optional) Memory status display (Normal / Error / Active / Formatting / Lock), NAS (Network Attached Storage), Local PC for instant recording
Web Viewer	Supports preview by IE explorer
Management Software	SNVR
INTERFACE	
Video Interface (Optional)	1.0Vp-p/75Ω, PAL / NTSC
Audio Interface (Optional)	Input/Output 1 Input / 1 Output
RS485	Support
Alarm	2/2 In/Out
ELECTRICAL	
Power Supply	24V AC
Power Consumption	Max. 100W
ENVIRONMENTAL	
Operating Condition	-30°C ~ +55°C / (-40°C ~ +70°C optional) / Less than 95% RH
Strorage Conditions	- 40°C ~ +70°C / Less than 95% RH
Ingress Protection	IP66
CONSTRUCTION	
Casing	Metal
Dimensions	345mm x 252mm x 470mm (13.58" x 9.92" x 18.50")
Net Weight	13Kg (28.66lb)
Gross Weight	25Kg (55.12lb)

*Design and specifications are subject to change without notice

CAMOPIX