

Explosion Proof Thermal Bullet Camera System



iVEX-PL-1000SGT

Explosion Proof Thermal Camera System

Key Features

- Ex Certifications : IECEx / ATEX / KCs / JPEX
- Ex Certifications (Gas) : Ex d IIC T6 Gb, Zone 1 & 2
Ex Certifications (Dust) : Ex tb IIIC T80°C Db, Zone 21 & 22
- Electropolished AISI 316L Stainless Steel
- Ingress Protection Rating : IP67
- Germanium Glass (AR / DLC Coating)/ Protection Grid
- Ambient Temperature : -40°C~+65°C
- Cable Entry : 1 x 1/2" NPT
- Vox Uncooled FPA / 640 (h) x 512 (v) Pixel / 384 (h) x 288(v) Pixel
- 12µm Pixel Pitch, LWIR, 8 to 14µm
- 640 (h) x 512 (v) Pixel Lens, 19mm (22.9° X 18.4°)
384 (h) x 288 (v) Pixel Lens 13mm (28.4° X 21.4°)
Thermal Sensitivity of Detector (NETD) ≤50mk@f#1.0
- Measurement Range : -20°C~+120°C (High 550°C),
Accuracy ±2°C or ±2% of ambient Temperature
- Onvif Profile-S
- PoE Class 3 (IEEE 802.af)

MECHANICAL PART

MODEL	IVEX-PL-1000SGT
Ex Certifications	IECEX / ATEX / KCs / JPEX
Ex Certifications(GAS)	Ex d IIC T6 Gb, Zone 1 & 2
Ex Certifications(Dust)	Ex tb IIIC T80°C Db, Zone 21 & 22
Construction	AISI 316L Stainless Steel / Electro-polished
Window	Germanium Glass (AR / DLC Coating)/ Protection Grid
Ingress Protection Rating	IP67
Ambient Temperature	-40°C ~ +65°C
Operating Humidity	Operating Humidity
Dimensions	138(W) x 190(H) x 225(L) mm
Weight	About 5.5 kg
Supply Voltage	PoE Class 3(IEEE 802.3af)
Cable Entry	1 x NPT 1/2"

CAMERA PART

Model	IVEX-PL-1000SGT64	IVEX-PL-1000SGT38
Detector	Vox Uncooled FPA	
IR Sensor Resolution	640 (h) × 512 (v) Pixel	388 (h) × 284 (v) Pixel
Pixel Pitch	12 μm	17 μm
Lens (FoV)	19mm (22.9° x 18.4°) 13mm (32.9° x 22.4°)_Option	13mm (28.4° x 21.4°) 6.8mm (54.1° x 40.9°)_Option
Frame Rate	25Hz	
Thermal Sensitivity of Detector (NETD)	≤50mk@f#1.0	
Measuring Range	-20 ~ +120°C (High 550°C)	
Accuracy	±2°C / ±2% of ambient Temperature	
Temperature Alarm	High Temperature Alarm	
Temperature Alarm Range Setting	Yes	
Temperature Dynamic Range Setting	Manual setting of upper/lower limit temperature color	
Color Palette	Rainbow and 9 others	
Highest Temperature Display	Yes	
Temperature Compensation	Yes	
Number of Concurrent Users	8 (RTSP Streaming)	
Compression Codec	H.264 / MJPEG	
Onvif	Profile-S	