



Benefits

- Proven Performance in Television and Film
- True HD Image Clarity
- 5-Axis Gimbal Assembly for Unmatched Stability
- Reliable Operation in the Harshesht Environments
- 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

Cineflex HiDEF

Stabilized High-Definition (HD) Camera System

From the World Cup and the Olympics to Discovery Channel's "Planet Earth" and Paramount Pictures' "Transformers," Cineflex camera systems have been used to capture the defining moments of high-profile sporting events, television series and films. The quality and innovation of the Cineflex system sets a new standard for digital cinema.

The Cineflex HiDEF delivers true HD imagery with a 5-axis gyro-stabilized gimbal for unparalleled stability. The system's Sony® HDC-1500 professional broadcast camera provides unmatched color clarity and resolution. The system is available with interchangeable long-range and wide-angle lenses for enhanced cinematography applications.

Cineflex is a product family of General Dynamics Global Imaging Technologies, a provider of high-performance camera systems and components. General Dynamics provides customers with the clarity, accuracy and reliability to capture the shot that matters and successfully complete their mission.

Cineflex HiDEF

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, 3520mm digital)*
Angènieux™ 40 x 11	HD ISF (11mm to 880mm optical, 1760mm digital)
Fujinon™ HA 42 x 13.5	(13.5mm to 1134mm optical, 2268mm digital)
Fujinon™ HA 42 x 9.7	(9.7mm to 815mm optical, 1630mm digital)
Fujinon™ HA 23 x 7.6	(7.6mm to 350mm optical, 700mm digital)
Fujinon™ HA 14 x 4.5	(4.5mm to 138mm optical, 276mm digital)

*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° / sec2

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

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

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.



DS3-0112-6a

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