

JVC®

The Perfect Experience / —
/ —

FIXED COLOUR DOME CAMERA

TK-C205VPE

(24V AC/12V DC)

Simple Plug & Play Dome Camera with
Vandal-Resistant Construction and Super
High Resolution

◆ **1.0 Super LoLux™**
lux

535 TV Lines



- Outdoor-ready vandal-resistant structure (complies with IP66) built to withstand shock, rain or extreme temperatures (operating temperature of -10°C to +50°C)
- Easy Plug & Play Installation with Built-in Ceiling Mechanism
- 535 TVL of Horizontal Resolution from 1/4" High Resolution 440,000 Effective Pixel CCD
- Super-LoLux Sensitivity:
 - 1.8 lux F1.2 with Clear Cover
 - 1.0 lux at F1.2 AGC ON, 25% Video (Typical Sensitivity with Clear Cover)
- 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 2,300°K to 10,000°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

Vandal-resistant plug & play dome camera with 535 TVL resolution and Lolux sensitivity

Ready for service indoors or out, this high-performance dome camera features a rugged, vandal-resistant housing that protects the camera even under the most adverse conditions. Combine this with industry-leading horizontal resolution of 535 TVL, plus an advanced colour matrix and excellent signal-to-noise ratio, and you've got a solid foundation for a reliable, high-quality surveillance system.

Outdoor-ready vandal-resistant* structure (complies with IP66) to withstand shock, rain or extreme temperatures (operating temperature of -10°C to +50°C)

With a solid die-cast aluminum base and silicon processed dome cover, this camera's enclosure is based on an original JVC design that meets the most rigorous standards for protection. Built to handle just about anything, this durable enclosure can withstand a hard hit from a hammer with barely a scratch and its IP66 rating means it can be safely installed outdoors without worrying about the weather. So, from accidental shocks to deliberate assaults or extreme weather, these rugged cameras are ready for anything.

*Vandal-resistant: The rugged die-cast aluminum body has the shock absorption capability necessary to absorb a standard level shock wave.

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 440,000 Effective Pixels

JVC's TK-C205VPE comes with a 1/4-inch Interline Transfer (IT) CCD for accurate colour reproduction and super LoLux sensitivity of 1.8 lux.

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

TK-C205VPE has a signal-to-noise ratio of 50dB for sharp pictures with very precise colour reproduction.

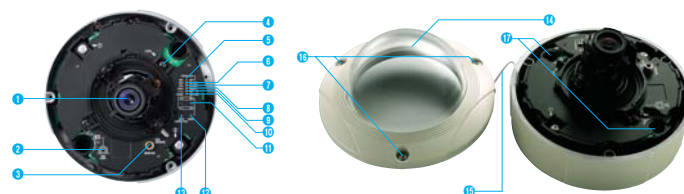
Automatic Gain Control (AGC)

With super LoLux sensitivity, as ambient light level falls, automatic gain control (AGC) increases the camera's sensitivity to 1.8 lux.

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 Dome cover
- 15 Drop prevention wire
- 16 Special screws
- 17 Mounting holes



Plug

Remove this plug when using the conduit hole on the side of the camera.



Conduit hole

Specifications

CAMERA

Signal system	PAL
Image device	1/4" IT CCD
Effective picture elements	440,000 pixels, 752 (H) x 582 (V)
Sync system	Line lock/Internal
Video S/N	50 dB (AGC OFF, typical)
Horizontal resolution	535 TV lines (typical)
Minimum illumination	1.8 lux (F1.2 AGC ON, 25%) 1.0 lux (F1.2 AGC ON, 25%)
White balance	ATW/Manual (switchable)
ATW	Colour temperature range 2,300°K to 10,000°K
Backlight compensation	ON/OFF (Switchable)

LENS

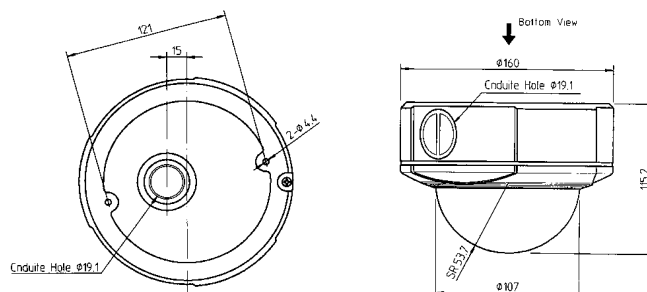
Focal length	2.6 mm to 6 mm (variable)
Max. aperture ratio	F1.2 to F1.8
Angle of vision	f = 2.6 mm 82° (H) x 59° (V) f = 6 mm 35° (H) x 26° (V)
Angle adjustment range	Horizontal: 350° Vertical: +80°, -50° Tilt: ±10°

GENERAL

Power requirement	AC 24 V, 50/60 Hz or DC 12 V
Power consumption	Approx. 300 mA
Mass	1.3 kg
Operating temperature	-10°C to 50°C (recommended: 0°C to 40°C)
Dimensions	Approx. 160 mm diameter x 115.2 mm
Accessory	Instructions x 1, Wrench x 1, Silica gel x 1

Dimensions

Unit: mm



Design and specifications subject to change without notice.

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