Model : ON-TEX-HAD25   400*300 Resolution Thermal Explosive Camera

Model : ON-TEX-HBD25   640*512 Resolution Thermal Explosive 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
●25mm Lens, 8/15/25 available
●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-HAD25 / ON-TEX-HBD25	
Mechanical Features		
Material	304 Stainless Steel	
Surface Treatment	Original Stainless Steel Color, Electropolishing Optional	
Ingress Protection	IP68	
Interface Spec	G-3/4"	
Weight	≤28kg	
Method of Installation	Wall Mounting	
Power Supply	AC220V or DC12V	
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	46o×35o/25o×19o/15o×11o/11o×8o/7o×5o	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℃ / ±2%
Response Time	≤30ms
Effective temperature working environment	-10℃～+55℃
Theory of temperature measurement range	-30℃～+200℃
Temperature display mode	Temperature target ＞5℃, Display absolute temperature value; Temperature target ≤5℃, 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	DC12V±10%
Power Consumption	5W
Storage Conditions	RH90%