

ULTRAMEDIA-RS™

Broadcast Aerial Camera Systems

Gimbal Specifications

<i>Active Gyro-Stabilization</i>	Five-axis stabilization, sub pixel stability at 2X NFOV	
<i>Field of Regard</i>	Elevation	+20° to -105°
	Azimuth	360° continuous
<i>Roll</i>	+/-20°	
<i>Maximum Slew Rate</i>	>60°/sec.	
<i>Maximum Slew Acceleration</i>	150°/sec./sec.	
<i>Size</i>	Diameter	11 inches (280 mm)
	Height	14 inches (356 mm)
<i>Weight (w/camera and lens)</i>	35 lbs. (15.9 kg.)	
<i>Electrical Input Voltage</i>	22-29 VDC	
<i>Gimbal Power</i>	Quiescent	75 watts max.
	Continuous	150 watts max.
	Transient	280 watts max.
<i>Operating Temperature</i>	-25°C to 45°C	
<i>Storage Temperature</i>	-40°C to 70°C	
<i>Shock</i>	20g 11msec.	
<i>Vibration</i>	5 to 500 Hz, sinusoidal max. 1.5 mm or 2g	
<i>Humidity</i>	0-95%	

Camera Specifications

<i>Pickup</i>	3 CCD color 1/2" format NTSC or PAL		
<i>Picture Elements</i>	335,544 pixel elements (NTSC), 396,342 pixel elements (PAL)		
<i>Horizontal Resolution</i>	700 TVL		
<i>Video S/N Ratio</i>	60dB typical (NTSC), 56dB typical (PAL)		
<i>Sensitivity</i>	f7.0 @ 2000 Lux for NTSC, f5.6 @ 2000 Lux for PAL		
<i>Minimum Illumination</i>	10 Lux, f1.4 (NTSC), 15 Lux, f1.4 (PAL)		
<i>Gain Selection</i>	0/+9/+18dB/AGC		
<i>Optical Filters</i>	1. 3000K	2. 5600K	3. 5600K + 1/8 ND

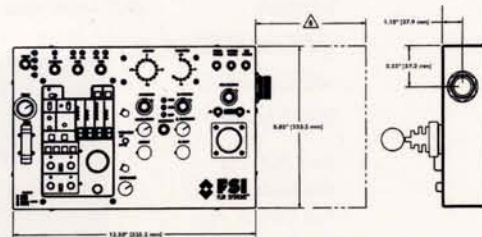
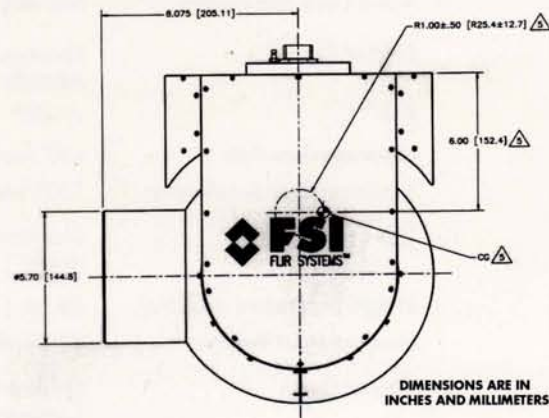


Lens - Canon H20a x 6 IAS

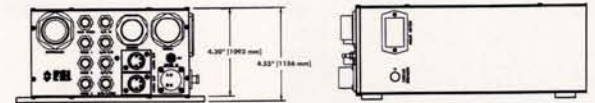
<i>Zoom Ratio</i>	20:1	(40:1 with motorized 2X extender)
<i>Focal Range</i>	1X 2X	6-120 mm, F1.4 to 93 mm, F1.8 at 120 mm 12-240 mm, F2.8 to 186 mm, F3.6 at 240 mm
<i>Angular FOV</i>	1X 2X	56.1° x 43.6° @ 6 mm 3.06° x 2.29° @ 120 mm 29.9° x 22.6° @ 12 mm 1.53° x 1.15° @ 240 mm

Systems and Accessories

Contact FSI for information on available microwave downlink systems and turnkey system installations.



SYSTEM CONTROLLER ASSY.
5.0 LBS [2.3 Kg]



CAMERA BODY UNIT
4.5 lbs. [6.6 Kg]

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