



ADVANCED MANUFACTURING ENGINEERING TECHNOLOGIES

Specifications – Camera Head

Image Sensor	½" IT CCD	
Effective Pixels	hor.: 768 pixels	vert.: 494 pixels
Effective Image Area	hor.: 6.54 mm	vert.: 4.89 mm
Resolution (htv)	>470 lines	
Min. Illumination	5 lux (F1.6, 3000K)	

Specifications – Control Unit

Scanning System	2:1 interlace	
Scan Frequency	hor.: 15.374 kHz	vert.: 59.94 Hz
S/N Ratio	46 dB or greater	
Video Output	VBS 1.0 V (p-p): NTSC via BNC Connector: Y/C via S terminal	
Output Impedance	75 ohms, unbalanced	
External Sync	input: VBS 1.0V (p-p): NTSC via BNC connector: 75 ohms, unbalanced	
	adjustment function: subcarrier phase, H phase	
White Balance	automatic / set / manual	
Gain Switch (AGC)	sens up (+6dB) / on / off	
Electronic Shutter	auto, 1/60 sec, 1/100 sec, 1/250 sec, 1/500 sec, 1/1000 sec	
	1/2000 sec, 1/4000 sec, 1/10,000 sec, synchronized scan	
Gain Switch	sens up (+6dB) / on / off	

Camera Features and Benefits

- Focus and iris adjust remotely, adapting to changing weld conditions.
- Optional air/water cooling protects internal components from high heat.
- Body, window, and cable tolerate weld spatter, weld fields, and EMI.
- Interchangeable filters permit optimum viewing of virtually any welding process.
- ½" IT CCD imager delivers resolution of 470-plus TV lines.

