



Model : ON-TEX-PAD25 400*300 Resolution Thermal Explosive PTZ Camera

Model : ON-TEX-PBD25 640*512 Resolution Thermal Explosive PTZ Camera



Application Environments :

Applicable for the factories having the explosive mixtures formed from class IIA,IIB and IIC T1-T6 group flammable gas, steam with air in area No.1 , No.2, and appearing the explosive hazardous area due to the mixture of flammable dust and air in area No.20,No.21 and No.22,such as oil field, chemical plant, port, oil storage, steamship, oil drilling platform, gas stations, coal mine, aviation, military, medicine, steel, firecrackers production, machinery, food processing and storage and so on.

Features :

- Highly integrated explosion-proof PTZ, explosion-proof decoder, smaller volume and lighter, more intelligent and advanced function
- 37X zoom, with 5.7-210mm lens
- Thermal camera with 640*512 or 400*300 resolution
- Apply for severe dangerous environment with variety flammable gas and dust, side loading type design.
- Stainless steel material, integrated design, the window adopts double plate water-proof tempered glass, impact resistance, good shielding and heat dissipation. Explosion-proof, dust-proof, water-proof, rust-proof.
- 360°horizontal rotation, -90°~+90°vertical, Omni bearing monitor suspicious target.
- Germanium glass with good transmittance has stable chemical properties and is not easy to react with metal oxides, acidic substances such as air and water.
- With wiper and sun shield, non-stick water, non-stick oil, dust-proof.

Specification :

Model	ON-TEX-PAD25 / ON-TEX-PBD25	
Mechanical Features		
Material	304 Stainless Steel	
Surface Treatment	Original Stainless Steel Color, Electropolishing Optional	
Ingress Protection	IP68	
Rotation Angle	Horizontal 0°~360°, Vertical-90°~+90°	
Rotation Speed	Horizontal 0.1°/s~30°/s, Vertical 0.1°/s~30°/s	
Communication Method	RS422/485	
RS-485 Protocols	Pelco-P, Pelco-D, self-adaptive	
Communication Baud Rate	2,400/4,800/9,600/19,200 bps	
Interface Spec	G-3/4"	
Weight	≤28kg	
Automatic Scanning	1 (Menu control can set 5)	
Automatic Cruise	1 (Menu control can set 8)	
Tracking	1 (Record 200 instructions)	
Max Carrying Capacity	10kg	
Method of Installation	Wall Mounting & Upright Platform Installation	
Electrical Features		
Power Supply	AC220V or DC24V	
Camera	1/1.8" Progressive Scan CMOS	
Lens	5.7-210mm	
Zoom	37X	
Minimum Illumination	Color: 0.0005Lux @ (F1.2, AGC ON)	
Working Current	≤2000mA	
Electrical Connectivity	Composite Cable	
Automatic Mode	Automatic Cruise or Any Setting Two Rounds	
Pre-position	256 Location(Selectable)	
Pre-position accuracy	Automatic Correction Error	
Environmental		
Rated Temperature	(-30℃, +70℃)	
Atmospheric Pressure	80-106KPa	
Relative Humidity	≤95%RH(+25℃)	
Thermal Camera		
Detector Type	Uncooled IRFPA Microbolometer	
Effective Pixels	400(H)*300(V) or 640(H)*512(V)	
Pixel Size	17um	
Spectral Range	8~14um	
Image Setting	Polarity LUT/ DVE/ Mirror/ FCC/ /3D DNR Brightness/Contrast/ ROI	
Color Palettes	Black-Heat /White-Heat/Rainbow/Iron-Red up to 17 modes	
Lens		
Fixed	8/15/25/35/50mm	8/25/50/75/100mm
Focus Control	Manual Focus	Electric Focus
Angle of View	46°×35°/25°×19°/15°×11°/11°×8°/7°×5°	46°×35°/15°×11°/7°×5°/5.1°×3.8°/3.8°×2.9°

F No.	1.0	1.0
Detection Distance (Man: 1.8x0.5m)	64/120/199/279/399m	64/199/399/598/797m
Detection Distance (Vehicle:4.0x1.4m)	159/298/497/696/994m	159/497/994/1491/1988m
Image		
Image Color Modes	White hot/black hot/iron bow/rainbow up to 17 modes	
Video		
Compression	H.265/H.264/MJPEG	
Frame Rate	Main Stream: D1 25/30fps; Sub Stream: CIF 25/30fps	
Bit Rate	100Kbps~6Mbps	
Bit Rate Control	CBR/VBR	
SNR	55dB	
3D DNR	Auto/Manual	
Audio		
Audio Compression	G.711:8kbps; RAW_PCM:16kbps	
Temperature Detection		
Detection Mode	Spot, Line, Area	
Detection Preset	Support 3 temperature measurement rule types, 20 rules (20 points / 2 lines / 16 regions)	
Temperature Alarm	Over temperature alarm, Temperature difference alarm	
Accuracy	±2°C / ±2%	
Response Time	≤30ms	
Effective temperature working environment	-10°C~+55°C	
Theory of temperature measurement range	-30°C~+200°C	
Temperature display mode	Temperature target >5°C, Display absolute temperature value; Temperature target ≤5°C, Display relative temperature value (temperature difference DEV = highest value - average)	
Network		
Protocols	IPv4/v6、RTSP/RTP/RTCP、TCP/UDP、HTTP、DHCP、DNS、FTP、DDNS、PPPOE、SMTP、SIP	
Interoperability	ONVIF, CGI	
Interface		
Ethernet	RJ45 10/100Base-T	
Audio Interface	1ch Audio In,1ch Audio Out	
Alarm	2ch Alarm In,2ch Alarm Out	
CVBS	BNC, 75 ohm	
PTZ Control Interface	RS485	
SD Card	Micro SD/HCSD/Support 128GB Max	

Intelligence	
Intelligent Functions	Motion detection, Disk alarm, I/O alarm, Temperature alarm
IVS	Perimeter ,Single Virtual Fences ,Double Virtual Fences ,Object Left ,Object Removed
General	
Power Supply	DC24V±10%
Power Consumption	5W
Storage Conditions	RH90%