SAMSUNG

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 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 or snow. This makes it ideal for a range of security, safety and industrial applications such as perimeter protection, wide area surveillance or checking "hot-spots" in machinery, equipment and buildings. Besides its imaging capability, the SCU-9051 offers continuous 360° rotation and extended -85° to 40° tilt operation while internal positioning encoders allow for all 255 prepositions to be accurate within 0.1° even in high wind/vibration environments. All this with full weatherproof protection to IP 66 makes the SCU-9051 perfect for use in demanding outdoor environments.

· Outstanding 1Km detection without lighting
· Min. discernable temperature of 0.08°C
· Built-in 50mm, 0.47 mrad
· Fast 120°/Second Pan speed with built in position encoders
· IP66, -58°F to 122°F operating temperature range
· Coaxial Control (Pelco-C), RS-485 Control (Multi-protocol)
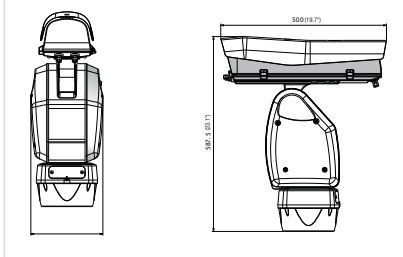
Weatherproof Thermal Positioning System
SCU-9051

0 Lux | 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 ~ 14um, LWIR	
Video Ratio (Sensor)	30fps	25fps
Thermal Sensitivity (NETD)	85mK@F1.4	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite	
LENS		
Focal Length (Zoom Ratio)	50mm (Fixed)	
Max. Aperture Ratio	1 : 1.4	
Angular Field of View (HxV)	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-DNR (4 Step : Low / Medium / High / Off)	
Digital Zoom	Off / On (1x ~ 4x)	
Temp Display	8 Zone / Point	
IV (Intelligence Video)	Fence / Tracking / MD	
ISO / Fire Man	Isolated temp display / Fire man	
Alarm	3 In 2 Out 1 Aux	
Communication	Coaxial control, RS-485	
Protocol	Coax : Pelco-C (Coaxitron)	
	RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Vicon, Honeywell, AD, GE, Bosch	
ENVIRONMENTAL		
Operating Temperature / Humidity	-50°C ~ +50°C (-58°F ~ +122°F) / Up to 100% RH	
Ingress Protection	IP66	
ELECTRICAL		
Input Voltage	24V AC ±10%	
Power Consumption	Max. 40W / 144W (Fan & heater on)	
MECHANICAL		
Color / Material	Ivory / Aluminum	
Dimensions (WxHxD)	217.3 x 587.5 x 500.0mm (8.56" x 23.13" x 19.69")	
Weight	17.5Kg (38.58 lb)	

Dimensions
Unit : mm (inch)

500(19.7")

587.5 (23.1")

Accessories

Wall Mount

SBU-527WM

Pedestal

SBU-220PM

The Eco mark represents Samsung Techwin's will to create environment-friendly products,and indicates that the product satisfies the EU RoHS Directive.

eco RoHS compliant

Design and specifications are subject to change without notice.

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