

V14 HD

Gyro-Stabilized HD



The Axsys Cineflex V14 HD is a state of the art, fully digital 5-axis gyro-stabilized servo control system with an integrated high definition daylight camera and laptop controller.

Small and lightweight, the V14 HD offers high performance in a compact package designed for surveillance and security, in addition to its natural pre-eminence in broadcast, production and electronic news gathering (ENG) applications. The V14 HD relies on an extremely accurate gimbal system that provides sharp, stable performance and comprehensive control of azimuth, elevation and roll. Its flexible high-definition daylight camera accepts multiple lens configurations with optical zoom capabilities extending from wide field of view to long range narrow fields of view. The versatility of the V14 HD ensures precise image acquisition at a variety of distances, while an incorporated ergonomic laptop offers intuitive portable control of all features. The V14 HD by Axsys Technologies can be trusted to deliver the sharpest and steadiest video quality in a variety of weather conditions, and on a multitude of aerial, land and marine-based platforms.

www.axsys.com

KEY FEATURES

- Auto and Manual Focus
- 5-axis Stabilization
- Image Quality
- Interchangeable Lens Options
- Compact Size and Weight
- Ergonomic, User Friendly Design

KEY BENEFITS

- Visibly superior accuracy.
- High definition color imagery for day and lowlight operations.
- Includes the latest hyper-gamma and hyper-gain software advancements.
- Ability to interchange between different lens options in the field.
- Versatile, lightweight, compact and rugged.
- Easy accessibility to control functions during flight operations

V14 HD

HD Daylight Imager

Camera	Sony HDC-1500
Sensor Type	3-CCD 2/3"
Effective Pixels	1920(H) x 1080(V)
Aspect Ratio	16:9
Frame Rates	1080/50i, 60i, 30P, 25P, 24P, 720/60P, 50P
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	1000 TV lines

Lens Options

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

Angénieux™ 40 x 22*	(22mm to 1760mm optical, 3520mm 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 22 x 7.8	(7.8mm to 343mm optical, 686mm digital)
Fujinon™ HA 13 x 4.5	(4.5mm to 117mm optical, 234mm digital)

*Note – Non-interchangeable lens option

Incorporated Camera Accessories

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

System Specifications

System Type	5-axis gyro-stabilized
Azimuth Coverage	360° Continuous
Elevation Coverage	+20° to -195°
Roll Coverage	+/- 45°
Slew Rate	>55°/sec
Maximum Slew Acceleration	100°/sec ²

Dimensions

Turret	14.5" x 19.5"
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.
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

Communication Link

Interface	Digital serial (RS-422)
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