JVC®
PROFESSIONAL

COMPONENT TRIAXIAL SYSTEM

RM-P275

High Quality Picture, Multi-Features, Versatile and Cost-Effective Remote Camera Control Station

High-Performance Wide-Band Component Triaxial System

In response to demand for a triaxial wide-screen setup that supports 16:9 aspect ratio cameras and provides pin-sharp image transfer, JVC has come up with the answer: the RM-P275 Wide-Band Component Triaxial System.

(BB) signals. The front panel of the base station also features controls for SC and H adjustments.

■ **Compatible with wide range of cameras**
The RM-P275 supports the KY-D29 and KY-D29W remote controllable cameras.

■ **Serial interface for camera operation**
The camera is operated via a serial interface, allowing the remote operator to issue an extensive series of control commands.

■ **Base station operable by remote control panel**
A separately available remote control panels can also be used to operate the base station. Supported model is the RM-LP35.

■ **Intercom system**
The standard 4-line intercom system features engineer and producer-dedicated input lines. Return talkback from the camera location is user-adjustable at the base station.
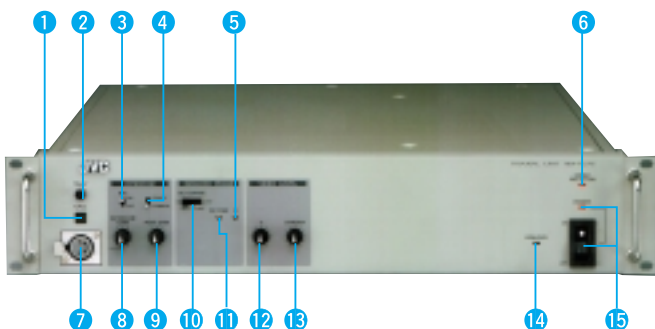For RM-P275 (NTSC), RTS intercom system is also connected.

■ **Program audio output monitoring**
Program audio input is provided. The base station's front panel provides switching for talkback circuit/program audio mixing.
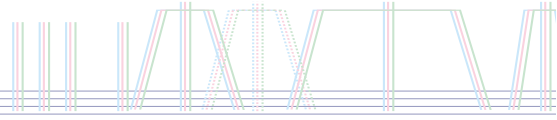
■ **Space-saving setup**
The base station has a compact design fitting in a standard 19″ (46.6 cm) rack, taking only two units of rack space.

■ **Multiple outputs**
For maximum system versatility, we've included Component outputs (Y, R-Y, B-Y) Composite outputs, and Y/C outputs.

■ **Wide bandwidth 12 MHz for Y signal**
Direct viewing of wide-screen images is now possible, even in our most reasonably priced and basic model, due to the standard inclusion of a wide-band 12 MHz channel which supports both conventional 4:3 and wide-screen 16:9 aspect ratios.

■ **Camera and base station can be separated by a distance of up to 1.5 km via cable**
Long-distance connection enables a wide range of applications, including outside broadcast and studio setups. Images can be transmitted between the camera and the base station over a distance of up to 800 m via an 8.6 mm diameter cable or up to 1.5 km using a 14.5 mm diameter cable.

■ **Automatic camera phase control for genlock circuit**
Genlock operation is available with composite video (VBS) or black burst
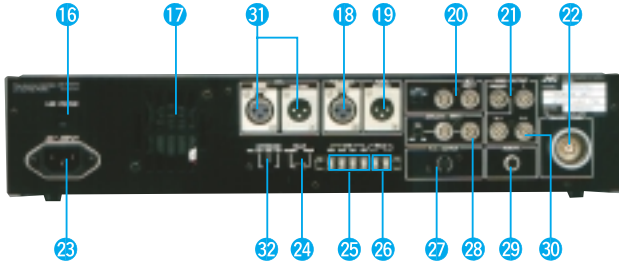
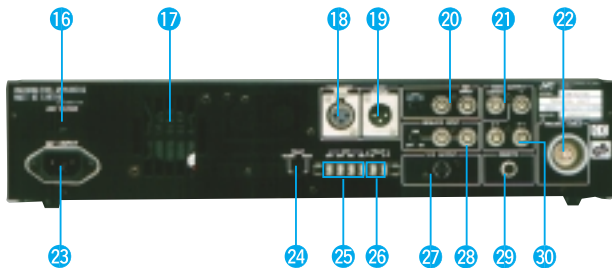# Nomenclature and Functions of Major Parts

