

**Compact Size
+
Remote Micro - Head
with diameter 17mm or 12mm**

CS8421

CS8431

Remote Head B/W CCD Camera

CS8421/CS8431 are remote head type B/W cameras which employs 1/2" and 1/3" CCD with 380k (440k for CCIR) pixel

CS8400

series

REMOTE HEAD

1/2"

CS8421 / CS8421C

1/3"

CS8431 / CS8431C

CS8400 series

Remote Head

■ Composition	1
● Camera head	1
● Accessory	1
Operation manual	1

CS8421 / CS8421C (1/2") CS8431 / CS8431C (1/3")

Features

Compact and light weight

Compact size, light weight, industrial design of camerahead and power voltage of DC12V, are suitable for any system integration.

High reliability

Vibration and shock resistant structure, generally required for FA system, are remarkably improved. And they are suitable for every semiconductor manufacturing devices and any other automation system.

High resolution

High resolution of 570 TV lines (in horizontal) and high density with less interference is ensured because of the employment of 380K(440KforCCIR) pixelCCD.

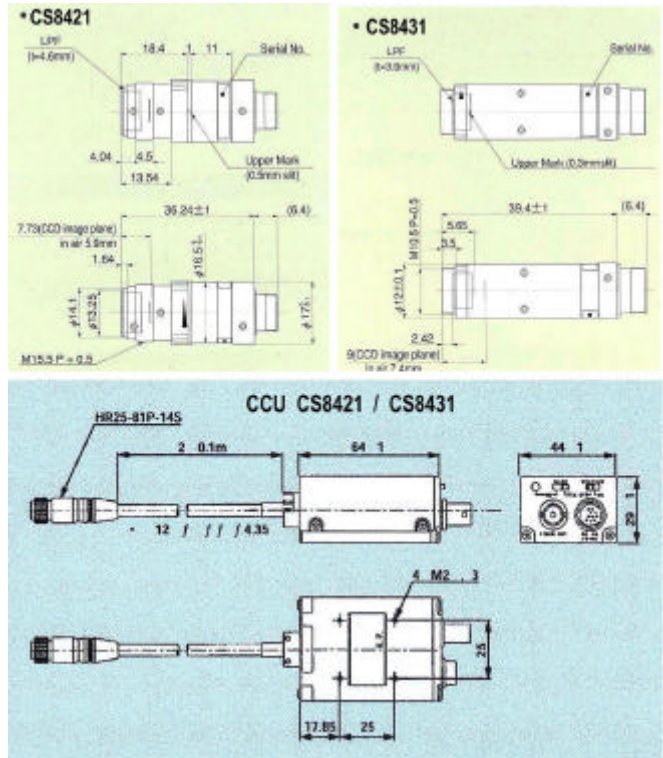
High S/N

High S/N of 56dB is realized.

Electronic shutter

The electronic shutter incorporated in the camera is much effective for the system or application to capture fast moving object, and the ON/OFF switch is located inside of camera.

Appearance



	CS8421	CS8421C	CS8431	CS8431C
TV System	EIA	CCIR	EIA	CCIR
Active Pixel	768(H) x494(V)	752(H) x582(V)	768(H) x494(V)	752(H) x582(V)
Scanning Area	6.4(H) x4.8(V) mm = 1/2" CCD		4.7(H) x3.7(V) mm = 1/3" CCD	
Sync System	Internal / External			
Frequency	15.734 kHz(H), 60Hz (V)	15.625 kHz(H), 50Hz(V)	15.734 kHz(H), 60Hz (V)	15.625 kHz(H), 50Hz(V)
Subject Illumination	Standard: 1500 lx (F11 3000K); Minimum: 2 lx (F1.4, GAIN MAX, GAMMA=1)			
Video Output	VS: 1.0V(p-p) / 75 ohm			
Resolution	560 TVL			
Gain	FIX / MGC Selectable			
Accumulation Mode	Field / Frame mode selectable			
Electronic Shutter	1/60s to 1/10000s	1/50s to 1/10000s	1/60s to 1/10000s	1/50s to 1/10000s
S/N Ratio	>= 50dB (p-p) / rms			
Gamma	1.0			
Power Supply	+12V DC +-10% / approx. 250mA			
Ambient Condition	Temperature: 0 to 40 °C ; Humidity: 30 to 90 %			
Lens Mount	M15.5, P0.5 male		M10.5, P0.5 male	
Dimension Head / CCU	Dia. 17x36.2mm / 44(W) x29(H) x64(D) mm		Dia. 12x36.2mm / 44(W) x29(H) x64(D) mm	
Weight Head / CCU	approx. 16g / 100g (excluding cable)		approx. 11g / 100g (excluding cable)	
Configuration	Camera head with a 2m cable / camera control unit / Instruction manual Option: Lens/ DC / SYNC Input cable / AC adapter / cable length: suffix -01= 1m/ -02=2m/ -03=3m			



WARNING:

To prevent fire hazard, do not expose the unit to rain or moisture.

This symbol is intend to alert the user to the presence of important operating and maintenance(servicing) instructions in the literature accompanying the appliance.

The specification and other issues on the catalog are subject to change without notice

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