SWESYSTEM

300 HDIR

RADIOMETRIC CAPABILITIES IN HD RESOLUTION

-High Definition IR 1024x768 pixels

-Full HD TV 1080p

Two unique sensors combined into a compact Dual Camera platform.

Ideal for temperature measurement applications.

300 HDIR

Responsive and accurate control

A good choice for Power Line Inspection, Fire Mapping and Pipeline Inspection.

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

Reliability and Lightweight
In order to insure a reliable and lightweight gimbal platform, the Swesystem solution is 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 images with real time temperature measurement for efficient Thermal inspections.

GPS tagging
All images are tagged with GPS data for Geo-reference.

www.swesystem.se * info@swesystem.se * Phone: +46 (0) 16 708 60 * Fax: +46 (0) 16 705 04 * Stationsvägen 46 640 43, Ärla, Sweden

300 HDIR Technical

Gimbal System

Type:	Four Axis Active Gyro Stabilized Gimbal
Stabilization:	≈ 15 µRad
Coverage Az:	360° continuous
Coverage El:	+90° to -120°
Dimension:	Ø 300 mm (11.8")
Weight:	17kg (37lb)
Power:	20-30VDC, 250W

Thermal IR Camera

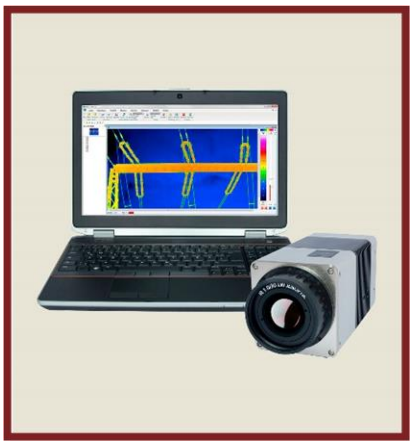
Array Size:	1024x768 pixels
Lens:	12°x16° (optional 24°x32°)
Detector:	Micro bolometer FPA
Spectral Range:	7.5-14µm
Thermal sensitivity:	<0.05K
Focus:	Manual and Auto Focus
Digital Zoom:	Yes
Temp Accuracy:	+/-1.5°C, (+/-1.5% of reading)

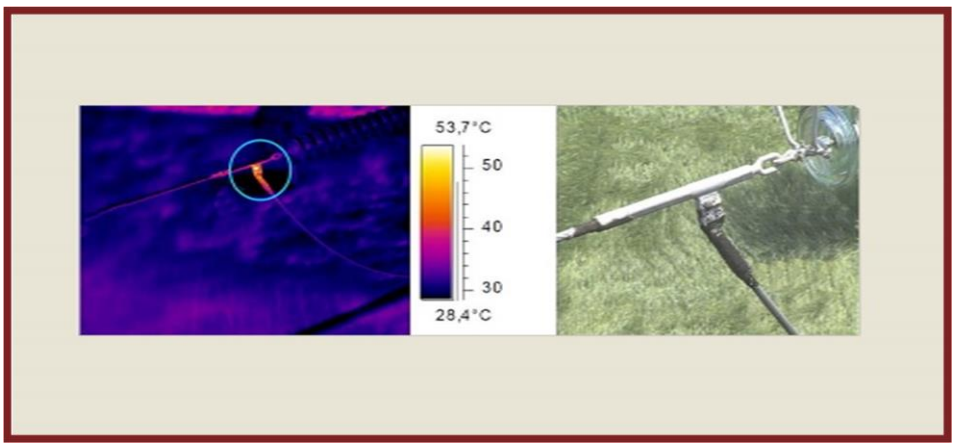
Daylight TV Camera

Type:	Full HD 1080p
Image Sensor:	1/2.8" CMOS
Number of pixels:	≈ 2,38 Megapixels
Optical Zoom:	30x (60° to 2°)
Digital Zoom:	Yes

Accessories

Standard Config:	Turret Camera Unit, Hand Control Unit, Interface Unit, Cable Kit.
Optional:	Radiometric Package including Report generating Software. IMU/INS for GEO reference capabilities.
Installation Kit:	Available for most helicopter types, please enquire.





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