

# JVC

PROFESSIONAL

**0.28** Super LoLux™  
*lux*

1/3" CCD COLOUR VIDEO CAMERAS

# TK-C750E

(24V AC)

# TK-C751EG

(220 - 240V AC)

1/3" CCTV Surveillance Cameras with DSP and High Sensitivity for Use in All Lighting Conditions



Superior light sensitivity of the TK-C750E/TK-C751EG

Compared to the previous cameras TK-C700E/TK-C701EG

Shown with optional lens

- 1/3-inch IT CCD with 290,000 effective pixels
- Auto White Balance Tracking (ATW) and one-touch Auto White Balance (AWB)
- Auto White Balance adjustment range from 2,300°K to 10,000°K
- Automatic Gain Control (Max. 26 dB)
- S/N ratio 50 dB (AGC off)
- Back-light Compensation
- Automatic Electronic Shutter
- DC iris lens connection

# CCTV surveillance cameras with night-time shooting capability in a compact, cost-effective package

JVC's high-sensitivity TK-C750E and TK-C751EG surveillance cameras pack powerful features, including an innovative digital signal processor for Super LoLux (0.28 lux minimum) shooting applications and outstanding colour reproduction, yet deliver them in a package that offers outstanding value and reliability.

## ■ 1/3-Inch CCD with 290,000 Effective Pixels

JVC's TK-C750E and TK-C751EG come with a 1/3-inch Interline Transfer (IT) CCD for accurate colour reproduction, high sensitivity, and crisp pictures with no image lag or distortion.

## ■ Detail Correction — Horizontal and Vertical: 2H (dual)

JVC's TK-C750E and TK-C751EG provide exceptional detail — horizontal and vertical — with a 2 H line memory for security imaging applications.

## ■ Digital Signal Processor (DSP)

JVC's innovative Digital Signal Processor (DSP) automatically adjusts camera parameters to ensure sharp, natural pictures (330 TV lines of horizontal resolution) in near total darkness. It also provides a Super LoLux shooting capability for mission critical surveillance applications.

## ■ Automatic Gain Control (AGC)

Automatic Gain control (AGC: range from 0 to 26 dB), supported by CCD and DSP functions, automatically adjusts gain to the appropriate value for the ambient lighting conditions.

## ■ Auto White Balance

Built-in Automatic White Balance Tracking (ATW) and One-touch Auto White Balance (AWB). Auto White Balance is adjusted automatically over the colour temperature range of 2,300°K to 10,000°K. White balance also can be adjusted with one-touch operation for easy camera set-up under various lighting conditions.

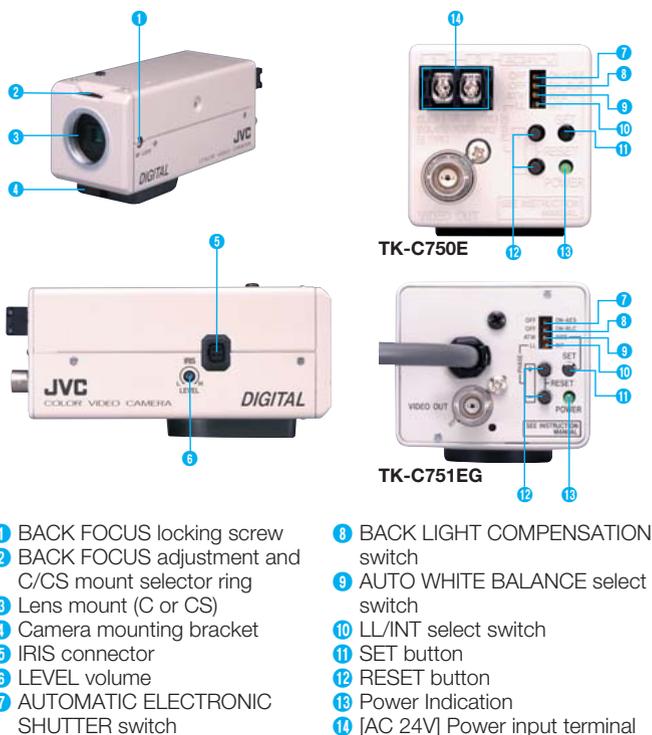
## ■ Signal to Noise Ratio of 50 dB at zero AGC

The signal to noise ratio of TK-C750E and TK-C751EG, at zero AGC, is 50 dB, giving very accurate reproduction of colours. Even if AGC is automatically activated, the pictures remain sharp and the colours accurate.

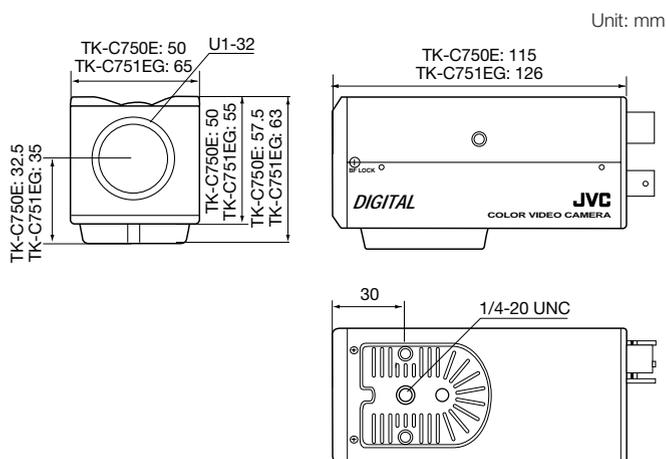
## Specifications

Image device	1/3" IT CCD, 500 (H) x 582 (V)
Sync system	Internal, Line Lock
Scanning frequency	15.625 kHz (H), 50.0 Hz (V)
Horizontal resolution	330 TV lines
Video output	Composite video signal 1 V(p-p), 75 ohms, unbalanced
Video S/N ratio	50 dB (AGC off)
Minimum required illumination	0.28 lux (25%) 0.55 lux (50%)
Automatic electronic shutter	1/50 — 1/100,000 sec.
Lens mount	C/CS mount
Power requirement	TK-C750E: AC 24 V (50/60 Hz) TK-C751EG: AC 220 V — 240 V (50/60 Hz)
Power consumption	TK-C750E: 240 mA TK-C751EG: 42 mA
Operating temperature range	-10°C to 50°C 0°C to 40°C (recommended)
Weight	TK-C750E: 340g TK-C751E: 680g

## Controls, Connectors and Indicators



## Dimensions



# JVC

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