BASE STATION [FRONT PANEL]
① [CALL] CALL button
② [TALLY] TALLY lamp
③ [MIC] MIC ON/OFF switch
④ Intercom mode selector switch
⑤ [H] Horizontal phase control
⑥ [CABLE PROTECTION] Cable protection lamp
⑦ Intercom jack
⑧ [INTERCOM GAIN] Intercom level control
⑨ [PGM GAIN] Program audio level control
⑩ [SC COARSE] SC phase coarse switch
⑪ [SC FINE] SC phase fine control
⑫ [Y] Video level control
⑬ [CHROMA] High-frequency component control
⑭ [GENLOCK] Genlock operation lamp
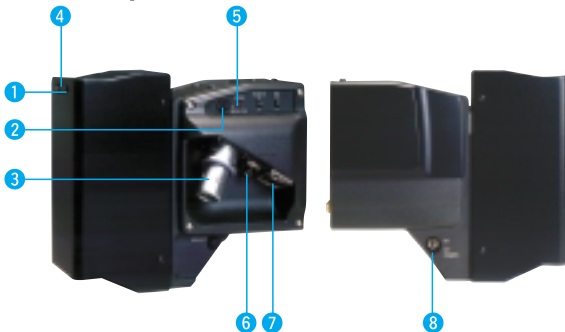⑮ [POWER] POWER lamp and switch

■ RM-P275 (NTSC)

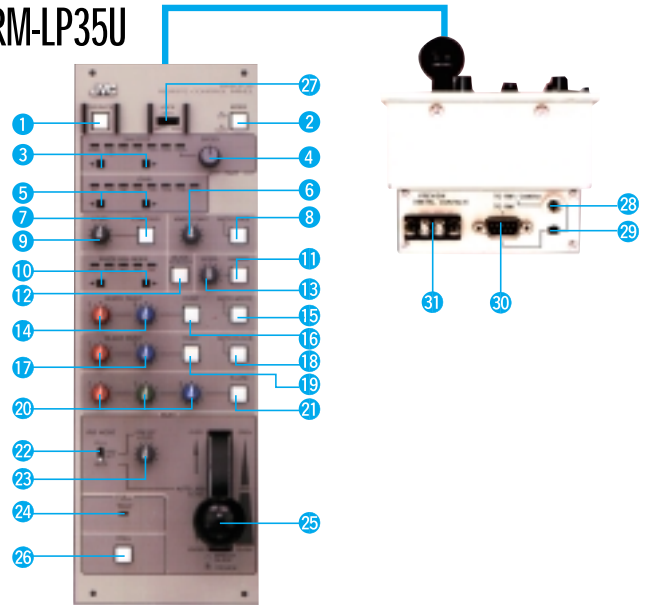## ■ RM-P275 (PAL)

RM-LP35U

BASE STATION [REAR PANEL]
⑯ **[LINE VOLTAGE]** LINE VOLTAGE selector
⑰ Fan ventilation hole
⑱ **[PGM AUDIO INPUT]** Program audio input connector
⑲ **[AUDIO OUTPUT]** Microphone output connector
⑳ **[RET INPUT]** Return video signal input connector
㉑ **[VIDEO OUTPUT]** Video signal output connector
㉒ **[TRIAXIAL CABLE]** TRIAXIAL connector
㉓ **[AC~INPUT]** AC INPUT connector
㉔ **[TALLY]** TALLY select switch
㉕ **[4W]** Intercom connector
㉖ **[TALLY]** TALLY terminals
㉗ **[YC/OUTPUT]** Y/C signal output connector
㉘ **[GENLOCK INPUT]** External synchronizing input connectors
㉙ **[REMOTE]** Remote connector
㉚ **[COMPONENT OUTPUT]** Y, R-Y, B-Y signal output connectors
㉛ **[RTS]** RTS input connector
㉜ **[INTERCOM]** INTERCOM select switch

