



> Cineflex HiDEF Stabilized High-Definition (HD) Camera System

FEATURES

Proven Performance in Television and Film

True HD Image Clarity

5-Axis Gimbal Assembly for Unmatched Stability

Reliable Operation in the Harshes Environment

Interchangeable Lens Options

Compact Size and Weight

Ergonomic, User-Friendly Design

Easily Integrated Onto a Wide Variety of Platforms

Easy Accessibility to Control Functions During Flight

The **Cineflex HiDEF** leads the broadcast and production industry with its unparalleled 5-axis gyro-stabilization, providing the smoothest shots even in the air, at sea and on rough terrain. The system is lighter and more compact than competing systems, making it the superior choice for aerial production.

The Cineflex HiDEF uses a professional broadcast capture device, the Sony® HDC-1500, to provide true scene fidelity. It accepts multiple Fujinon® lenses for optical zoom capabilities ranging from the widest fields-of-view to the longest focal lengths available. In addition to aerial platforms, this system has proven capability mounted on cable and rail systems, cars, trucks, boats and other mobile platforms.

Cineflex is a product family of General Dynamics Global Imaging Technologies, a provider of high-performance camera systems and components.

HD DAYLIGHT SENSOR

Camera	Sony HDC-1500
Sensor Type	3-CCD 2/3"
Effective Pixels	1920(H) x 1080(V)
Aspect Ratio	16:9
Resolution	1080p, 720p, NTSC/PAL
Spectrum System	F1.4 prism system
Built in Filters	1: Clear, 2: 1/4ND, 3: 1/8ND, 4: 1/16ND, 5: 1/64ND A: Cross, B: 3200K, C: 4300K, D: 6300K, E: 8000K
Servo Filter Control	Yes
Sensitivity	F10 at 2000 lx (3200k, 89.9% reflectance)
Signal-To-Noise Ratio	54dB (typical)
Horizontal Resolution	1000 TV lines

LENS OPTIONS

The camera system can be adapted for multiple lens configurations upon request

Angènieux™ 40 x 22*	(22mm to 1760mm optical)*
Angènieux™ 40 x 11	HD ISF (11mm to 880mm optical)
Fujinon™ HA 42 x 13.5	(13.5mm to 1134mm optical)
Fujinon™ HA 42 x 9.7	(9.7mm to 815mm optical)
Fujinon™ HA 23 x 7.6	(7.6mm to 350mm optical)
Fujinon™ HA 14 x 4.5	(4.5mm to 138mm optical)

*Note – Non-interchangeable lens option

SYSTEM SPECIFICATIONS

System Type	5-axis gyro-stabilized
Azimuth Coverage	360° Continuous
Elevation Coverage	+30° to -195°
Roll Coverage	+/- 45°
Slew Rate	>55°/sec*
Max Slew Acceleration	100° / sec ²

*Angènieux 40 x 22 Lens Option Slew Rate <35°/sec

Manufacturer reserves the right to change specifications to reflect latest changes in technology and improvements at any time without notice. Export is subject to U.S. Government regulations.



DS3-1211-2a

DIMENSIONS

Turret	19.8" x 14.9"
Lens Enclosure	8.5" (D) x 0.5" – 7.5" (L)
Auxiliary Control Unit	14" x 19" x 6"
Laptop Control Unit	17" x 8.75" x 1.8"
Cable Set	20' length

WEIGHT

Turret	65-74 lbs.
Lens Enclosure	N/A
Auxiliary Control Unit	27 lbs.
Laptop Control Unit	5 lbs.
Cable Set	9 lbs.

POWER

Input Voltage	28 VDC +/- 10%
Power – Quiescent	85 Watts
Power – Continuous	170 Watts
Power – Transient	230 Watts

SYSTEM INTERFACES

Digital serial	RS-232/422
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INCORPORATED CAMERA ACCESSORIES

Sony HKC-T1500	Block Extension Adaptor
Sony RM-B750	LCD touch-panel screen



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