

Ikegami[®]

1/2" FIT 3 CCD

ICD-F24

 High Resolution Broadcast Quality Color Camera

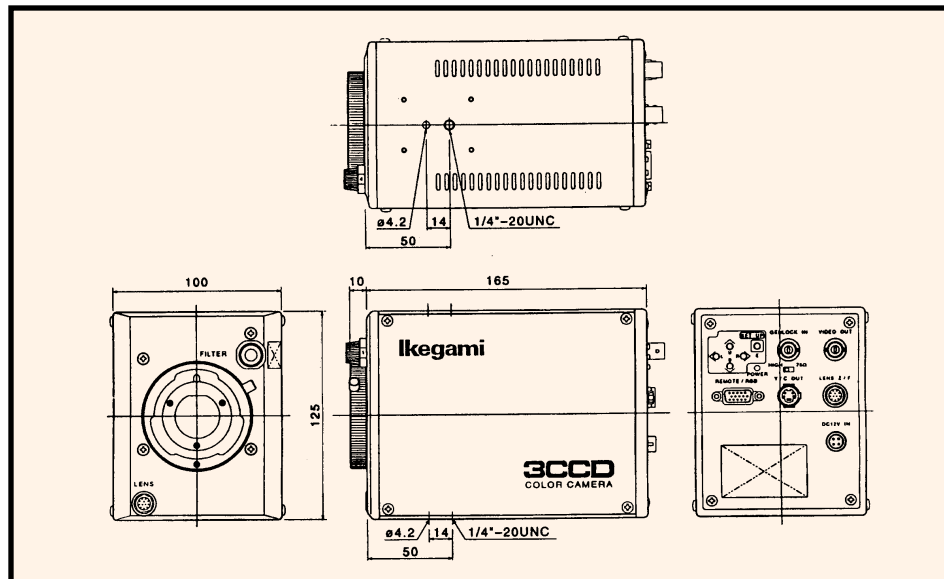


This apparatus is FIT 3 CCD color TV camera for industrial application uses, which presents high resolution and high-quality picture by 3CCD and has various functions for POV cameras, is most suitable for monitoring in extensive area, such as traffic, harbors, sky, rivers, plans, markets, etc.

Features

- In the 3-CCD configuration, the three primary colors of light that are separated by an RGB prism are introduced to their respective CCDs. Compared with conventional single-CCD CCTV cameras, the design helps substantially improve the resolution, color reproduction and other performances.
- The three CCDs are precisely mounted in position (by the spatial pixel shifting technique). The horizontal resolution comes in as high as 750 lines, which has not been achieved with single-CCD cameras.
- Unlike IT CCDs used in single-CCD cameras, the FIT type CCDs of this model greatly reduce moire, smear and other noises that are peculiar to CCDs. What's more, high-quality picture is attained at the signal-to-noise ratio of 60dB.
- The gain change-over circuit incorporated in this apparatus enables video gain control of -3, 0, +3, +6, +9, +15, and +18dB.
- The AUTO/MANUAL selection filter and one-touch auto white circuit (AWC) incorporated in this apparatus enable a good color reproduction under various types of light sources.
- The correction circuit incorporated in this apparatus for eliminating white shooting generated through lens gives always the most appropriate video balance even if the lens is exchanged.
- The video output include VBS composite, Y/C, RGB, and sync signals, which provides for better picture for many different applications.
- Use of interface cable enables remote-control of various functions from a personal computer etc. through RS-232C.
- The camera can produce EIA-compatible color bars. In this way the characteristics of the transmission system can be checked and adjusted, and the monitor can also be precisely adjusted for colors, brightness and other factors.
- Each camera can be identified with a code of up to 16 characters in a line. Names of surveillance spots or camera numbers may be displayed on the monitor to identify the camera.

Appearance View



Design and specifications are subject to change without notice.

Specification

Optical system	RGB prism system, F1.4
Imaging device	FIT CCD, effective pixels: about 380,000 (total pixels: about 400,000)
Image format	1/2 inch
Lens Mount	1/2-inch bayonet mount
TV system	NTSC
Horizontal resolution	750TVL
S/N ratio	62dB(AGC off)
Minimum illumination	2 Lux(Gain: 18dB)
Video output level	Composite, Y, C, RGB, SYNC
Local setup	5 buttons of back side of camera
Remote control	RCU-701, MRU-240, RS-232C
Lens control	Iris, Zoom, Focus
Power supply	DC 12V (within the range of DC 11V-16V)
Dimension	100(W) x 125(H) x 175(D) mm (without connector)

Ikegami

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