Triaxial Adapter

❶ **[INTERCOM GAIN]** INTERCOM level control
❷ **[INTERCOM]** INTERCOM connector
❸ **[TRIAX]** Triaxial cable connector
❹ Power lamp
❺ Back tally lamp
❻ **[TALLY SW]** Tally switch
❼ **[CALL]** Call button
❽ Breaker

❶ **[OPERATE]** Operation button
❷ **[MODE]** Mode button
❸ **[SHUTTER]** Shutter speed buttons
❹ **[V.SCAN SPEED]** Variable scan control
❺ **[GAIN]** Gain buttons
❻ **[KNEE POINT]** Knee point control
❼ **[CONTOUR]** Contour button
❽ **[AUTO KNEE]** Auto knee button
❾ **[LEVEL]** Contour control
❿ **[WHITE BAL MODE]** White balance mode buttons
⓫ **[GAMMA]** Gamma button
⓬ **[BLACK STRETCH]** Black stretch button
⓭ **[LEVEL]** Gamma level control
⓮ **[WHITE PAINT]** White paint controls
⓯ **[AUTO WHITE]** Auto white button
⓰ **[PAINT]** White paint button
⓱ **[BLACK PAINT]** Black paint controls
⓲ **[AUTO BLACK]** Auto black button
⓳ **[PAINT]** Black paint button
⓴ **[FLARE]** Flare control
㉑ **[FLARE]** Flare button
㉒ **[IRIS MODE]** Iris mode switch
㉓ **[PRESET LEVEL]** Preset level control
㉔ **[TALLY]** Tally light
㉕ **[IRIS]** Iris control lever
㉖ **[CALL]** Call button
㉗ **[LOCK]** Function lock button
㉘ **[TO RM/CAMERA]** 6-pin connector
㉙ Connector selector
㉚ **[TO RM]** D-sub 9-pin connector
㉛ **[PREVIEW]** Switch output connector

Specifications

Output signals
Component: Y; 1Vp-p 75Ω, Pb; 0.7Vp-p 75Ω, Pr; 0.7Vp-p 75Ω
Composite video signal: 1 Vp-p, 75Ω x2
Y/C signal: Y; 1Vp-p (including SYNC) 75Ω, C; 0.3Vp-p (burst level) 75Ω x2
Intercom: 4-wire system; 0 dB, 600 Ω balanced (RTS: RM-275U [NTSC only])
Audio signal: -20 dBm, 600 Ω

Input signals
External sync signal: Composite video signal 1Vp-p, 75 Ω (bridge connectable) or black burst 0.45 Vp-p
RET signal: Composite video signal or VS 1 Vp-p, 75 Ω x 2 (bridge connectable)
MIC input: -60 dBm, 600 Ω
Intercom: 4-wires system; 0 dB, 600 Ω balanced (RTS: RM-275U [NTSC only])
Program audio: -4dB, 600 Ω, unbalanced
Tally: Contact supply or power supply (5-24 VDC or 6 VAC)

Others
Input voltage: 120 V AC, 60 Hz (RM-P275U)
230/240 V AC, 50/60 Hz (RM-P275E)
Power consumption: 75W (including camera with VF-P550B)
Weight: Base station; 11.5 kg
Camera adapter; 2.7 kg (including handle and top cover)
Ambient temperature: 0°C to +40°C/32°F to 104°F

