

## Cineflex V14 HD



The Axsys Cineflex V14 HD System is a state of the art 5-axis gyro-stabilized, fully digital servo control system with an integrated high definition daylight camera and laptop controller. Small and lightweight, it offers high performance in a compact package designed for surveillance and security as well as for cinema and news gathering 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 capacities extending from short range wide fields 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.

Axsys provides leading-edge IR equipment to the security and surveillance sector. Axsys' proprietary optical designs, state-of-the-art laboratories, and vertically integrated manufacturing capabilities ensure maximum performance and dependability.

## Security/Surveillance

### 5-Axis Gyro-Stabilized, High Definition Camera System

- Extremely Accurate Gimbal System
- Automatic and Steerable Field of View
- Continuous 360° Pan (Azimuth)
- +20° to -195° Tilt (Elevation)
- +/- 45° Roll
- High Definition Daylight Imager
- f/1.4 Prism System
- Multiple Lens Options
- Full Digital Servo Control System
- Choice of Ergonomic Laptop Control Units



## Cineflex V14 HD System Specifications

<b>Axsys Part Number</b>	XXXXX.
<b>Stabilization</b>	5 Axis Gyro-Stabilized, Full Digital Servo Control System.
<b>Field of View</b>	Automatic and Steerable.
Pan (Azimuth)	360° Continuous.
Tilt (Elevation)	Upward,+20° to Downward -195°.
<b>Roll</b>	+/- 45°.
<b>Maximum Slew Rate</b>	>55°/sec.
<b>Maximum Slew Acceleration</b>	100°/sec <sup>2</sup> .
<b>Position Resolution</b>	.001°.
<b>Electronics</b>	High Speed 32bit DSP.
<b>Communication Links</b>	Bi-directional RS422 and RS232.
<b>Electrical Input Voltage</b>	28VDC ±10%.
<b>Turret Power</b>	
Continuous	170 watts max.
Quiescent	85 watts max.
Transient	230 watts max.
<b>Operating Temperature</b>	-20° to +45° C.
<b>Weight</b>	
Turret (dep. on lens)	45-68 lbs.
Auxiliary Control Unit	27 lbs.
Laptop Control Unit	5 lbs.
Cable Set	9 lbs.
<b>Dimensions</b>	
Turret	19.5 x 14.5 x 19.5 in.
Auxiliary Control Unit	14 x 19 x 6 in.
Laptop Control Unit	17 x 8.75 x 1.8 in.
Cable Set	20 ft. length.

## HD Camera

<b>Model</b>	Sony HDC-1500.
<b>Pickup Device</b>	2/3 " 3-CCD, Type 16:9.
<b>Effective Pixels</b>	1920(H) X 1080(V).
<b>Spectrum System</b>	f/1.4 Prism System.
<b>Filter Control</b>	Servo.
<b>Sensitivity</b>	f/10 at 2000 lux. (3200K, 89.9% reflectance).
<b>Signal-to-Noise Ratio</b>	54dB (typical).
<b>Horizontal</b>	1000 TV lines.
<b>Video Format</b>	1080/60p, 50p, 30p, 1080/60i, 50i, 1080/24p, 25p, 720/60p, 50p.

## Incorporated Camera Accessories

<b>Sony HKC-T1500 CCD</b>	Block Extension Adapter.
<b>Sony RM-B750</b>	<ul style="list-style-type: none"> <li>• LCD touch-panel screen.</li> <li>• Direct push buttons.</li> <li>• Memory Stick™ media card slot to recall setup parameters.</li> </ul>

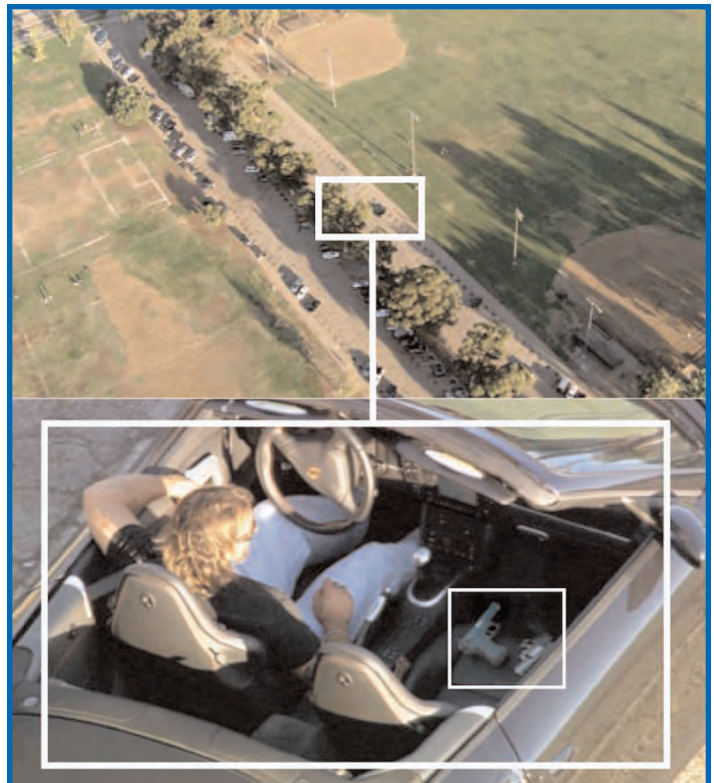
## Lens Options

<b>Fujinon HA42X13.5</b>	13.5mm to 1134mm optical, 2268mm digital).
<b>Fujinon HA42X9.7</b>	9.7mm to 815mm optical, 1630mm digital).
<b>Fujinon HA22X7.8</b>	7.8mm to 343mm optical, 686mm digital).
<b>Fujinon HA13X4.5</b>	4.5mm to 117mm optical, 234mm digital).

The camera system has the versatility to exchange between multiple lens configurations upon request.

## Available Control Units

Typical laptop shown; other options available.



V14 HD Frame Grab



AXSYS TECHNOLOGIES, IR SYSTEMS, INC.  
380 Crown Point Circle • Grass Valley, CA 95945 • USA  
+1.530.477.5862 • FAX: +1.530.477.5876  
www.axsys.com

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



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