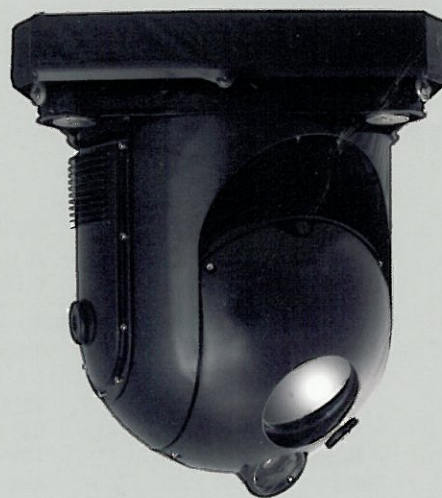


# UltraForce<sup>®</sup> 350

COMPACT ELECTRO-OPTICAL AIRBORNE GIMBAL



## APPLICATIONS

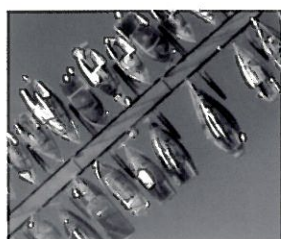
COUNTER DRUG  
HOMELAND SECURITY  
PATROL  
SURVEILLANCE  
RECONNAISSANCE  
SEARCH AND RESCUE

## FEATURES

Lightweight high stiffness composite body  
Multiple FOV's 3-5 $\mu$ m thermal imagers  
Daylight color camera with 26x zoom  
4 axis active stabilization  
EASA Certified installations  
It's all FLIR inside

## BENEFITS

Reduces weight for increased mission range.  
Large format 640 x 512 infrared camera allows for positive target analysis at safe stand-off ranges in all weather conditions.  
Maximizes standoff range and target acquisition during daytime surveillance missions; the low light function extends operation into dawn or dusk.  
Provides stable imagery by compensating for aircraft movement and vibration, critical for long range imaging.  
The system can be delivered with EASA Form 1 certification  
FLIR controls the entire supply chain for the critical technology inside its Ultra class gimbals, ensuring fast service and long-term support





## UltraForce<sup>®</sup> 350

### OVERVIEW

Gimbal size	350 mm (D) x 490 mm (H)
Gimbal weight	20 kg
Environmental	RTCA DO-160E

### THERMAL IMAGING PERFORMANCE

Sensor type	3rd gen 640x512 3-5 $\mu$ m focal plane array
FOVs	
Wide	22° x 16°
Medium	6.6° x 5.2°
Narrow	1.7° x 1.3°
Focus	Auto focus and manual focus available
Ezoom	2x

### DAYLIGHT IMAGING PERFORMANCE

Sensor	Super HAD Color
Resolution	740 000 pixels (PAL) 630,000 pixels (NTSC)
Fields of view	42° to 1.6° optical continuous zoom
Low light level	Without IR cut-off filter
Ezoom	2x

### SPOTTER SCOPE OPTION

Sensor type	EMCCD
Field of view	15° to 0.5° continuous zoom
Sensitivity	10 $\mu$ Lux

### GIMBAL SPECIFICATIONS

LOS Pan range	360 degrees continuous
LOS Tilt range	+20 / -120 degrees
AZ/EL slew rate	Up to 60°/s
Stow	Magnetically held in stow position

### ELECTRONICS CONTROL UNIT

Hand Controller Unit	0.8 kg, 230 mm Height
Control Unit	233 mm (D) x 145 mm (H) x 118 mm (W), 2.7 kg

### OUTPUTS

Analog	RS-170, NTSC, PAL, CCIR
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### POWER

Power requirements	22-30 VDC < 150 W
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### OPTIONS

Auto-tracker, Laser Range Finder, search light slaving, GPS interface

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GOVERNMENT SYSTEMS