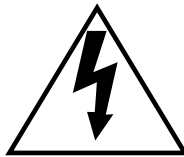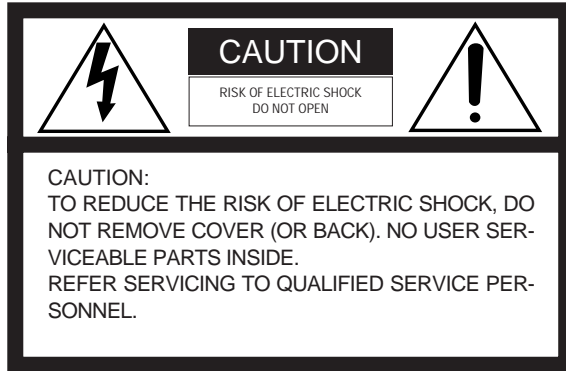# AW-PB301/PB305

Operating Instructions

Panasonic®

Before attempting to connect or operate this product,
please read these instructions completely.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO
NOT REMOVE COVER (OR BACK). NO USER SER-
VICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PER-
SONNEL.

SA 1965

The lightning flash with arrowhead sym-
bol, within an equilateral triangle, is
intended to alert the user to the pres-
ence of uninsulated "dangerous voltage"
within the product's enclosure that may
be of sufficient magnitude to constitute a
risk of electric shock to persons.

SA 1966

The exclamation point within an equilat-
eral triangle is intended to alert the user
to the presence of important operating
and maintenance (servicing) instructions
in the literature accompanying the appli-
ance.

The information marking of this product may be found on the
bottom of the unit.
The serial number of this product may be found on the bot-
tom of the unit.
You should note the serial number of this unit in the space
provided and retain this book as a permanent record of your
purchase to aid identification in the event of theft.

Model No. _____

Serial No. _____

WARNING:
   TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CONTENTS

PREFACE

- When the studio card AW-PB301/AW-PB305 is installed in a convertible camera, for example, AW-E300, the electronic viewfinder (EVF) and intercom will be usable, making it possible to use the camera in studios.

- When the studio card AW-PB301 is installed in a convertible camera, for example, AW-E300, R/G/B or Y/Pr/Pb component signals can be output.
- When the studio card AW-PB305 is installed, only composite video signals and Y/C signals will be output.

SPECIAL NOTES ON OPERATION

- **Power Off Before Connecting or Disconnecting Cables**
  Before plugging or unplugging the cables, be sure to switch power off.

- **Handle Carefully.**
  Do not drop the product, or subject it to strong shock or vibration. This is important to prevent trouble.

- **Avoid Humidity and Dust.**
  Avoid using the product at a humid, dusty place because much humidity and dust will cause damage to the parts inside.

- **Operating Temperature Range**
  Avoid using the product at a cold place below -10°C or at a hot place above +45°C because extremely low or high temperature will adversely affect the parts inside.

PRECAUTIONS

- Ask a qualified service person for repairs when necessary.

- Do not attempt to disassemble the camera, Remote Control Unit (RCU) or other units. In order to prevent electric shock, do not remove screws or covers. There are no user-serviceable parts inside.

- Do not let water, metal, or other foreign objects inside. This is important to prevent fire and electric shock.

- If you see smoke or smell an odor from the product, if water or other foreign matter gets inside, if it is damaged by dropping, or if you find anything wrong with it, immediately stop using it.

MAJOR OPERATING CONTROLS AND THEIR FUNCTIONS

EVF

❶ Viewfinder connector

ST.BY
ON

❷ Viewfinder standby switch

LEVEL

❷ Intercom volume control

INCOM

❷ Intercom connector
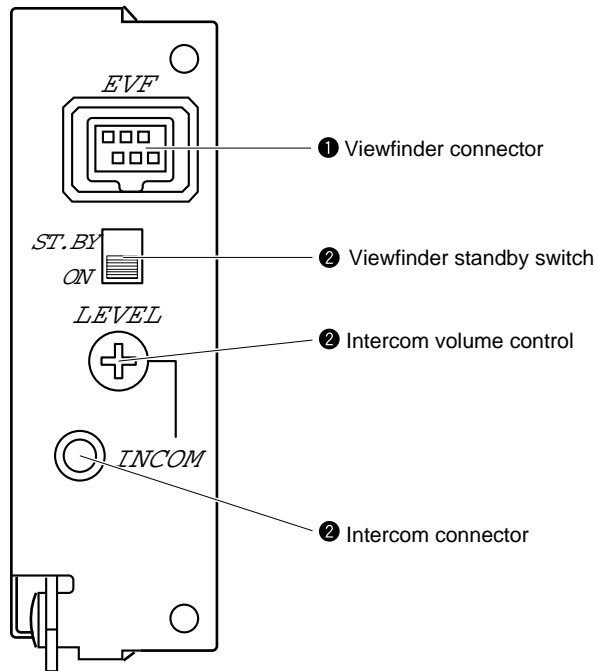
❶ **Viewfinder connector [EVF]**

Connect the cable for the viewfinder mounting bracket AW-Q40.

❷ **Viewfinder standby switch [ST.BY/ON]**

When this switch is set to [ST.BY], the viewfinder will be in standby condition.
The position ON, the picture is shown in the viewfinder screen.

❸ **Intercom volume control [LEVEL]**

Used to adjust intercom volume level.

