



Combining the benefits of four sensors into a Quad Camera platform including IR, UV, TV and Frame Camera

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 LW 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

Gimbal System

Type	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, 300W (depending on configuration)

Thermal IR Camera

Detector	Uncooled microbolometer (FPA)
Lens	24°x32° / 12°x16°
Array Size	1024x768 pixels
Spectral Range	7.5-14µm
Focus	Manual and Auto Focus
Digital Zoom	Yes
Temp. Accuracy	+/-1.5°C, +/- 2% of reading

UV Camera

Detector	Bi Spectral, Solar blind Imager
FOV	6,4° x 4.8°
UV Sensitivity	3x10 ⁻¹⁸ Watt/cm ²
Focus	Auto Focus

TV Camera

Type	HD (up to 1080p)
Image Sensor	1/2.8" CMOS
Optical Zoom	20x (55.4° to 2.9°)
Digital Zoom	Yes
Low light mode	Yes

Frame Camera

Detector	DX-format CMOS Image Sensor
Focus	Auto Focus
Lens	135mm f/2D
Continuous Shooting	up to 7 fps

