

1/2" CCD Super Cube DSP Monochrome Camera

ICD-49E [CCIR]

ICD-49 [EIA]

The ICD-49E/ICD-49 is a 1/2" CCD Digital Signal Processing (DSP) Monochrome Camera, with High Sensitivity (0.0075 lux at F1.2) and High Resolution (Horizontal Resolution 560TV lines [CCIR]/570 TV lines [EIA]). It is also extremely Infra-Red sensitive giving the best performance in its class when used in conjunction with Infra-Red lighting (800nm to 1000nm approx)

Ideal for OEM applications the ICD-49E/ICD-49 really does prove that Size is not everything. The compact Cube design makes this camera ideal for installations where space is at a premium such as ATM Machines, Help Points, Door Entry Panels and Small Aesthetic Custom Made Housings.

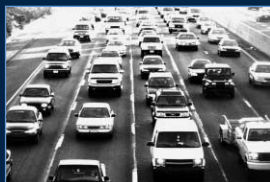


High Sensitivity

With its high sensitivity of 0.0075 lux at F1.2 the ICD-49E/49 has a near black Infra-red sensitivity (800nm to 1000nm approx.), which is about five times higher than it's predecessors, the award winning ICD-42/42E and ICD-47/47E. This makes it ideal for outdoor surveillance when round the clock performance is required.



Conventional Camera



ICD-49E/ICD-49

High Resolution and High Quality Picture Performance

The camera delivers a high horizontal resolution of more than 560 TV lines (CCIR)/570 TV lines (EIA) and realises a high quality picture with a Signal to Noise ratio more than 50dB.

Low Smear Level

A near natural image is delivered, due to the low smear performance of -120dB, even in difficult high bright situations like those of direct car headlights.



Conventional Camera



ICD-49E/ICD-49

BLC (Back Light Compensation) function

An intelligent BLC function gives appropriate brightness, even if there is a high bright back light illumination of subjects in the viewed scene.

Other Standard Functions

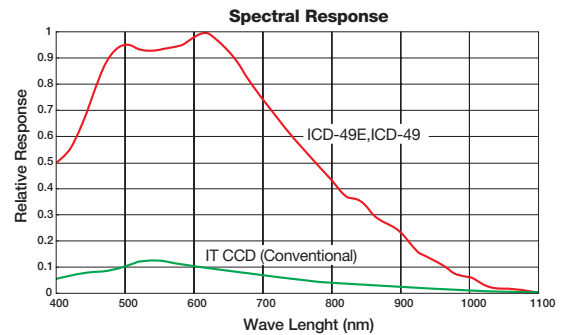
AES (Automatic Electronic Shutter), Two-Way Auto Iris control (VIDEO Iris and DC Iris), Line Lock / Internal Lock and AGC (Automatic Gain Control).

1/2" CCD Super Cube DSP Monochrome Camera ICD-49E [CCIR] / ICD-49 [EIA]

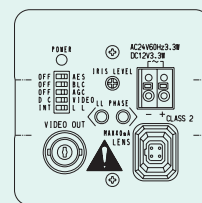
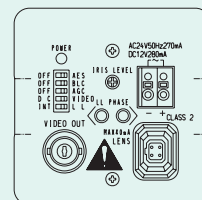
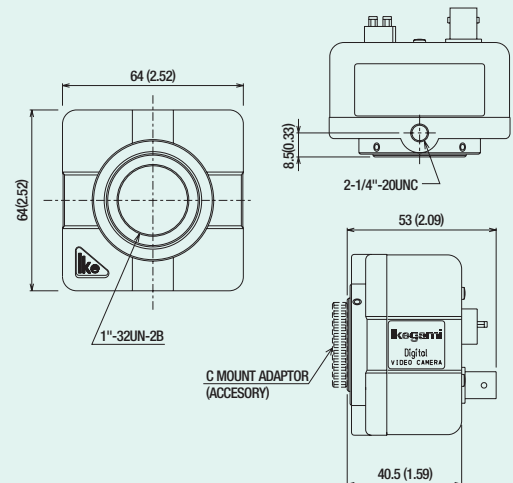


Specifications

● Imaging Device	1/2 inch, Interline Transfer CCD
● Effective Pixels	CCIR: 752(H) x 582(V), 440,000 pixels approx. EIA: 768(H) x 494(V), 380,000 pixels approx.
● Scanning System	CCIR: 625 lines at 50Hz, 2:1 interlace EIA: 525 lines at 59.94Hz, 2:1 interlace
● Synchronization System	INTERNAL LOCK/LINE LOCK
● Video Output	VS 1.0 Vp-p/75 ohms
● Horizontal Resolution	CCIR: 560 TV lines EIA: 570 TV lines
● S/N Ratio	more than 50 dB (AGC OFF, DETAIL OFF, weight ON)
● Minimum Illumination	0.0075lux at F1.2 0.01lux at F1.4 (Light source: Halogen lamp, Colour temperature: 2856K)
● BLC (Backlight Compensation)	ON/OFF switchable
● AES Function	ON/OFF switchable AES range: CCIR: 1:2000, EIA: 1:1600
● AGC (Automatic Gain Control)	ON/OFF switchable
● Auto Iris Function	Video Iris/DC Iris selectable (DC iris level is adjustable)
● Lens Mount	CS mount (C mount adaptor can be used)
● Flange Back Adjustment Mechanism	Built in
● Power Requirement	CCIR: AC24V±10% 50Hz/DC12V (10.5V to 15V) EIA: AC24V±10% 60Hz/DC12V (10.5V to 15V)
● Power Consumption	CCIR: AC24V 270mA approx. DC12V 280mA approx. EIA: AC24V/DC12V 3.3W approx.
● Operating Ambient Temperature	-10°C to +50°C (14°F to 122°F)
● Camera Mount	1/4"-20UNC
● Dimensions	W64 x H64 x D53 mm (W2.52 x H2.52 x D2.09inch)
● Weight	250g approx. (0.55 lbs)
● Input/Output Connectors	VIDEO OUT: BNC LENS: 4P (applicable connector E4-191J-150 or equivalent) AC24V/DC12V Input: 2P (push in terminal)
● Accessories	Operation Manual C Mount Adaptor Auto Iris Connector (E4-191J-150 or equivalent, CCIR only)



Dimensions:mm (inch)



Design and specifications are subject to change without notice.

* EIA versions are not available with CE Mark.



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