

STD-6PA800-E13-Z25325

Infrared Thermal Imaging PTZ Network Camera



Product Feature

- adopts a 1280x1024 high-resolution vanadium oxide uncooled infrared focal plane detector
- 1.3MP high resolution, with 25 ~ 325mm infrared lens of 13× continuous zoom and 8X digital zoom.
- Support temperature measurement and alarm functions, including full-frame temperature measurement, regional temperature measurement, high temperature warning, and fire alarm.
- Integrated with $\pm 0.1^\circ$ high-accuracy and $20^\circ/s$ high-speed PTZ, support multiple kinds of scanning mode and target tracking
- The camera body adopts all-weather protection design, encapsulation rating IP66, wind resistant, waterproof, corrosion resistant, salt spray resistant.
- Support ONVIF and GB28281 standard protocols, provide SDK, matched NVR and VMS software



STD Series | 6PA800-E13-Z25325

Technical Index	STD-6PA800-E13-Z25325
Thermal	
Sensor Type	VOx uncooled FPA detector
Spectral Range	8 ~ 14μm
NETD	≤40mK(@25°C,F#1.0,25Hz)
Max. Resolution	1280×1024
Pixel Pitch	12μm
Focal Length	25~325mm,13× optical zoom
Focus Mode	Auto/Manual/One-shot auto
FOV	2.7°x 2.2°@325mm; 34.2°x 27.6°@25mm
F.NO	F0.8 ~ F1.3
Spatial Resolution	0.037 ~ 0.48mrad
Color Palettes	20 kinds optional such as Blackhot/Whitehot/Rainbow,etc.
Virtual Focus Correction	Support, ensure clear image within the operating temperature range
Digital Zoom(customized)	8×
Image Stabilization (customized)	EIS (customized)
Image Processing(customized)	AGC, brightness & contrast adjustment, Non-uniformity Correction NUC, Digital Noise Suppression(DNS), Digital Detail Enhancement(DDE)
Operating emperature	-40°C ~ +60°C
Power supply	DC 12V±15%
Power consumption	<= 4 W typical <= 15 W maximum
Weight	< 10Kg
Size(mm)	540*312*276mm (<= 704 x 347 x 310 mm)
Protection Grade	IP66
PTZ	
Pan Range	Pan: 360° Continuous Rotate
Pan Speed	0.1° ~ 20°/s
Tilt Range	-45° ~ +45°
Presets	256
Tele Speed Setup	Speed adaptation to zoom ratio
Park	Preset
Preset Accuracy	±0.1°
Power failure self-locking	Support
Operating temperature	-40°C ~ +60°C
Power supply	12V DC~48V DC
Power consumption	< 75W
Weight	28kg
Protection Grade	IP66 (According to MIL-810 standard customized)
Network	
Protocols	HTTP;TCP;ARP;RTSP; UDP;RTCP;SMTP;FTP;DHCP;DNS; IPv4;SNMP;QoS;UPnP;NT
Interoperability	ONVIF;GB/T28181;CGI;
OSD(other OSD information customized)	Date & Time, PTZ return value, Zoom value, name
User Management	Up to 20users,2 levels: Administrator and User
Browse	IE8+, Chrome

Technical Index	STD-6PA800-E13-Z25325
Video	
Max. Resolution	1280×1024(Thermal)
Image Encoding Format	PNG
Video Compression	H.264/H.265
Video Output	H.264/RTSP/ONVIF HDMI
Main Stream	Thermal: 30fps(1280×1024)
Sub Stream	Thermal: 30fps(1280×1024,640×512)
Smart Function	
Fire Detection	Yes
Solar Protection	Support, avoid detector damage due to high temperature (e.g. the sun)
Zoom Linkage	Yes
Smart Alarm	Support alarm trigger of network disconnection, IP address conflict, SD card full, SD card error, illegal access and abnormal detection
Smart Detecting	Support full-frame temperature measurement, regional temperature measurement, Gray alarm ,high temperature warning, and fire alarm, Automatic human/vehicle recognition with alarm
Alarm Linkage	Marked on video, IO output , command output
System Interface	
Power Supply	12V DC~48V DC
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Alarm	1 channels input, 1 channels output
Storage Interface	Support Micro SD card(Max.256G)
Communication Interface(customized)	1 channel RS 485, support Pelco-D (RS422 and RS232 can be custom-made)
General	
Operating Conditions	-40°C ~ +60°C; <95%RH
Protection Grade	IP66
Power Consumption	Max.70W
Dimensions(mm)	312mm×595mm×540mm(W×H×L)
Weight	< 35KG

Effective Distance

The recommended distance of detecting, recognizing and identifying for man (1.8×0.5m) and vehicle (1.4×4.0m) are as follows:

Lens	DD (Vehicle)	DD (Man)	RD (Vehicle)	RD (Man)	ID (Vehicle)	ID (Man)
325mm	20km	8km	8.5km	3.2km	4.2km	1.9km

Packing List

Name	Qty.
PTZ	1
Power adapter	1
Protective shield for infrared	1
Sun shield for infrared	1
Terminal	1
Waterproof jacket for Ethernet cable	1
M8*45 screws (with flat washers, spring washer, nut)	4