




# The Answer for Perfect Night Time Monitoring

Weatherproof Thermal Positioning System



## Weatherproof Thermal Positioning System 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)



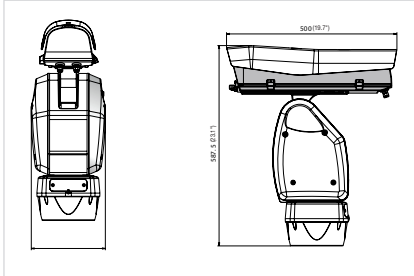
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# SCU-9051



## Dimensions

Unit : mm (inch)



## Accessories

### Wall Mount



SBU-527WM

### Pedestal



SBU-220PM

## 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 (Instantaneous 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)			

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**SAMSUNG TECHWIN AMERICA Inc.**  
100 Challenger Road, Suite 700, Ridgefield Park, NJ 07660, UNITED STATES  
Tol Free : 1-877-213-1222 Fax : 1-201-373-0124  
www.samsungsecurityusa.com



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