

Ikegami

1/2" CCD Multi-Function DSP Monochrome Camera

ICD-48 [EIA]

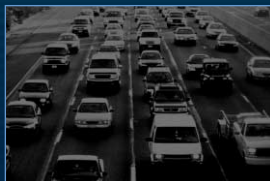
ICD-48E [CCIR]

The ICD-48/ICD-48E is a 1/2" CCD Multi-Function DSP Monochrome Camera, which is High Sensitivity (0.0075 lux at F1.2) and High Resolution (Horizontal Resolution 570 TV Lines [EIA]/ 560 TV Lines [CCIR]). Furthermore it is a high performance of Digital Signal Processing and remote set up is available even if a camera is installed at the height.

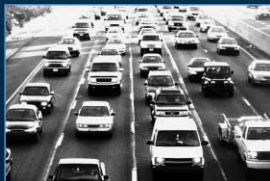


High Sensitivity

It is suitable for an outdoor surveillance, which requires 24 hours surveillance continuously, with its high sensitivity performance of 0.0075 lux at F1.2. Furthermore its sensitivity reaches to near-infrared range (800nm to 1000nm approx.), which is about five times higher than conventional IT CCD camera.



Conventional Camera



ICD-48/ICD-48E

High Resolution and High Quality Picture

It has a high horizontal resolution of more than 570 TV Lines (EIA)/ 560 TV Lines (CCIR) and realizes a high quality picture of Signal to Noise ratio more than 50 dB.

Low Smear Level

It is a low smear design of -120dB. Even if there are headlights of car on the scene at the parking lot, natural image can be taken.



Conventional Camera



ICD-48/ICD-48E

Remote set up is available

Not only by pushing buttons on the rear panel of camera for set up, but remote set up by RS-485 is also available. It is available to change set up from a PC through RS-485 connection after installation, even if it is installed at the height and the distance.



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

BLC (Back Light Compensation) function

In addition to a common BLC function, it has a SPOT BLC function which adjusts the selected area with appropriate brightness.

Electronic Shutter

It has 9 steps of manual electronic shutter from 1/60 (CCIR 1/50) to 1/100,000 seconds. And it also has a variable shutter function which can change its shutter speed variably with its range from 1/60 (CCIR 1/50) to 1/100,000 seconds.

Fulfilling functions are equipped.

It has fulfilling functions like an AES (Automatic Electronic Shutter) function, 2 ways of Auto Iris Functions; VIDEO Iris and DC Iris, and a LINE LOCK function.

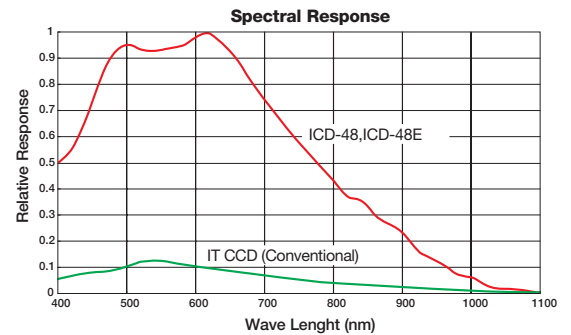
1/2" CCD Multi-Function DSP Monochrome Camera

ICD-48 [EIA] / ICD-48E [CCIR]

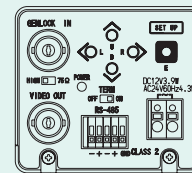
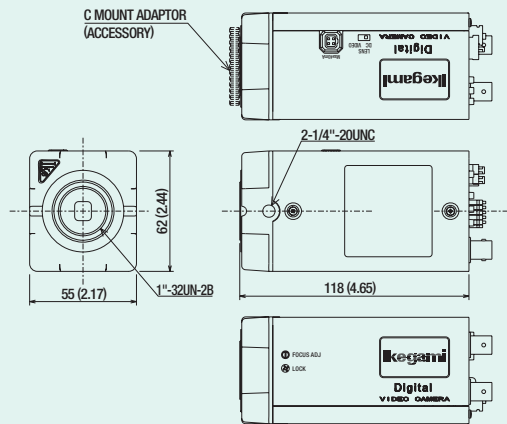


Specifications

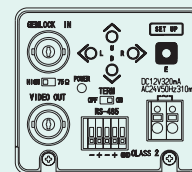
● Imaging Device	1/2 inch, Interline Transfer CCD
● Effective Pixels	EIA: 768(H) x 494(V), 380,000 pixels approx. CCIR: 752(H) x 582(V), 440,000 pixels approx.
● Scanning System	EIA: 525 lines at 59.94Hz, 2:1 interlace CCIR: 625 lines at 50Hz, 2:1 interlace
● Synchronization System	INTERNAL/LINELOCK/GENLOCK
● Video Output	VS 1.0 Vp-p/75 ohms
● Horizontal Resolution	EIA: 570 TV lines CCIR: 560 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, Color temperature: 2856K)
● BLC (Backlight Compensation)	ON/OFF switchable and level adjustable
● AES Function	ON/OFF switchable
● High-speed Electronic Shutter	AES range: EIA: 1: 1600, CCIR: 1:2000 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 CCIR: OFF (1/50), 1/120, 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	EIA: AC24V±10% 60Hz /DC12V (10.5V to 15V) CCIR: AC24V±10% 50Hz /DC12V (10.5V to 15V) AC230V±15% 50Hz
● Power Consumption	EIA: AC24V/DC12V 4.3W approx. CCIR: AC230V 30mA approx. AC24V 310mA approx. DC12V 320mA approx.
● Operating Ambient Temperature	-10°C to +50°C (14°F to 122°F)
● Camera Mount	1/4"-20UNC
● Dimensions	W62 x H55 x D118mm (W2.44 x H2.17 x D4.65inch)
● Weight	AC24V/DC12V type 430g approx.(0.95 lbs) 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)



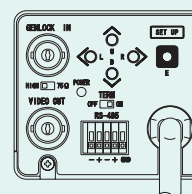
Dimensions:mm (inch)



**ICD-48
AC24V/DC12V**



**ICD-48E
AC24V/DC12V**



**ICD-48E
AC230V**

Design and specifications are subject to change without notice.

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