

JVC®

The Perfect Experience / —

FIXED COLOR DOME CAMERA

TK-C215VP series

TK-C215VP12U 12x variable focal lens

TK-C215VP4U 4x variable focal lens

Vandal Resistant Structure
IP66 Compliant
540TV Lines
Easy Day/Night



- 1/4" IT CCD with 380,000 effective pixels
- Outdoor-ready vandal resistant structure to meet various installation environment (IP66 Compliant)
- Optional heater unit allows camera to meet -30°C operation
- Easy to install with US standard electrical junction box and conduit tube
- 540TV lines of horizontal resolution
- Super LoLux™ sensitivity
 - TK-C215VP12U : 1.1 lx(color), 0.6 lx (B&W)
 - TK-C215VP4U : 0.8 lx (color), 0.4 lx(B&W)
- Easy Day/Night function

- Alarm zoom function (TK-C215VP12U only)
- Triple axis rotation system for wide lens adjustment :
 - horizontal : 350°, vertical ±70°, rotation ±175°
- Full featured security camera
 - Easy focus adjustment
 - Monitor video output(RCA)
 - Automatic Gain Control(AGC) on/off
 - Automatic tracking white balance(ATW)and manual modes 2300K to 10000K
 - Backlight compensation(BLC) on/off
 - Sync systems : INT/Line Lock
 - AC 24V/DC 12V operation

JVC's new TK-C215VP series camera was designed to satisfied various installation environment such as outdoor building entrance, troubled school areas, parking lots, etc. In addition, the new TK-C215VP series provides high performance images with 540TV lines of horizontal resolution and easy installation mechanism.

Choose from the following two models to meet your specific needs



TK-C215VP12U

- 12 hours
- Vandal resistant
- High resolution 540 TV lines

This is a digitally magnified sample image at the tele angle position. The 12x optical zoom lens will actually provide clear and crisp image in 540 TV lines.



TELE angle



WIDE angle



TK-C215VP4U

- 4 times
- Vandal resistant
- High resolution 540 TV lines



TELE angle



WIDE angle

540TV lines Horizontal resolution

TK-C215VP series achieves a high picture quality using a 1/4" interline transfer CCD and advanced JVC's digital processing technologies. TK-C215VP will provide accurate color reproduction and high signal to noise ratio.



Vandal resistant

TK-C215VP series come with vandal resistant housing using strong aluminum die-cast chassis and poly carbonate dome cover. As an example, TK-C215VP camera will pass the test procedures shown to the right.



IP66

Considering outdoor usage demands, TK-C215VP series was designed to conform with IP66 which is a global standard. The definition of water proof is "water projected from a nozzle as a powerful water jets against the enclosure from any direction shall have no harmful effects". The dust proof means that there is no dust penetration.

Easy installation

With an all aluminum die-cast camera case and specific poly carbonate cover, these TK-C215VP cameras can withstand various rough environments while having a tough vandal resistant structure. While it is tough on vandals and adverse environment conditions, this camera is user friendly. The following pictures illustrate the easy installation process of the new JVC TK-C215VP series.

Mounting procedures



1. Pull out the camera unit by loosening the screws.*1

2. Mount the camera base to the ceiling using conduit or electrical box.*2

3. Slide the camera unit into the camera base and gently push until locks-in with a click.

4. Using a screwdriver secure the camera unit to the base by tightening the 2 screws.

5. Adjust the angle and focus testing with the dome cover.

6. After lens setup, install silica gel bag and fit the inner cover.



7. Install and secure dome cover using supplied Allen hex wrench. Installation completed!

Image samples on ceiling panel



• Ceiling mount using electrical conduit (pipe)

• Ceiling mount using standard electrical box.

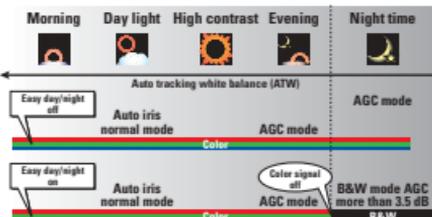


*1: These procedures showed by photos for leaflet and actually camera base and dome cover connected by a fall prevention wire.

*2: After wiring, video connectors should be inserted into camera unit.

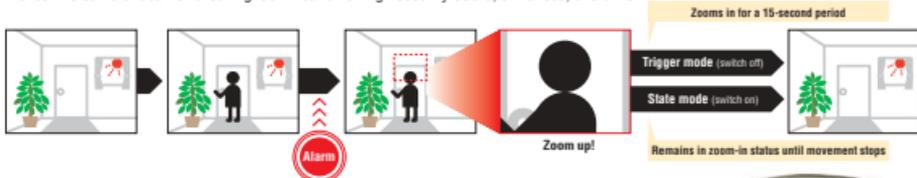
Easy day/night function

The TK-C215VP series automatically use color mode when the object is bright, and B&W mode when it is very dark. In B&W mode, AGC remains active to ensure high performance even under low-light conditions. Easy day/night assures around-the-clock optimum imaging performance.



