

SPC-240D

SPC-240D Stabilized Gimbal Panorama Camera

Main Feature

- Panorama Monitoring Camera System
- Color & Thermal Dual Channel
- Gyro Stabilization Feature
- Sky Monitoring Fisheye Camera
- BIT and Warning System
- Marine Environment Housing



Color Camera Array

- CMOS Sensor
- FOV 240° x 25°
- High Resolution : 10,000x1,080

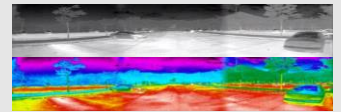


Air Monitoring Camera

- Fisheye Lens
- Option

Thermal Camera Array

- Uncooled 7.5 ~ 13.5um
- FOV 240° x 35°
- High Resolution : 3,384x480



Gyro Stabilization System

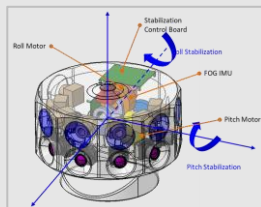
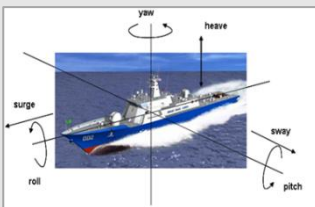
- Pitch Gyro Stabilization
- Roll Gyro Stabilization
- Azimuth Fixed
- GPS & Digital Compass(Optional)



Self Diagnosis System

- BIT Function
- Marine Environment Design

Gyro Stabilization



Stabilization Algorithm

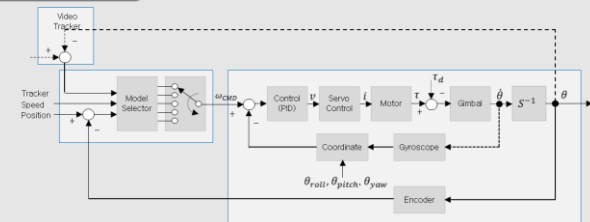
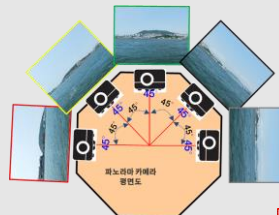


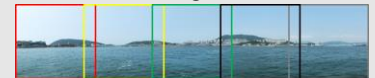
Image Stitching and Multicasting



Panorama Cameras Video Capture



Panorama Image Generation

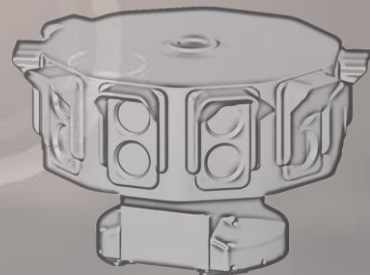


240 Around View Monitoring



SPC-240D

Stabilized Gimbal Panorama Camera



ITEM		SPC-180D	SPC-240D
Visible (Day)	Sensor Type	1/2 CMOS Sensor	
	Panorama FOV	180° H×25° V	240° H×25° V
	Total Resolution	7100×1080 pixel (1920×1080, 5 Cameras)	10000×1080 Pixel (1920×1080, 7 Cameras)
	Spectral Band	0.4 um ~ 0.7 um	
Thermal (Night)	Sensor Type	640×480 VOx microbolometer (Uncooled)	
	Panorama FOV	180° H×35° V	240° H×35° V
	Total Resolution	2400×480 pixel (640×480, 5 Cameras)	3384×480 Pixel (640×480, 7 Cameras)
	Spectral Band	7.5 um ~ 13.5 um	
Power	Power requirements	12 to 32 VDC	
	Power consumption	200 W Nominal	
Environment	Mil-spec	MIL-STD-810F	
	Operating temperature	-32°C to 55°C (-25.6°F to 131°F)	
	Storage temperature	-50°C to 65°C (-58°F to 149°F)	
DIMENSIONS, WEIGHT & MOUNTING	Dimensions	450 D x 350H mm	
	Weight	30 kg	
INTERFACES	Command and Control	RS-422 or Gigabit Ethernet	
	Image display	Real time on PC or dedicated monitor	
OPTIONS	Basic Unit	Video output direct to three (3) displays for high resolution 180° display	
	Display Package	Single custom display with Image Stitching	



Gyro Motion Stabilization



USV



EOD Monitoring

