The Answer for Perfect Night Time Monitoring

Weatherproof Thermal Positioning System

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SCU-9051

The SCU-9051 integrates a high technology thermal imaging camera with a precise, high speed positioning system. It delivers thermal video at 320 x 240 resolution with a pixel size of 23.5μm. Unlike traditional cameras the SCU-9051 does not rely on light to capture images, instead it displays heat variances allowing it to effectively detect people and objects up to 1Km away, even in extreme conditions such as complete darkness, fog, smoke and snow. This makes it ideal for a range of security, safety and industrial applications such as perimeter protection, wide area surveillance and checking "hot-spots" in machinery, equipment and buildings for example.

Besides it's imaging capability, the SCU-9051 offers continuous 360˚ rotation and extended -85˚ to 40˚ tilt operation with full weatherproof protection to IP 66, as well as featuring multi-protocol support for use with popular control equipment.

- Outstanding 1Km detection wihout lighting
- Min. discernable temperature of 0.08˚C
- Built-in 50mm, 0.47 mrad. Color Pattern
- OSD, RS-485, IP66, 24VAC

0Lux	**1km**	**Infrared Sensor**	**24VAC**

Specifications

	SCU-9051N	SCU-9051P
Video		
Imaging Device	320(H) x 240(H) Uncooled VOX Microbolometer	
Sensor Pitch	23.5μm	
Measured Wavelength Range	8 ~ 14μm, LWIR	
Video Ratio (Sensor)	30fps	25fps
Thermal Sensitivity (NETD)	85mK @ F1.4	
Video Output	CVBS : 1.0 Vp-p / 75 composite	
Lens Type		
Focal Length (Zoom Ratio)	50mm (Fixed)	
Max. Aperture Ratio	1:1.4	
Angular Field of View	8.6° x 6.5°	
Min. Object Distance	27M ~ ∞ , Pan focus	
IFOV (Instaneous Field of View)	0.47mrad	
Pan / Tilt		
Pan Range	360° Endless	
Pan Speed	Preset : 0.1°~120°/sec, Manual : 0.1°/sec~36°/sec (Turbo : 120°/sec)	
Tilt Range	-85° ~ 40°	
Tilt Speed	Preset : 0.1°~36°/sec, Manual : 0.1°/sec ~ 36°/sec	
Preset	255	
Preset Accuracy	±0.1°	
Operational		
On Screen Display	English, Chinese, French, German, Spanish, Italian, Portuguese	
Image Mode	Color 1 / Color 2 / ISO / B/W	
Sharpness	Off / On (Manual)	
Contrast Enhancement	Auto / Manual	
Digital Noise Reduction	3D (4 Step : Low / Medium / High / Off)	
Alarm Out	3 In 2 Out 1 Aux	
Communication	Coaxial Control (SPC-300 Compatible) & RS-485	
Protocol	Coax : Pelco-C (Coaxitron)	
	RS-485 : Samsung-T, Samsung-E, Pelco-D, Pelco-P, Panasonic, Vicon, Honeywell, AD, GE, Bosch	
Environmental		
Operating Temperature / Humidity	-50°C ~ +50°C (-58°F ~ +122°F) / Less than 90% RH	
Ingress Protection	IP66	
Electrical		
Input Voltage / Current	24VAC±10%	
Power Consumption	Max. 40W / Max. 144W (Heater & Fan)	
Mechanical		
Color / Material	Ivory / Aluminum	
Dimension (WxHxD)	217.3(8.6") x 587.5(23.1") x 500mm(19.7")	
Weight	17.5Kg	

Accessories

Wall Mount

SBU-500WM

Pole Mount

SBU-220PM

Dimensions

Unit : mm (inch)
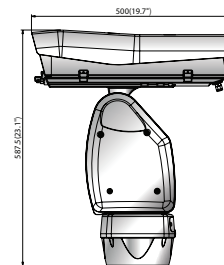
217.3(8.6")

500(19.7")

587.5(23.1")

Design and specifications are subject to change without notice.

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