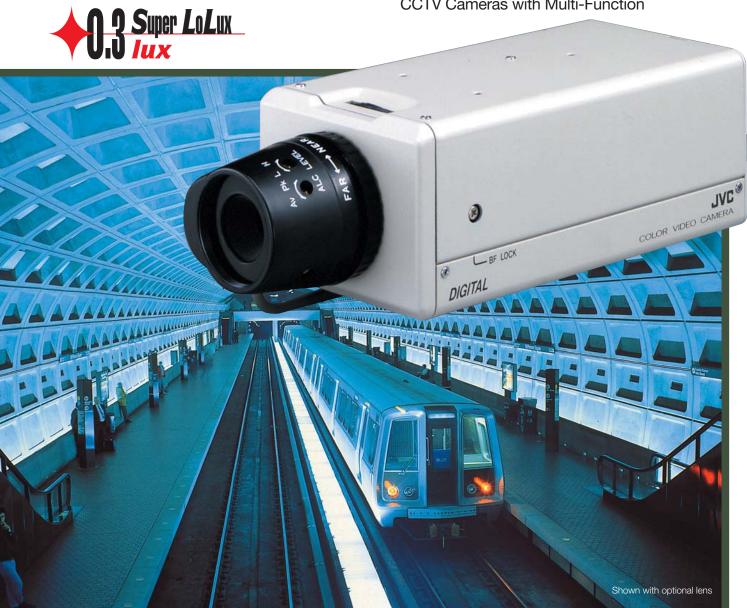


1/2" CCD COLOUR VIDEO CAMERAS

TK-C1480BE (24V AC/12V DC) TK-C1481BEG

220-240V AC)

Advanced High-Sensitivity Super LoLux Colour CCTV Cameras with Multi-Function



- 1/2" Super LoLux type CCD
- High resolution equivalent to 480 TV lines
- Powerful DSP
- Minimum Required Illumination 0.3 lux (F1.2, video 25%, AGC 20dB, Normal shutter 1/50 sec.) Slow shutter to 32/50 sec. for minimum illumination to 0.01 lux
- Sophisticated Backlight compensation
 - BLC
 - Extended Dynamic Range
 - High Light Inverter

- ATW/AWC white balance /Manual paint
- Multi-Purpose /Easy set up menu operation
- Scene file memory by command (4 files)
- Dump command function
- Digital zoom (Max X10)
- RS-422A/485 control
- Automatic motion detection with alarm signal



JVC's TK-C1480BE and TK-C1481BEG colour CCTV cameras perform excellently even in near-dark or bright ambient light conditions, both indoors and out. Unlike other CCTV cameras, the TK-C1480BE and TK-C1481BEG feature a new high-sensitivity CCD, digital signal processor with multifunctions, motion detector, and Super LoLux to ensure quality image capture even under the most demanding conditions and in the most difficult locations.

JVC's TK-C1480BE and TK-C1481BEG cameras come loaded with a totally new 1/2-inch IT CCD, which delivers clear pictures without image lag or geometric distortion. And, with a signal-to-noise ratio of more than 50dB, the TK-C1480BE and TK-C1481BEG produce crisp images with a low level of smear and accurate colour reproduction. High-sensitivity is also excellent so that no detail is missed even under low light conditions (0.3 lux at F1.2.)

■ New Digital Signal Processor (DSP)

A powerful Digital Signal Processor (DSP) with Extended Dynamic Range (400x Max. at Auto, 400x Max. at Manual) lets users shoot in dark and bright locations.

■ Super LoLux

JVC's exclusive Super LoLux enables the camera to shoot high-quality images in light as low as 0.3 lux with minimal noise. This is the lowest level ever of darkness where the TK-C1480BE and TK-C1481BEG can see far better than the naked eye.

