

> Ultra 8500[®] XR

COMPACT LONG RANGE AIRBORNE MULTI-SENSOR SYSTEM



FEATURES

450 mm of IR zoom

High resolution, digital video processing (HRVP)

Smallest, lightest gimbal in its class

Powerful 26x daylight, lowlight camera

Continuous or 3-step matched zoom on all sensors

Laser pointer option

Simplified Hand Controller (SCU)

Color on-screen graphics

Plug and play commonality

Proven reliability

It's all FLIR inside

BENEFITS

Delivers more range than any other compact sensor allowing you to fly higher and see more

Delivers perfectly contrasted thermal imagery regardless of scene dynamics

At 9" and 29 pounds, it can be installed on almost any rotary or fixed wing aircraft

Perfectly matched in zoom to the thermal imager

Maintain sight of the target while switching between zoom levels

Increase mission effectiveness when directing ground forces equipped with night vision scopes commonly carried with K-9 units

Ergonomic and NVIS compatible control options are intuitive and rugged

Intuitive interface increases operator effectiveness and situational awareness

Leverages largest STC'd install base, reducing cost and red tape

Designed under the FLIR Systems "commercially developed — military quality" (CDMQ) model, Ultra series systems are engineered to endure

FLIR controls the entire supply chain for the critical technology inside Ultra class gimbals, ensuring fast service and long term support

APPLICATIONS

Patrol

Surveillance

Reconnaissance

Search and Rescue



TV Camera WFOV



TV Camera NFOV

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Lowlight CCD Imagery



Sharp IR Imagery



Laser Pointer/Illuminator

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SYSTEM OVERVIEW

System type	Gyro stabilized multi-sensor
Size	22.9 dia x 34.3 h cm (9 dia x 13.5 h in.)
Weight (with standard payload)	13 kg (29 lb)

THERMAL IMAGING PERFORMANCE

Sensor type	InSb Focal Plane Array
Wavelength	3 - 5 μ m response
FOVs	
Wide	21.7° x 16.9°
Medium	Continuous zoom or preset to 4.4° x 3.3°
Narrow	1.22° x 0.915°

DAYLIGHT IMAGING PERFORMANCE

Sensor type	Daylight/low light high sensitivity CCD
Zoom settings	Matched to IR
Automatic features	Contrast, brightness

LASER POINTER OPTION

Type	NVG compatible - target pointing
Classification	Class IIIb

SYSTEM SPECIFICATIONS

Az coverage	360° continuous
EI coverage	360° continuous
Slew rate	.02° to 65° /sec

ELECTRONIC CONTROL UNIT

Dimensions	27 x 25 x 15 cm (10.6 x 9.9 x 5.9 in.)
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OUTPUTS

Analog or digital video, NTSC, PAL	RS-170, NTSC, RGB, PAL
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POWER

Power requirements	19V DC to 32V DC max surge 15 amps
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INCLUDED ACCESSORIES IN STANDARD PACKAGE

Stabilized gimbal assembly, Electronics Control Unit, simplified hand control unit, standard cable kit

OPTIONS

Autotracker, nav interfaces, quick disconnect mounts, Nightsun interface, flat panel displays, moving map interfaces

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited.
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