

1/3" OCML CCD

ICD-34 Series

Black and White Video Camera (EIA)



Description

The ICD-34 is a high-performance monochrome camera employing a 1/3" OCML (On Chip Micro Lens) CCD sensor to deliver high resolution and high sensitivity, with a horizontal resolution of 0.1 lux (f 1.4).

The ICD-34 incorporates a wide ranging AESC function which produces optimum image reproduction even without the use of an auto iris lens. In addition the ICD-34 features a switchable BLC (Back Light Compensation) as standard to ensure consistently stable image reproduction in situations involving back-lighting. The auto iris circuitry is selectable between VIDEO and DC iris allowing the use of either Video or DC drive lens. Furthermore the ICD-34 employs line lock with phase adjustment to facilitate multiple camera switching through a single video switcher.

Features

- incorporates a 1/3 inch on-chip micro lens with 250,000 pixels to deliver a horizontal resolution of 400 TV lines.
- High sensitivity with a minimum object illumination of 0.1 lux (f1.4)
- AESC (Automatic Electronic Shutter Control) Sensitivity ratio of 1:1600 (Max. 1/100,000sec.)
- BLC (Back Light Compensation)
- 2-way auto iris (Selectable between VIDEO iris and DC iris)
- Line lock with phase adjustment synchronization system.
- Mirror Image Function
Thanks to inverting a left and right image, ICD-34 can settle your reversed image problem with a prism or L-angle pinhole lens.

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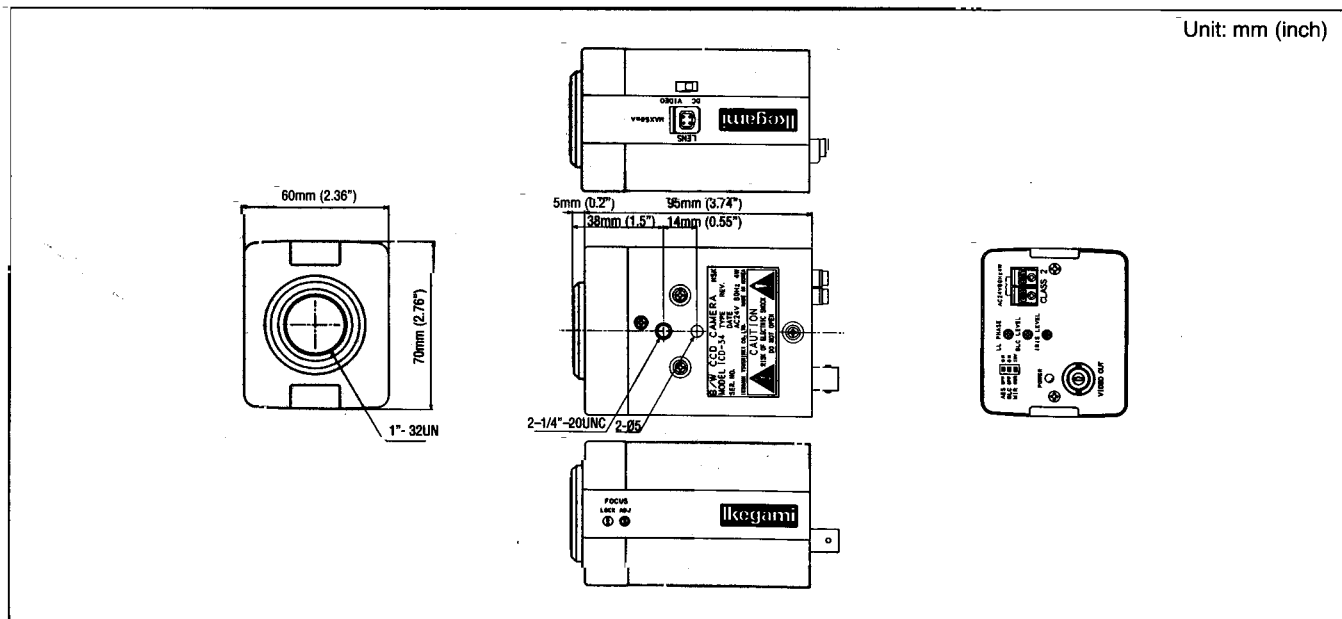
1/3" CCD

Black and White Video Camera

Specifications

Pickup Device	1/3" Interline Transfer CCD(OCML)	BLC	Built in (ON/OFF Level adjustment)
Picture Element	512(H)x492(V), 250,000 pixels	AESC	Built in. Sensitivity Ratio, 1:1600 (Max.1/100,000 sec.) (ON/OFF switchable)
Sensing Area	4.8 mm(H) X 3.6(V)mm	Auto Iris	Video iris/DC iris (Switchable)
Sync. System	Line lock (Phase adjustment)	Lens Mount	CS mount
Frequency	Horizontal 15.75kHz Vertical 60Hz	Flange Back Adjustment	Built in
Video Output	VBS 1.0Vp-p/75 Ω	Power Requirement	AC24V±10%
Scanning System	2:1 Interlace 525 lines/60Hz	Power Consumption	4W
Horizontal Resolution	400 lines	Ambient Temperature	-10°C~+50°C (13.5°F~122°F)
Illumination	MIN. illumination 0.1 lux/F1.4 75% reflection	Dimensions (WHD)	70 X 60 X 95mm (2.76 X 2.36 X 3.74 inch)
Signal to Noise Ratio	50dB (pp-rms)	Weight	660g (1.47 lbs.)
Mirror Image Function	Built in NOR/INV(Switchable)		

Dimensions



Safety agency approval:  Underwriters Laboratories Inc.®

Designs and specifications are subject to change without prior notice

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