Variable Focal-Length Lens (f=2.6 to 6 mm)
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1/4-inch 380,000 Pixel CCD
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High Sensitivity — 4 Lux (with cover), 1.5 Lux (without cover)
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Digital 2X Zoom — Auto Pan, Tilt, Scroll and Preset Sequence (Auto Patrol) Mode
Digital 2X Zoom — Auto Pan, Tilt, Scroll and Preset Sequence (Auto Patrol) Mode
6 Preset Positions
6 Preset Positions
One-push Auto White Balance
One-push Auto White Balance
Programmable Backlight Compensation
Programmable Backlight Compensation
RS-422A and RS-485 Control Signals
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Compact, Space-saving Design
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Fully Programmable, Compact Dome Camera Captures Top-Quality Pictures in an Expandable System

Packing all the advanced image-gathering technologies needed to operate flexibly in a wide range of environments, the TK-C553U comes in an exceptional economical package. It lets you build a surveillance system that can be easily expanded as your needs grow — one that is virtually maintenance free and can be operated easily by anyone.

With its fully programmable Auto Patrol function, JVC's TK-C553U can pan and tilt to monitor up to six positions in a sequential or random pattern. A wide-aperture, wide-angle lens with zoom further boosts coverage. Images are captured by a JVC 1/4-inch CCD with 380,000 pixels, which delivers 470 TV lines for crisp pictures at light levels down to 1.5 Lux (without cover).

Yet, despite featuring some of the most advanced video-capturing technologies, the TK-C553U is remarkably compact. Its surveillance capabilities far exceed those of conventional fixed cameras, letting you cover a larger area with fewer cameras — another major cost saving.
Simple Menu-driven Parameter Setting
Easy-to-use menu-driven operation lets you set a host of parameters including IRIS level, ENHANCE level, ATW/MANU, AGC ON/OFF, Super AGC ON/OFF, L.L. phase, digital zoom, and preset mode. The menu operation can be performed through the menu control on the camera unit or the RM-P2580U JVC Dome Controller.

Preset Sequence (Auto Patrol) Mode
Using the powerful Auto Patrol function you can program the camera to monitor up to six preset positions, remaining at each position for a preset time. Pan, tilt, and scroll are all fully automated. Coverage of an area by panning can be random or sequential, with the user programming the TK-C553U to suit local operating conditions.

Wide Angle Adjustment Range
The camera angle is adjustable over a wide range to ensure comprehensive coverage of the area under surveillance — horizontal: 90°, vertical: 130°, and Tilt: 30°.

Crisp Pictures Down to 1.5 Lux
The TK-C553U features a 1/4-inch CCD with 380,000 pixels, which delivers 470 lines of horizontal resolution. Sensitivity is excellent — the TK-C553U can capture top-quality pictures in ambient light down to 4 Lux with cover on. Careful attention to dome design also eliminates optical distortion.

Lens and Digital Zoom
The professional-quality large aperture lens of the TK-C553U features a 2X digital zoom ratio and zoom can be smoothly and easily operated from the controller, which gets you close to the action fast. To further enhance versatility, the lens has a variable focal length (2.6 to 6.0 mm) to keep subjects, near and far, in sharp focus at all times.

RS-422A/RS-485 Interfaces
The distance of the camera and controller is a maximum of 4,000 feet (1.2 km). The TK-C553U accepts RS-422A/RS-485 control signals, allowing both point-to-point and multi-drop control of cameras from a single controller.

ID Capability
The ability to assign an ID to individual cameras means you can quickly and simply configure a remotely controlled, multi-camera surveillance system.

Easy Installation and Wide Coverage
Compact and lightweight, the TK-C553U is designed for easy installation on a ceiling. Its wide-angle lens and clever dome design also mean that the TK-C553U can cover an area that would require a number of conventional cameras, further reducing installation time and cost.

Full Auto White Balance
You can adjust white balance manually or automatically for light within a color temperature range of 2,500°K to 8,000°K.

Camera Text
Text of up to twenty-four characters can be input and set for each camera. The text appears at the bottom of the monitor screen and lets the user instantly know the location of the camera.

Backlight Compensation
The powerful Backlight Compensation function provides a sense of depth around a subject in the foreground by filling the background, which prevents silhouetting.
Specifications

**CAMERA**
- Signal system: NTSC
- Image device: 1/4" IT CCD
- Effective picture element: 380,000 pixels, 768 (H) x 494 (V)
- Sync system: Line lock/Internal
- Video S/N: 50 dB (typical)
- Horizontal resolution: 470 TV lines (typical)
- Minimum illumination: 4 lux (Full wide angle, AGC 20 dB, Y: 25%)
  1.5 lux (Full wide angle, AGC 20 dB, Y: 25%, no cover)
- Camera ID: 24 characters
- White balance: ATW/Manual/AWC
- BLC: Available by adjustment of light metering area position

**LENS**
- Focal length: 2.6 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: 90°
- Vertical: 130°
- Tilt: 30°

**GENERAL**
- Remote control input: RS-422A or RS-485 (non-isolated)
- Power requirement: AC 24 V~, 50/60 Hz or DC 12 V
- Power consumption: Approx. 1.6 W
- Operating temperature range: 14°F to 122°F/−10°C to +50°C
- (recommendation: 32°F to 104°F/0°C to +40°C)
- Dimensions: Approx. 4-7/16" (112 mm) diameter x 4-1/2" (113 mm)
- Weight: Approx. 1.3 lbs. (570 g) with ceiling mount

Basic system

Controls, connectors and indicators

**Dimensions**

Unit: inches (mm)

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

Design and specifications subject to change without notice.