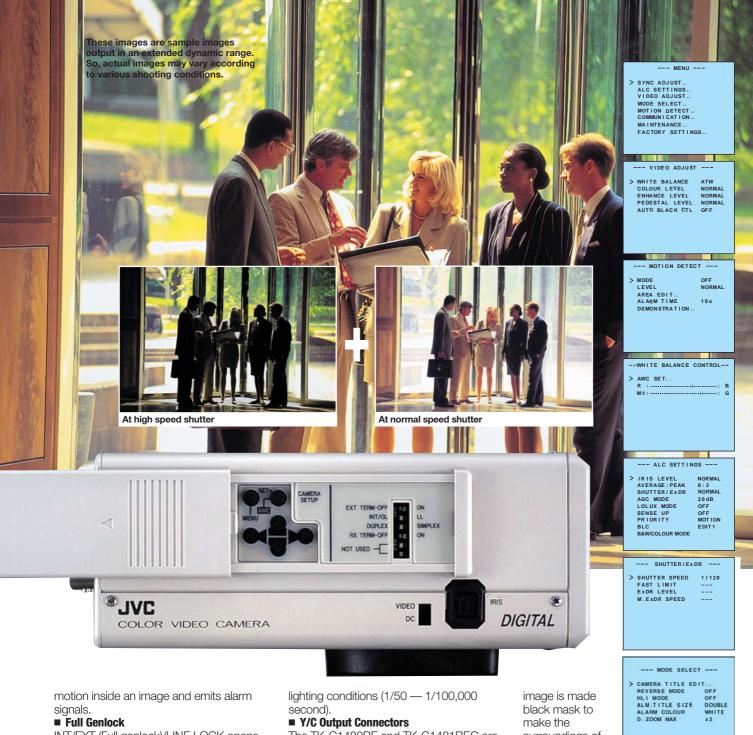
A bright portion in the shooting area is shot with the high-speed shutter exposure, while a dark portion shot with the normal exposure. Both of the images read in are then synthesised to output a single image that includes distinguishable bright and dark portions. Therefore, the cameras are compatible with a wide range of scenes such as the entrance of a building where a difference in illumination tends to be encountered due to the varying effects of the external light on the entrance, and a place where a subject can be backlit due to the direction of lighting, etc. (See the example on the next page.)

■ RS-422A/RS-485 Terminals

RS-422A/RS-485 terminals offer multisystem remote control compatibility. Ideal for remote control is also the JVC RM-P2580E remote control unit.

■ Motion Detector Function

A motion detector function detects the



motion inside an image and emits alarm signals.

■ Full Genlock

INT/EXT (Full genlock)/LINE LOCK opens up a wide array of shooting options with connectors for BB or VBS (BNC) sync input.

■ White Balance

To ensure optimum white balance under a wide range of colour temperatures, the TK-C1480BE and TK-C1481BEG come with two white balance modes — ATW (Auto Traced White Balance) and AWC (Manual Paint Possible with AWC). So the operator can select the ideal white balance for the shooting conditions.

■ Camera ID

The TK-C1480BE and TK-C1481BEG have a built-in camera ID system for configuring a multi-camera surveillance system.

■ Wide-Range Automatic Electronic Shutter

A wide-range Automatic Electronic Shutter (AES) continuously adjusts speed to ensure correct exposure under any

lighting conditions (1/50 — 1/100,000 second).

■ Y/C Output Connectors

The TK-C1480BE and TK-C1481BEG are equipped with connectors for BB or VBS (BNC) sync input, VBS (BNC) output and Y/C (S-terminal, 4-pin) output.

■ Easy Menu-Driven Parameter Setting

A simple menu-driven operation sets a range of parameters including IRIS level, ENHANCE level, PED level, ATW/AWC, H. PHASE/SC. PHASE, AGC ON/OFF, AGC level, colour level, H.L.C. and L.L. PHASE.

■ Backlight Compensation

With a strong light in the back, this function improves the image. 4 types of fixed and 2 types of editable, metered areas are available.

■ H.L.I. (High light Inverter)

The new high light inverter function ensures superb oberall image quality when part of a subject is under especially strong illumination, H.L.I MODE is the function which the highlighted part of the

image is made black mask to make the surroundings of the highlighted part better

visible. Set to HIGH when there are many highlighted parts.

■ C/CS Mount with DC/Video Iris Lens

The TK-C1480BE and TK-C1481BEG are C/CS-mount lens compatible, so the ideal lens for an application can be selected from the widest possible range.

■ AC/DC Power Supply

The TK-C1480BE and TK-C1481BEG may be powered by AC 24V/DC 12V sources.

