

JVC®

The Perfect Experience / —

FIXED COLOR DOME CAMERA

TK-C205U

(24V AC/12V DC)

Simple Plug & Play Dome Camera with Super High Resolution

◆ 0.9 Super LoLux™
lux

535 TV Lines



- Easy Plug & Play Installation with Built-in Ceiling Mechanism and the Market Standard Electric Box
- 535 TVL of Horizontal Resolution from 1/4" High Resolution 380,000 Effective Pixel CCD
- Super-LoLux Sensitivity:
 - 2.4 lux F1.2 with Smoke Perspex
 - 0.9 lux at F1.2 AGC ON, 25% Video (Typical Sensitivity with Clear Dome (option))
- Signal-to-Noise Ratio: 50dB
- Revolutionary Integrated 10-bit Digital Signal Processor
- Built-in Variable Focal Length Auto-Iris Lens (f = 2.6 – 6.0mm)
- Full-Featured Security Camera
 - Monitor Video Output (RCA) for Easy Camera Setup
 - Automatic-Gain-Control (AGC) ON/OFF Switching
 - White Balance — ATW (Automatic Tracking) Range 2300°K to 10000°K and Manual Modes
 - Back Light Compensation — ON/OFF
 - Sync Systems — INT/Line Lock Switching
 - Compact Camera Design Body
 - AC 24V/DC 12V Power Supply
- Video Output: Balanced Video (Built-in TP Module) 1.2V(p-p), 100 ohms, ± 10%

JVC offers revolutionary plug & play installation dome camera using market standard electric box and 535 TVL of super high horizontal resolution & LoLux sensitivity

JVC always considers that not only hardware but also installation are very important for every day use. This time, in addition to featuring JVC's latest technology, JVC has developed a one package solution camera providing both revolutionary 535 TVL of horizontal resolution image output and easy to install mechanism, using a market standard electric box adaptor, to reduce total price including installation cost. It also retains existing high performance with color matrix, signal-to-noise ratio, flexible power supply (AC 24V/DC 12V) etc. and full specifications.

Built-in Revolutionary Digital Signal Processor (DSP)

JVC's innovative Digital Signal Processor automatically adjusts camera parameters to ensure sharp and natural pictures with 535 TVL of horizontal resolution and high performance.

1/4-inch CCD with 380,000 Effective Pixels

JVC's TK-C205U comes with a 1/4-inch interline Transfer (IT) CCD for accurate color reproduction and super LoLux sensitivity of 2.4 lux with smoke perspex.

Signal-to-Noise Ratio of 50dB (AGC OFF)

TK-C205U has a signal-to-noise ratio of 50dB for sharp pictures with very precise color reproduction.

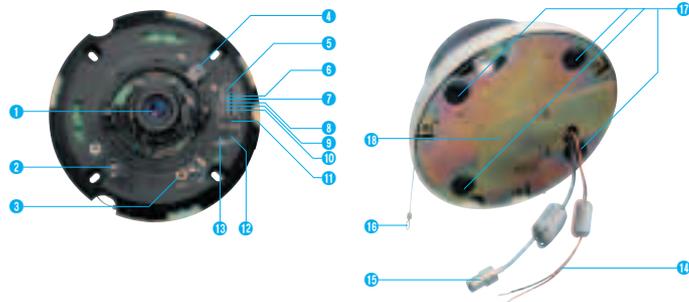
Automatic Gain Control (AGC)

With super LoLux sensitivity, as ambient light level falls, automatic gain control (AGC) increases the camera's sensitivity to 2.4 lux with smoke perspex.

Manual or Automatic (ATW) White Balance

For flexibility of operation in a wide range of environments the white balance can be set manually or can be automatically adjusted in real time by the Automatic White Tracking function over a range of 2,300°K to 10,000°K.

Controls, connectors and indicators



- 1 Camera Head/Lens
- 2 [IRIS LEVEL] sensitivity adjustment knob
- 3 MONITOR terminal (RCA pin)
- 4 Horizontal LOCK screw
- 5 [FOCUS ADJ. - ON/OFF] Focus adjustment switch
- 6 [AGC - ON/OFF] Auto-gain control switch
- 7 [BLC - ON/OFF] Backlight compensation switch
- 8 [AUTO/MANU] Auto/manual selection switch for white balance
- 9 [INT/LL] Synchronization system selection switch
- 10 [WHT.BAL/PHASE] adjustment selection switch
- 11 [R/B, +/-] adjustment button
- 12 [RESET] Reset button
- 13 [SPOT CORRECTION] White-spot correction button
- 14 Power input cable
- 15 Video signal output connector (BNC)
- 16 Drop prevention wire
- 17 Mounting holes
- 18 Cover locking screw

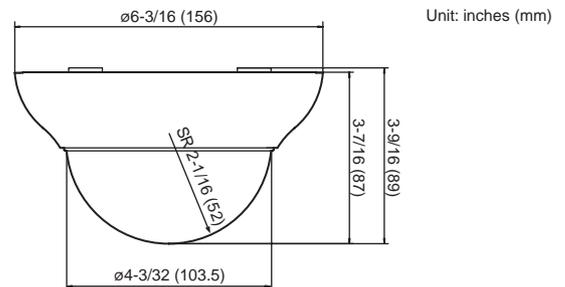


Market Standard Electric Box
(TK-C205U package does not include this box.)

Specifications

■ CAMERA	
Signal system	NTSC
Image device	1/4" IT CCD
Effective picture elements	380,000 pixels, 768 (H) x 494 (V)
Sync system	Line lock/Internal
Video S/N	50 dB (AGC ON, typical)
Horizontal resolution	535 TV lines (typical)
Minimum illumination	4.8 lux (F1.2, AGC ON, 50%) 2.4 lux (F1.2 AGC ON, 25%, with cover) 0.9 lux (F1.2 AGC ON, 25%, with clear dome cover)
White balance	ATW/Manual (switchable)
ATW	Color temperature range 2,300°K to 10,000°K.
Backlight compensation	ON/OFF (Switchable)
■ LENS	
Focal length	2.6 mm to 6 mm (variable)
Max. aperture ratio	F1.2 to F1.8
Angle of vision	f = 2.6 mm 82° (H) x 59° (V) f = 6 mm 35° (H) x 26° (V)
Angle adjustment range	Horizontal: 120° Vertical: 130° Tilt: 30°
■ GENERAL	
Power requirement	AC 24 V, 50/60 Hz or DC 12 V
Power consumption	Approx. 4.3 W
Mass	1.3 lbs./560g
Operating temperature	14°F to 122°F (recommended: 32°F to 104°F)
Dimensions	Approx. 156 mm diameter x 89 mm
Accessories	<ul style="list-style-type: none"> • Instructions x 1 • Warranty card x 1 • Service information card x 1

Dimensions



Design and specifications subject to change without notice.



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

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