

Vision360° is a gyro stabilized optical payload specially designed to cater for different platforms. Vision360° gimbal EO sensors can be customized based on user's requirements.

### Key Features:

- Lightweight and rugged
- High performance sensor payload
- Suitable for aerial surveillance and observation from Manned & UAV systems
- Indigenously designed for low cost applications
- Easy to use and configurable for various applications

## PAYLOAD SPECIFICATIONS

<b>[EO-Sensor:</b>	Daylight Camera with Zoom Lens
Model:	FCB-EX980SP
Effective Picture Elements:	800,000 Pixels
Field of View(°):	42.2° (Wide) – 1.6° (Tele)
Zoom Range:	26x Optical – High Telephoto 12x Digital
<b>[IR-Sensor:</b>	Uncooled IR Sensor with Digital Zoom with 75mm lens
Resolution:	640x480 Pixels
Field of View:	12° x 9°
Minimum Focus Distance:	3m
Thermal Sensitivity:	<65mk at f/1.0
Spectral Range:	8~14 μm
Pseudo-color Enhancement:	5 Color Palette

Vision360° comes in four variants:

- Vision360°-A PTZ Gimbal with Daylight Sensor
- Vision360°-B PTZ Gyro Stabilized Gimbal with Daylight Sensor
- Vision360°-C PTZ Gimbal with Daylight and IR Sensors
- Vision360°-D PTZ Gyro Stabilized Gimbal with Daylight and IR Sensors

Vision360° is operated by a joystick

## SYSTEM SPECIFICATIONS

### Gimbal Capabilities

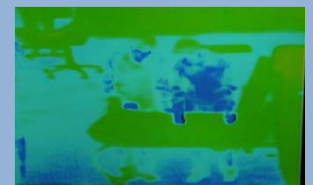
Position Resolution:	0.09°
Position Accuracy:	0.18°
Stabilization Accuracy:	0.18°
Elevation:	+/- 110°
Azimuth:	360° Continuous

Power:	Voltage 12-16V
Sensor:	Daylight SONY FCB-EX980SP IR/Thermal ULIR Vision TC640
Electronics:	Digital MCU
Communication Link:	RS-232

### Physical Dimensions:

Weights:	3.5Kg with Daylight Sensor 4.5Kg with Daylight & IR Sensors
Dimensions:	6.25" D x 9.5" H
Temperature:	-10° to +50° C

Digital Overlay with GPS



ENGINEERING SYSTEMS PAK

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