Accessories
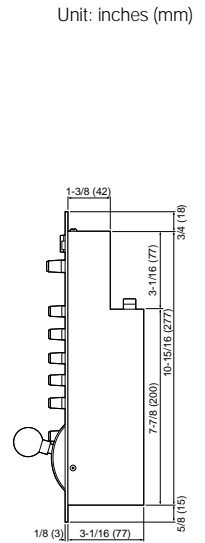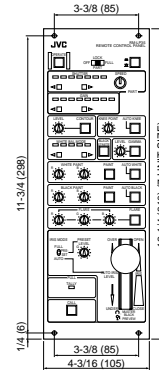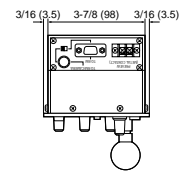Power cord x 1
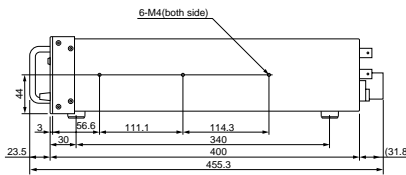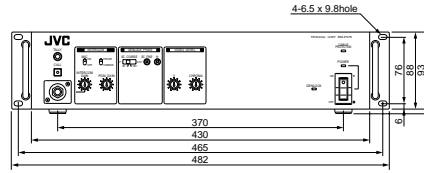Handle x 1
Extension board x 1
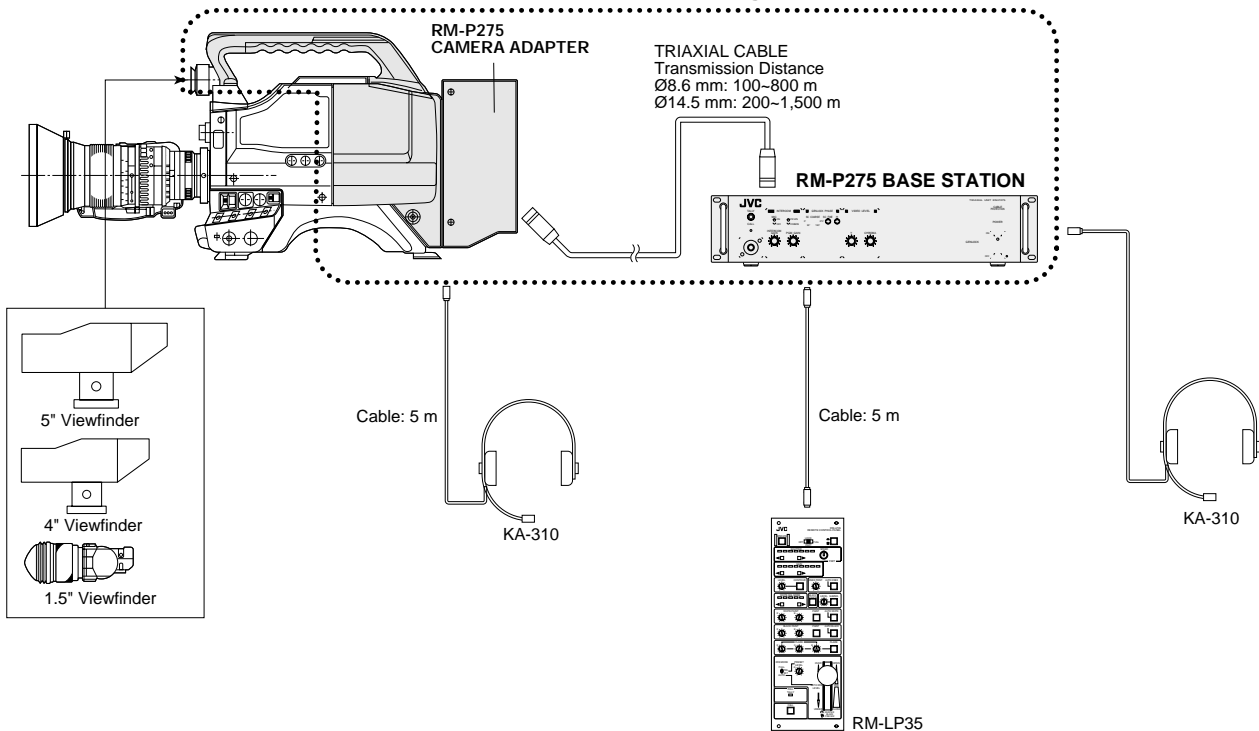Top Cover x 1
Line Filter x 1
Screw x 2
RF Cable x 1
Instruction manual x 1

Dimensions

Unit: inches (mm)

System Configuration

RM-P275 Standard Package

RM-P275 CAMERA ADAPTER

TRIAXIAL CABLE
Transmission Distance
Ø8.6 mm: 100~800 m
Ø14.5 mm: 200~1,500 m

RM-P275 BASE STATION

5" Viewfinder
4" Viewfinder
1.5" Viewfinder

Cable: 5 m

KA-310

Cable: 5 m

RM-LP35

KA-310

Design and specifications subject to change without notice.

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

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