



ST-U100-265

IP Thermal High Speed
PTZ IPCamera

Thermal Features

- The third-generation uncooled infrared focal plane array(FPA), 640x512 pixels;
- High image quality and thermal sensitivity detects temperature difference 85mK (or <35mK at f/1
- Detection range 5490m,generate well-defined images in full darkness, haze and smog;
- The thermal imager and the camera swift video aroundthe-clock monitoring . The built-in heater ensures working in chilly and extremely harsh environments;
- Robust protection meets the standard of US military Mil-Std-810 and IP66, Moisture and water proof, the device works within the temperature -35°C~+65°C;

General Features

- 45X 1080P Dual Image, analog Thermal Imager 640TVL and HD digital
Single Direct IP connection
- MPEG4 H.265 format, 30 F/S, RJ45 port, Ethernet PCI, 10 base-T,
bandwidth auto-adjusted 100~1000Kbps
- 360°pan, 90° tilt, 6 cruising tracks, 16 presets each track, 128 presets
totally, 4 minutes pattern tour
- Remote AV storing, Remote AV replaying, Remote Surveillance,
embeded heating for outdoor -35- +60° working

DRI Ranges For Thermal Camera

	Detection	Recognition	Identification
Vehicle	5490m	1530m	766m
Human	3000m	940m	470m

Thermal Camera

Image Sensor	Uncooled LWIR Thermal Imager, VOx Micro bolometer
Sensor Format	640x480
Spectral Band	7.5 ~ 13.5μm
Field of View (Lens)	6.2°x5°,100mm
IFoV2 (milliradians) Lens	0.76mrad(100mm)
NEDT performance	< 85 mK at F/1.0
Analog Video	25Hz (PAL)
Focus	Factory-set infinity focus; lens thread mount allows focus adjustment
Digital Zoom	4x
Image Processing	Digital Detail Enhancement (DDE).

Day / Night Camera

Image Sensor	1/2.8 CMOS
Total Pixels	2.13M pixels
Focal Length	f5.9-265.5mm
Min. Illumination	0.02Lux Color / 0.01lux black
WDR	YES
Synchronization	Internal
Video Out	1.0Vp-p (75 OM, composite)
White Balance	5 steps Auto/ Push auto/ Outdoor/ Indoor/ Special
Scanning frequency	Horizon: 30k HZ , Vertic: 50 HZ
Horizontal resolution	1920TVL
S/N Ratio	>52dB
Electric Shutter (S)	1-1/10000s to 1-25s
BLC	Auto/Manu
Max. Zoom	45X optical 10X digital
Camera OSD	YES
Gain	Auto/Manu
Pan preset speed	120°/S
Tilt preset speed	80°/S
Pan speed	80°/S
Tilt speed	60°/S

Day / Night Camera

Pan range	360° continuously endless
Tilt range	90°, 180° auto flip
Preset &. Track	128 presets, 6 tracks, 40S pattern memo
Communication	RS485, Multi-protocol supported

Video /Audio

Video Compression	H.264/H.265/MJPEG
Frame Rate	PAL :1-25fps NTSC:1-30fps
Resolution	D1, Half D1, CIF,1960X1080
Video Stream	H.264, Bit-rate Range(32Kbps-4000Kbps)
Image Settings	Brightness, contrast, saturation, hue, Exposal control, AES(1/2 to 1/4,000 sec.), AGC, AWB, BLC, Privacy mask, Motion Detection;
Audio Input/Output	Mic input, headphone output

Network

Protocols	TCP/IP, HTTP, UDP, RTP/RTCP, RTSP, DHCP, PPPOE, UPNP, SMTP, FTP, DDNS, DNS, Multicast
Security	Multi-level user access with password protection

System Integration

IP Camera Hardware	High performance CPU, Flash 8M, DRAM 128M, OS Built-in Linux
Management Software	FREE software for monitoring and recording, support 1-100 channels
WEB Server	Support WEB browser, remote config/update, replay, record
Alarm port	One D/I and one D/O for external sensor and alarm
Alarm trigger	Video lost, motion detection, external input
Alarm Events	File upload via FTP, Email; Notification via Email, and TCP; External output activation; Local recording;

Environmental

Working Environment	- 35°C to 60°C ; humidity 95%
Weight	60Kg;
Power Supply	24VAC, 20VA
Dimensions	746× 748× 437mm (W×H ×L)



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