

400 Triple



The Explore 400 Triple combines the benefits of three unique sensors into one Triple Camera platform including IR, UV and TV.

A premium choice for Powerline Inspection, firemapping, oil spill detection and pipeline inspection.



Gyro Stabilized Camera Gimbal

For stable imaging a fully digital 4-axis active gyro stabilization system compensates for the aircraft movements and vibrations.



Reliability and Lightweight

In order to insure a reliable and lightweight gimbal solution, the Swesystem gimbals are designed and manufactured using an aluminum structure combined with composite covers



Superior Performance using Long Wave Thermal IR

High Precision measurement accuracy, superb image quality and long wave solar reflection immunity provides outstanding performance for most applications.



Thermal Radiometric output

The radiometric output provides full thermal resolution digital images with real time temperature measurement for efficient Thermal inspections.

Corona Detection

The Bi spectral UV camera is the most sensitive bi-spectral imager with absolute solar blind performance that offers professional Corona and Arcing detection.

On Screen Graphics

On Screen graphics indicating Time and Date, GPS position, etc

Technical Specification

Gimbal System



Four-Axis Active Gyro-Stabilized Gimbal	
Stabilization	Typical 25 micro Rad
Coverage Az	360° Continuous
Coverage El	+20° to -120°
Dimension	Ø400 mm (15.7 in)
Weight	30 kg (66 lb) (depending on configuration)
Power Req.	20-30 VDC, 10A



IR Camera

FLIR SC660 (600-series)	Focal Plane Array (FPA), Uncooled microbolometer
FOV	12° x 9°
Array Size	640x480 pixels
Spatial Res. (IFOV)	0.33mRad
Thermal Sensivity	<45mK at 30°C
Spectral Range	7.5-13µm
Focus	Manual and Auto Focus
Digital Zoom	2x
Temperature Range	-40° to +1500°C
Temperature Accuracy	+/- 1°C, +/- 1% of reading



UV Camera

Detector	Bi Spectral, Solar blind Imager
FOV	5° x 3.75°
Min UV Sensitivity	3x10 ⁻¹⁸ Watt/cm ²
Focus	Auto Focus



TV Camera

Camera	FCB H11	FCB EX1000P
Type	HD (up to 1080i)	PAL / NTSC
Image Sensor	1/3" CMOS	1/4" HAD CCD
Optical Zoom	10x (50° to 5.4°)	36x (57.8° to 1.7°)
Digital Zoom	Yes	Yes
Low light mode	Yes	Yes



Standard Configuration

Turret Camera Unit, Hand Control Unit, Interface Unit, Cable Kit

Installation

Installation Kit - Available for most helicopters types, please enquire.