Alarm zoom function using optical zoom (TK-C215VP12U only)

The TK-C215VP12U comes with a 12x lens and an alarm input interface. When an object appears in the field of view, an alarm signal is activated from the alarm sensor installed and the camera engages to automatically zoom into the center of the image. Once the object has left the field of view and the alarm signal is deactivated, the camera automatically returns back to its original position. This function makes this camera ideal for ensuring identification at high security doors, entrances, and exits.



Triple axis rotation system for wide lens adjustment

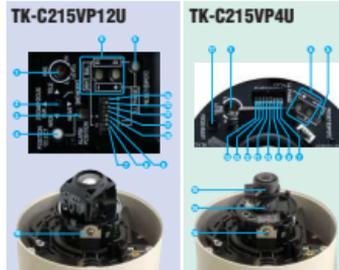
The TK-C215VP's lens angle can be freely adjusted within the following range: 350° (horizontal), ±70° (vertical) and ±175° (rotation). Since images do not appear inverted even when the lens angle is set at a rotation of ±175°, the camera can be installed virtually anywhere. Thanks to this outstanding lens angle adjustment mechanism, surveillance image quality will not be compromised regardless of where the dome camera is installed.



Specifications

	TK-C215VP12U	TK-C215VP4U
Camera		
Signal system	NTSC	NTSC
Image device	1/4" IT CCD	1/4" IT CCD
Number of effective pixels	380,000	380,000
Pick-up area	3.6 mm (H) 2.7 mm (V)	3.6 mm (H) 2.7 mm (V)
Scanning system	15.734 kHz (H), 59.94 Hz (V)	15.734 kHz (H), 59.94 Hz (V)
Sync system	Internal, Line lock	Internal, Line lock
Video output	Composite video signal: 1.0 V (p-p), 75 ohms (BNC)	Composite video signal: 1.0 V (p-p), 75 ohms (BNC)
Horizontal resolution (typ.)	540 TV lines	540 TV lines
Video S/N ratio	50 dB	50 dB
Minimum illumination (typ.)		
Color mode	1.1 lx F1.6, AGC on	0.8 lx F1.3, AGC on
B&W mode	0.6 lx F1.6, AGC on	0.4 lx F1.3, AGC on
AGC	on/off	on/off
Backlight compensation	on (1 pattern)/off	on (1 pattern)/off
White balance	ATW/Manual	ATW/Manual
Easy day/night	Yes	Yes
Focus adjust	Yes	Yes
LENS		
Focal length	f = 3.8 mm to 45.6 mm, 12x vari-focal	f = 2.8 mm to 10 mm, 3.6x vari-focal
Max aperture ratio	F1.6 to F2.7	F1.3 to F3.0
Iris	DC iris	DC iris
Field of View	52° (H) 39° (V) to 4.5° (H) 3.4° (V)	73° (H) 54° (V) to 20° (H) 15° (V)
Angle adjustment range (Horizontal/Vertical/Rotation)	350° ± 70° ± 175°	350° ± 70° ± 175°
GENERAL		
Power supply	AC 24V (60 Hz), DC 12V	AC 24 V (60 Hz), DC 12 V
Power consumption	6.6 W	4.2 W
Operating temperature	14 F to 122 F (-10 °C to 50 °C)	14 F to 122 F (-10 °C to 50 °C)
< Recommended >	<32 F to 104 F (0 °C to 40 °C) >	<32 F to 104 F (0 °C to 40 °C) >
Dimensions	ø 6-1/4 inches x 4-7/8 inches (H) (160 mm 125 mm (H))	ø 6-1/4 inches x 4-7/8 inches (H) (160 mm 125 mm (H))
Weight	approx. 2.86 lbs. (1.3 kg)	approx. 2.64 lbs. (1.2 kg)

Controls, connectors and indicators

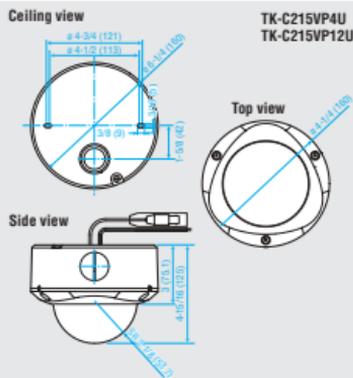


- ① [IRIS LEVEL] Iris level adjustment ② [ZOOM/FOCUS, MEMORY] Zoom/Focus adjustment switches, position memory button
 ③ [ALARM POSITION] Status indication LED ④ [POSITION SELECT] Position select button ⑤ [RESET/SPOT] Reset/Spot button
 ⑥ [R/B, +/-] R/B, +/- adjustment button ⑦ [AGC] Auto gain control switch ⑧ [SELECT] WHT.BAL./PHASE setting switch
 ⑨ [SYNC] Synchronization system selection switch ⑩ [WHT.BAL.] ATW/Manual selection switch ⑪ [BLC] Backlight compensation switch ⑫ [DAY/NIGHT] Easy day/night switch ⑬ [ALARM] Alarm input mode selection switch ⑭ [RESERVED] Not used (set to off) ⑮ [RESET/SPOT] Reset/Spot correction selection switch ⑯ [Tilt lock screw] ⑰ [FOCUS ADJ.] Focus adjustment switch ⑱ Focus adjustment ring ⑲ Zoom adjustment ring



Dimensions

Unit: inches (mm)



Design and specifications subject to change without notice.

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