■ Scene file memory by command (4 files)

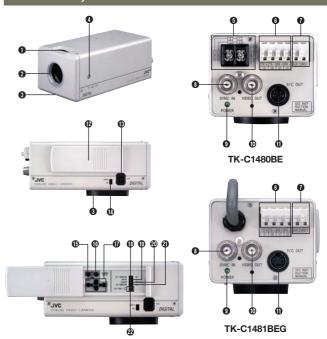
Up to 4 file of camera setting depended on circumstance.

■ Dump 64 by command

Upload and download of Setting data possible.

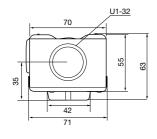
Specifications PAL Signal system Image device 1/2" Ultra Super LoLux IT CCD, 752 (H) x 582 (V) Sync system Internal, Line Lock, Full Genlock 15.625 kHz (H), 50 Hz (V) Scanning frequency Horizontal resolution 480 TV lines Composite video signal Video output Y/C output Y/C video signal (4-pin) Video S/N ratio 50 dB (AGC OFF) 0.6 lux (F 1.2, 50%, AGC 20dB, Normal shutter 1/50 sec.) Minimum required illumination 0.3 lux (F 1.2, 25%, AGC 20dB, Normal shutter 1/50 sec.) 0.15 lux (F 1.2, 25%, AGC 26dB, Normal shutter 1/50 sec.) 0.02 lux (F 1.2, 50%, AGC 20dB, Slow shutter 32/50 sec.) 0.01 lux (F 1.2, 25%, AGC 20dB, Slow shutter 32/50 sec.) 0.005 lux (F 1.2, 25%, AGC 26dB, Slow shutter 32/50 sec.) Communication RS-422A or RS-485 (switchable) Lens mount C/CS mount TK-C1480BE: AC 24 V (50 /60 Hz), DC 12 V Power requirement TK-C1481BEG: AC 220 - 240 V (50 /60 Hz) Power consumption TK-C1480BE: 450 mA TK-C1481BEG: 75 mA Operating temperature range -10°C to 50°C 0°C to 40°C (recommended) Weight TK-C1480BE: 600g TK-C1481BEG: 835g 4P plug x1 Accessories Ferrite core x1 Instructions x2

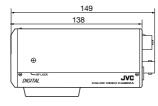
Controls, Connectors and Indicators

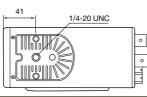


Dimensions

Unit: mm







- BACK FOCUS adjustment
- 2 Lens mount (C or CS)
- 3 Camera mounting bracket
- BACK FOCUS locking screw
- **5** [DC 12V, AC 24V] Power input terminals
- ⑤ [TX+♠, TX-ℍ, RX+♠, RX-♠] Control signal connection terminals
- [AUX, GND] Auxiliary output terminal
- § [SYNC IN] Sync signal input connector
- POWER] Power indicator lampMIDEO OUT] Video signal
- output connector

 O IV/C OLITI V/C output
- (1) [Y/C OUT] Y/C output connector

- Cover
- (B) [IRIS] Iris terminal
- (VIDEO/DC) Iris selector switch
- (MENU) Menu button
- (§ [SET/AWC] Set. auto white control button
- Up-and-down, left-and-right button
- (B) [EXT.TERM-ON/OFF] Terminal ON/OFF switch of external synchronisation signal
- [INT/GL, LL] Selector switch for synchronising system
- [DUPLEX, SIMPLEX] Selector switch for transmission system
- (1) [RX, TERM-ON/OFF] RX signal terminal ON/OFF switch
- 2 NOT USED

Other Equipment

RM-P2580E Remote Control Unit

Use the remote control unit to open the CCD camera menu and set camera parameters. Another function of the unit is to control 360-degree dome cameras such as TK-C676E and TK-C655E.



- Built-in 8ch sequential switcher function
- Multi-alarm input/outputs
- 8 video input/outputs (Loop through)
- Operation lock function
- Interface: RS-485 for camera and RS-232C for external unit



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Design and specifications subject to change without notice.







■ The Hachioji Plant of Victor Company of Japan, Ltd., has received ISO14001 and ISO9001 Certifications under the global standard for environmental management.