

1/2" CCD Multi-Function DSP Monochrome Camera

ICD-48E [CCIR]

ICD-48 [EIA]

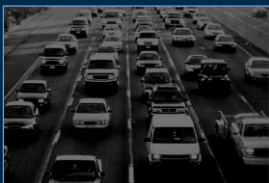
The ICD-48E/ICD-48 is a 1/2" CCD Digital Signal Processing (DSP) Monochrome Camera, with High Sensitivity (0.0075 lux at F1.2) and High Resolution (Horizontal Resolution 560TV lines[CCIR]/ 570 TV lines[EIA]). It is extremely Infra-Red sensitive giving the best performance in its class when used in conjunction with Infra-Red lighting (800nm to 1000nm approx).

It has a remote set-up capability via RS-485 to allow set-up alterations even after installation.



High Sensitivity

With its high sensitivity of 0.0075 lux at F1.2 the ICD-48E/48 has a near black Infra-red sensitivity (800nm to 1000nm approx), which is about five times higher than its predecessors, the award winning ICD-42E and ICD-47E. This makes it ideal for outdoor surveillance when round the clock performance is required.



Conventional Camera



ICD-48E/ICD-48

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-48E/ICD-48

Remote Set-up Capability

The set-up of the camera cannot only be achieved via the OSD but also remotely by RS-485 connection. It is possible to change the set-up from a PC through the RS-485 connection after installation, even if, the camera is installed, at height or at a long distance from the control centre.



OSD Set-Up Items

Camera ID set up, AES/Electronic Shutter selection, BLC ON/OFF/SPOT selection and level adjustment, DC Iris level adjustment, AGC/Hyper-AGC selection and GAIN LOW/MID/HIGH (AGC OFF) selection, INTERNAL LOCK/LINELOCK selection and phase adjustment, GENLOCK phase adjustment, DETAIL level adjustment, PEDESTAL level adjustment, MENU LOCK

Manual/Variable Electronic Shutter

The ICD-48E/ICD-48 has 9 steps of manual electronic shutter from 1/50 (EIA 1/60) to 1/100,000 seconds. It also has, a variable shutter function which can change its shutter speed within its range from 1/50 (EIA: 1/60) to 1/100,000.

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).

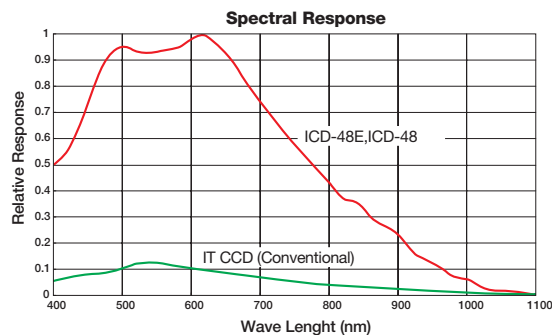
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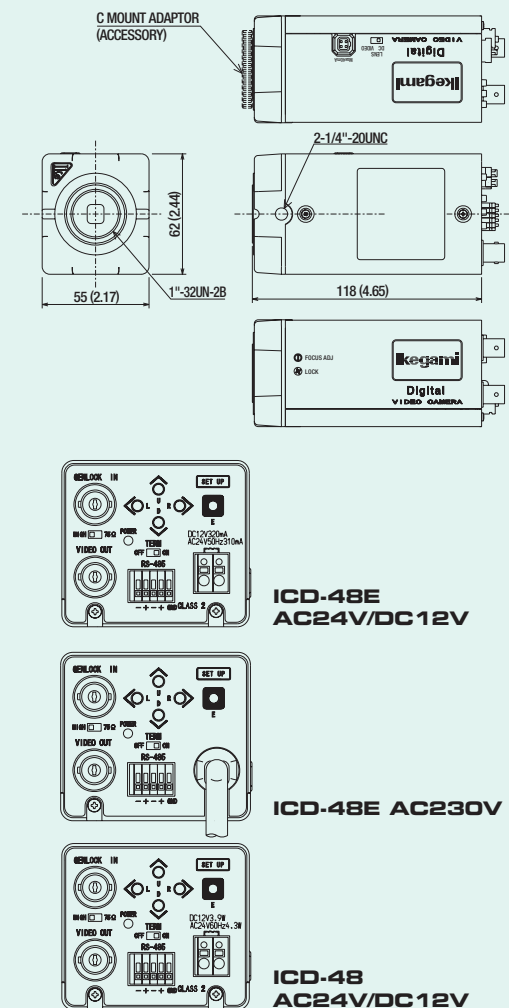


Specifications

● 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/LINELOCK/GENLOCK
● 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 0.011lux at F1.4 (Light source: Halogen lamp, Colour temperature: 2856K)
● BLC (Backlight Compensation)	ON/OFF switchable and level adjustable
● AES Function	ON/OFF switchable AES range: CCIR: 1:2000, EIA: 1: 1600
● High-speed Electronic Shutter	CCIR: OFF (1/50), 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000, 1/100000 Variable Shutter 1/50 to 1/100000 EIA: OFF (1/60), 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000, 1/100000 Variable Shutter 1/60 to 1/100000
● AGC (Automatic Gain Control)	ON (AGC/HYPER-AGC)/OFF (LOW/MID/HIGH) switchable
● Auto Iris Function	Video Iris/DC Iris selectable (DC iris level is adjustable)
● Lens Mount	CS mount (C mount adaptor can be used)
● Camera ID function	Built in (1 line, 16 characters)
● Local Setup function	OSD set-up and selection is available by 5 buttons <ul style="list-style-type: none"> ■ Camera ID set-up ■ AES/Electronic Shutter selection ■ BLC ON/OFF/SPOT selection and level adjustment ■ DC Iris level adjustment ■ AGC/Hyper-AGC selection and GAIN LOW/MID/HIGH (AGC OFF) selection ■ INTERNAL LOCK/LINELOCK selection and phase adjustment ■ GENLOCK phase adjustment ■ DETAIL level adjustment ■ PEDESTAL level adjustment ■ MENU LOCK
● RS-485 Communication	Built in Local Set up item and Equipment ID for RS-485
● Flange Back Adjustment Mechanism	Built in
● Power Requirement	CCIR: AC24V±10% 50Hz /DC12V (10.5V to 15V) AC230V±15% 50Hz EIA: AC24V±10% 60Hz /DC12V (10.5V to 15V) CCIR: AC230V 30mA approx. AC24V 310mA approx. DC12V 320mA approx. EIA: AC24V/DC12V 4.3W approx.
● Power Consumption	-10°C to +50°C (14°F to 122°F)
● Operating Ambient Temperature	1/4"-20UNC
● Camera Mount	W62 x H55 x D118mm (W2.44 x H2.17 x D4.65inch)
● Dimensions	AC24V/DC12V type 430g approx.(0.95 lbs)
● Weight	AC230V type 860g approx.(1.83 lbs)
● Input/Output Connectors	VIDEO OUT: BNC GENLOCK IN: BNC LENS: 4P (applicable connector E4-191J-150 or equivalent) RS-485: 5P (push in terminal) 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.



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