

IK-HM51H



Features

- Compact, lightweight, easy to install
- 1/6" Sony CCD camera head
- Only 43mm long and 7mm diameter
- 480 TV line resolution
- High quality image for its size
- Available in a variety of cable lengths
- RS-232C allows PC Control of CCU

Introducing a versatile 1-CCD micro camera system utilising a 1/6" CCD sensor and only 7mm diameter.

Consisting of:

- IK-CU51 Camera Control Unit
- IK-HM51H 1/6" 7mm dia. Camera with 3, 5, 10 or 12m cable attached


The system delivers excellent image resolution for its compact dimensions providing huge flexibility.

Applications:

Broadcast, covert security, Military, quality control, inspection/ process monitoring, nuclear, robotics, aviation, education, etc.

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Power Supply	12 V DC 0.5V (use AC-M601E for medical applications)
Power Consumption	360 mA
Image Sensor	1/6" SONY IT-CCD
Effective Pixels	Horizontal: 752 Pixels, Vertical: 582 Pixels
Effective Image Area	H: 2.4mm, V: 1.8mm (1/6")
Scanning System	2:1 Interlace
Scan Frequency	Horizontal: 15.625 KHz, Vertical: 50Hz
Sync System	Internal/External (automatic switching)
Resolution	480 TV lines
Sensitivity	8 lux at F1.4
Minimum Intensity of Illumination for objects	2.5lx (F1.6, 3000K)
S/N Ratio	46dB or more
Video Output	VBS 1.0 V (p-p), (BNC terminal) PAL System Y/C separation output (S terminal)
Output Impedance	75 ohms unbalanced
External Sync Input	VBS 1.0 V (p-p), (BNC terminal) PAL 75 Ohm unbalanced
Adjustment function	Subcarrier phase, H phase
White Balance	Automatic/set/manual
Gain Switch (AGC)	SENS UP (+6 dB)/ON/OFF
Electronic Shutter	Automatic, 1/50s, 1/100s, 1/250s, 1/500s, 1/1000s, 1/2000s, 1/4000s, 1/10000s, synchronized scan
Power supply	AC-M601E (12V DC)
Operating Temperature / Humidity	-10° C to +40° C (14°F to 104°F) / Less than 90%
Anti-vibration/shock Characteristics	70 m/s ² (10 to 200 Hz) / 700 m/s ²
Weight (IK-CU51 CCU) (Camera)	390g (0.86 lbs) 10g (0.33 oz)
Dimensions (IK-CU51 CCU) (Camera)	W: 85mm, H: 40mm, D: 156mm (W: 3.35", H: 1.57", D: 6.14") Length 43.0mm, Dia 7.0mm (cable hard wired to camera) Available with the following cable lengths: 3, 5, 10 or 12metres

Camera - CCU Cable options	
3 metre	Hard wired to camera
5 metre	
10 metre	
12 metre	

LENS IK-UM51H (1/6") LENSES			
Part No.	Focal Length	F No	H Angle of View
JKL-02S	2.2	2.8	57.62
JKL-04S	4.0	2.5	30.72
JKL-08S	8.0	2.8	15.66