



System Specifications

System Type	5-axis gyro-stabilized, Full Digital Servo and Control System, High Performance/ Small/Lightweight
Field of Regard	Automatic and Steerable
Azimuth Coverage	360° Continuous
Elevation Coverage	+20° to -195°
Roll Coverage	+/- 45°
Slew Rate	>55°/sec
Maximum Slew Acceleration	100°/sec ²
Position Resolution	.001°
Electronics	High Speed 32bit DSP
Communication Links	Bi-directional RS422 and RS232
Operating Temperature	-20° to +45° C

HD Daylight Imager

Camera	Sony HDC-1500
Imaging Device	3-CCD 2/3"
Effective Pixels	1920(H) x 1080(V)
Aspect Ratio	16:9
Frame Rates	1080/60p-50p-30p, 1080/60i-50i, 1080/24p-25p, 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

Dimensions

Item	Weight	Dimensions
Turret (dependent on lens)	65-68 lbs.	14.5" x 19.5" x 19.5"
Auxiliary Control Unit	27 lbs.	14" x 19" x 6"
Laptop Control Unit	5 lbs.	17" x 8.75" x 1.8"
Cable Set	9 lbs.	(20' length)

Power

Input Voltage	28 Vdc ± 10%
Power – Quiescent	85 Watts
Power – Continuous	170 Watts
Power – Transient	230 Watts

Main Control Unit

Interface	Digital serial (RS-422)
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Incorporated Camera Accessories

Sony HKC-T1500 CCD	Block Extension Adaptor
Sony RM-B750	LCD touch-panel screen, direct push buttons plus Memory Stick™ media card slot to recall setup parameters

Lens Options

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

Angènieux™ 40 x 11 AIF-HR	(11mm to 880mm optical, 1760mm digital)
Angènieux™ 40 x 22 AIF-HR	(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)

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