

CSH-1.6"-R2(-P)

1/6" CCD-Video Camera Head

Rev 1.1



Features:

- 1/6"-Color-CCD
- Diameter <4.9mm
- Diameter w/ Lens and Housing <6mm
- 1.5m-15m Cable Length
- High Accuracy and Resolution
- "Plug and Play" System available!



Applications:

- **Medical:** Endoscopy
- **Industrial:** Visual inspection of tubes and cramped or contaminated spaces
- **Military and Security:** Inconspicuous and hard to detect surveillance

Technical Specifications:

Type	CSH-1.6"-R2	CSH-1.6"-R2-P
TV System	NTSC	PAL
Active Pixel	758(H) x 492(V)	752(H)x582(V)
Active Image Area (H x V)	2.4mm x 1.8mm (4:3)	2.4mm x 1.8mm (4:3)
Scanning Lines (TV)	525	625
Scanning System	2:1 Interlaced	2:1 Interlaced
Scanning Frequency Hor.	15.743kHz	15.625kHz
Scanning Frequency Vert.	59.94Hz	50Hz
Sensitivity	280mV	
min. Ligthning	<2.76lx @ 0dB Gain, 20ms shutter	
Sepctral Range	380nm...700nm (w/o Filter)	
Dimensions w/o Cable	3.4mm x 3.6mm x 9.3mm	
Weight w/o Cable	2.4g	
Operating Temperature	0...+40°C	
Extended Operating Temp.	-10°C...+80°C	
Storage Temperature Range	-40°C...+110°C	

Accessories:

- Objectives with 70° and 135° aperture angle (imposed on the camera head)
- 1.5m...15m high quality flexible and durable cable with 19-pin LEMO connector
- Controller and Interface Box "NET KS600" featuring:
 - 3.8mm x 10.5mm x 18.5mm aluminium housing
 - 12V (±10%), 330mA Power Supply
 - Composite and Y/C Outputs
 - SYNC Input
 - Cable Length Compensation
 - Automatic Gain Control (AGC)
 - Automatic White Balance (AWB)
 - RS-232 Interface (for Remote Configuration)
- IR-Filter (not detachable)
- Customer Specific Versions Available!

