

UltraMedia[®] HD

THE SYSTEM OF CHOICE



FLIR's UltraMedia HD leads the airborne broadcast industry in image quality and reliability. UltraMedia HD incorporates the latest generation broadcast-quality high definition imaging systems: the Sony HDC-1500, and Fujinon's high-quality HA42X13.5ERD 1140mm optical zoom lens. Fujinon's HA42X9.7ERD lens is also available.



Extreme Stability

The UltraMedia family leads the world in high-performance gyro-stabilization, and UltraMedia HD has the best stabilization yet – better than 5 microradians. This means that you will deliver jitter-free imagery regardless of aircraft motion caused by maneuvering or turbulence. UMHD's advanced, microprocessor-controlled gyro-stabilization system makes solid imagery possible from greater ranges than ever before.

Highest Magnification

The UltraMedia HD's unprecedented 1140mm focal length and best in class Hi Def camera give you the news gathering edge. Capture more of the action in crisp, stunning detail from higher, safer altitudes without sacrificing wide angle performance. FLIR incorporates all the HDC-1500's functionalities, including a digital 2X extender which effectively doubles the size of the images at the center of the shot. This effective doubling digitally increases the 84x zoom at 1140mm to 168x at 2280mm without losing any light-gathering capacity.

Upgradeability

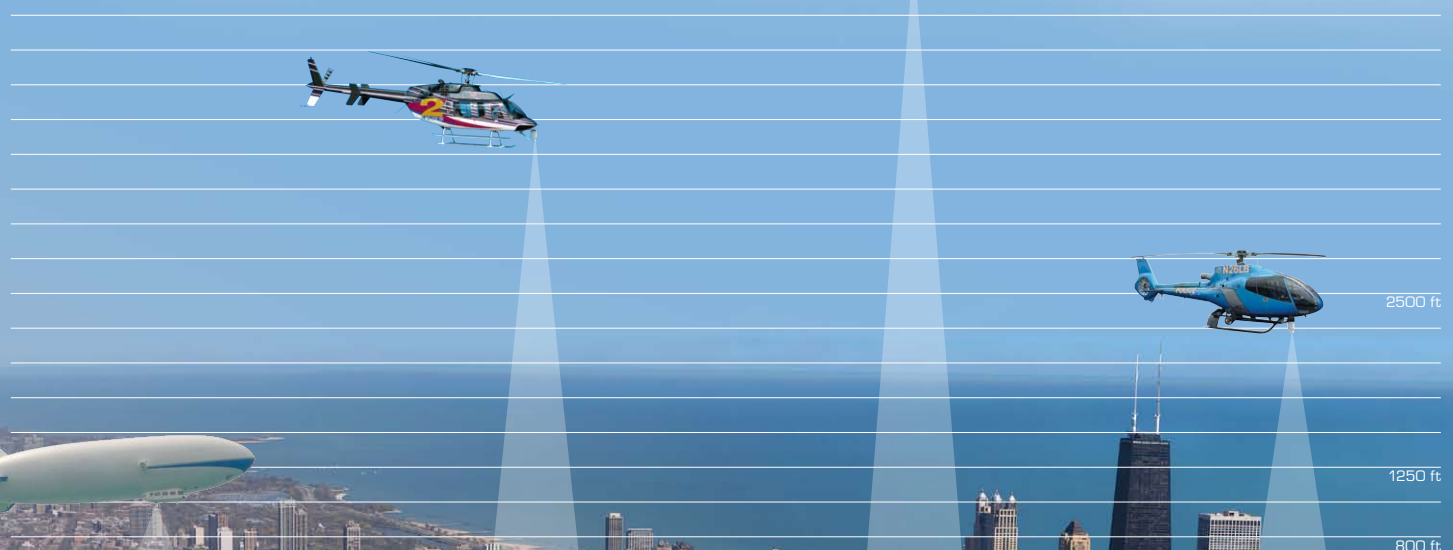
The modularity of the UltraMedia family of systems supports various cameras and lenses. Operators of the standard definition UM III appreciate the easy upgrade path to HD.

The Ultimate in Reliability

FLIR's experience creating imaging systems for military use gives UltraMedia HD an edge over the competition: UMHD thrives in conditions that prove fatal to other airborne cameras. UMHD is the only fully sealed airborne camera system on the market with all-weather construction, solid directional control and low operational noise.

Here Today, Here Tomorrow

FLIR has a reputation for unparalleled service and support. With thousands of systems in the field, only FLIR has a worldwide network of service centers and highly trained field service technicians. What's more, FLIR has more loaner systems than all other manufacturers combined. FLIR leads the way in customer service and support.





UltraMedia® HD
THE SYSTEM OF CHOICE

Gimbal Specifications

Active Gyro-stabilization	5-axis stabilization, 1/2 pixel at 2X NFOV
Field of Regard	Elevation: +15° to -105° Azimuth: +360° continuous
Maximum Slew Rate	>60°/sec.
Maximum Slew Acceleration	400°/sec./sec.
Diameter	15 in. (381 mm)
Height	17.6 in. (477 mm)
Weight (w/camera and lens)	88 lbs. (39.92 kg)
Electrical Input Voltage	22-29 VDC 10 amps
Gimbal Power	Quiescent 75 watts max. Continuous 160 watts max. Transient 300 watts max.

Environmental Specifications

Operating Temperature	-15°C to 45°C
Storage Temperature	-40°C to 70°C
Packaging	Hermetically sealed
Shock	20 g 11 msec.
Vibration	5 to 500 Hz, sinusoidal max. 1.5 mm or 2 g
Humidity	0-95%

Camera & Lenses

Sony	HDC-1500	
Pickup	3-CCD, 2/3" 16:9	
Effective elements	1920 x 1080	
SNR	54 dB (typical)	
Horizontal resolution	1000TVL	
HD: SDI Outputs	SMPTE 292M, 1080/50i, 60i, 30P, 25P, 24P, 720/60P, 50P	
Fujinon Lens Options	HA42x13.5 ERD	HA42x9.7 ERD
Focal Length	13.5 – 1140mm	9.7 – 820mm
Field-of-View Range	39°x22° - 0° 29'x0° 16'	52°x31° - 0° 40'x0° 23'
Iris Range	F/2.8 – F/16	F/2 – F/16

Laptop Controller

Features Sony RM-B750 Remote Control with memory stick configuration
Ergonomic, Rugged and Lightweight

Systems & Accessories

STC certified aircraft mounts; microwave downlink systems; turnkey system installations; UltraMedia II upgrade kit. Please contact your authorized FLIR Systems representative for additional detail and availability



SANTA BARBARA
CVS World Headquarters
FLIR SYSTEMS, INC.
70 Castilian Dr.
Goleta, CA 93117
USA
PH: +1 805.964.9797
FX: +1 805.685.2711

PORTLAND
Corporate Headquarters
FLIR SYSTEMS, INC.
27700A SW Parkway Ave.
Wilsonville, OR 97070
USA
PH: +1 877.773.3547
FX: +1 503.498.3904
www.flir.com