SWESYSTEM

400 Quad

QUAD SENSOR CONFIGURATION FOR CORONA AND THERMAL CAPABILITY, HD VIDEO AND STILL PHOTO

- High Definition IR 1024x768 pixels
- Full HD TV 1080p
- 36 Megapixel Photo
- Bi-Spectral UV

400 Quad

Responsive and accurate control

The ultimate choice For Power Line Inspection.

With IMU/INS for Accurate Geo-reference

Gyro Stabilized Gimbal
A fully digital 4-axis active gyro stabilization system compensate for the aircraft movements and vibrations.

Reliability and Lightweight
Designed and manufactured using an aluminum structure and composite covers.

Corona Detection
Using solar blind Bi-spectral UV

Superior Performance using Long Wave Thermal IR
High precision measurement accuracy, superb image quality and long wave solar reflection immunity provides outstanding performance.

Thermal Radiometric Output
Real time temperature measurement in full HD resolution.

IMU/INS for Geo-reference.
Enabling GPS positioning of target.

Environmental Design
According to RTCA DO 160

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400 Quad Technical

Gimbal System

Type:	Four Axis Active Gyro Stabilized Gimbal
Stabilization:	≈ 15 µRad
Coverage Az:	360° continuous
Coverage El:	+20° to -120°
Dimension:	Ø 400 mm (11.8")
Weight:	31kg (68lb)
Power:	20-30VDC, 250W

Daylight TV Camera

Type:	Full HD 1080p
Image Sensor:	1/2.8" CMOS
Number of pixels:	Approx. 2,380.000 Pixels
Optical Zoom:	30x (60° to 2°)
Digital Zoom:	Yes

Thermal IR Camera

Array Size:	1024x768 pixels
Lens:	12°x16° (optional 24°x32°)
Detector:	Micro bolometer FPA
Spectral Range:	7.5-14µm
Thermal sensitivity:	<0.05K
Focus:	Manual and Auto Focus
Digital Zoom:	Yes
Temp Accuracy:	+/-1.5°C, (+/-1.5% of reading)

Corona UV Camera

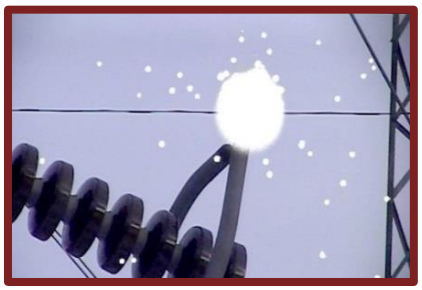
Detector:	Bi-Spectral UV, Solar Blind Imager
FOV:	8°x6°
UV Sensitivity:	$3x10^{-18}$ Watt/cm^2
Focus:	Auto Focus
Features:	Gain, Counting

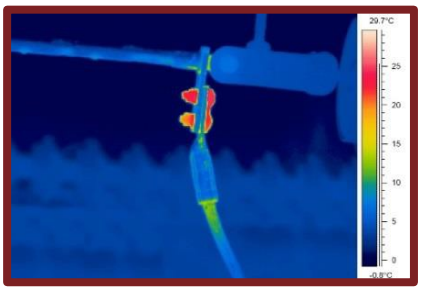
Frame Camera

Resolution:	36 Megapixel
Detector:	DX-format CMOS Image sensor
Focus:	Auto Focus
Lens:	180mm (optional 135mm)

Accessories

Standard Config:	TCU, HCU, IFU, Cables
Optional:	Radiometric Package including Report generating Software. Laser Range Finder.
Installation Kit:	Available for most helicopter types, please enquire.





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