❹ **Intercom connector [INCOM]**

Connect an intercom to this connector.
If the intercom plug has a different diameter, use the conversion adapter supplied as an accessory.

MOUNTING

(1) Switch the camera off, and disconnect the power connector and other cables from the camera.

(2) Loosen the four screws on the rear of the camera and remove the rear panel.

(3) Loosen the two screws for the option card slot and remove the cover.

(4) Insert the Studio card along the guide rail at the bottom of the camera and the tab above.
Insert it securely all the way.

(5) Tighten the two card setscrews securely.
If you have lost the screws, use the screws (6 mm long) supplied as accessories.

(6) Fasten the rear panel with the four screws.
If you have lost the screws, use the screws (8 mm long) supplied as accessories.

(7) Plug the cables back as necessary, connect the power connector, then switch power on.

Rear Panel

Option card slot cover

Card setscrews (6 mm)

Rear panel
setscrews (8 mm)

Studio card
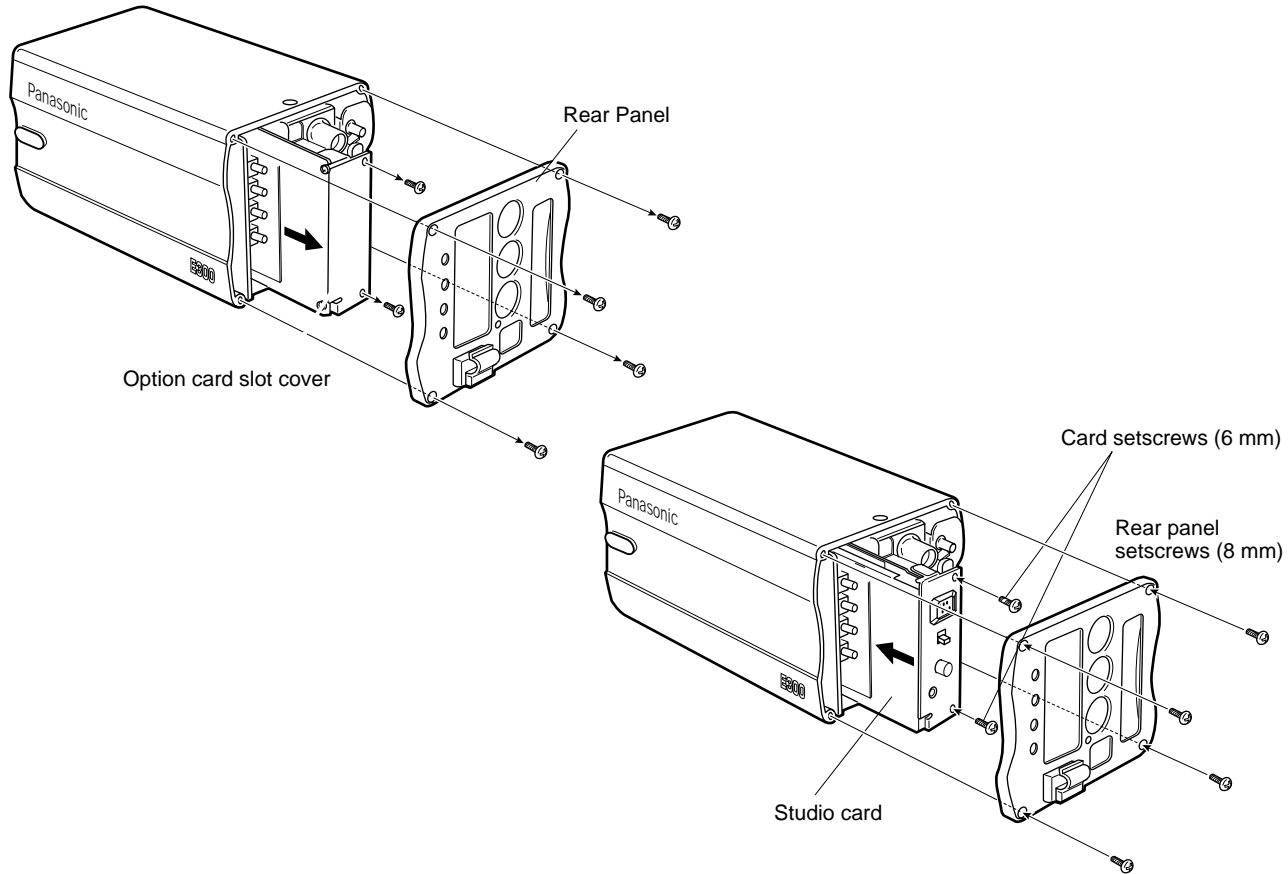
CONNECTING A STUDIO SYSTEM

- To connect an RCU (WV-RC700A or WV-RC550) to the camera, use the RCU cable AW-CA50A26.
- To mount the 5-inch electronic viewfinder WV-VF65C on the camera, use the viewfinder mounting bracket AW-Q40.
- Power is supplied from the RCU.

Viewfinder mounting bracket AW-Q40

Push viewfinder from behind

5" electronic viewfinder WV-VF65C

Turn clamp knob to fasten securely.

Turn clamp knob to fasten camera.

To IF/REMOTE

RCU WV-RC700A

RCU cable AW-CA50A26 (15 m)

Cable selector switch (Set it to MULTI.)

AC120V 60Hz

To EVF
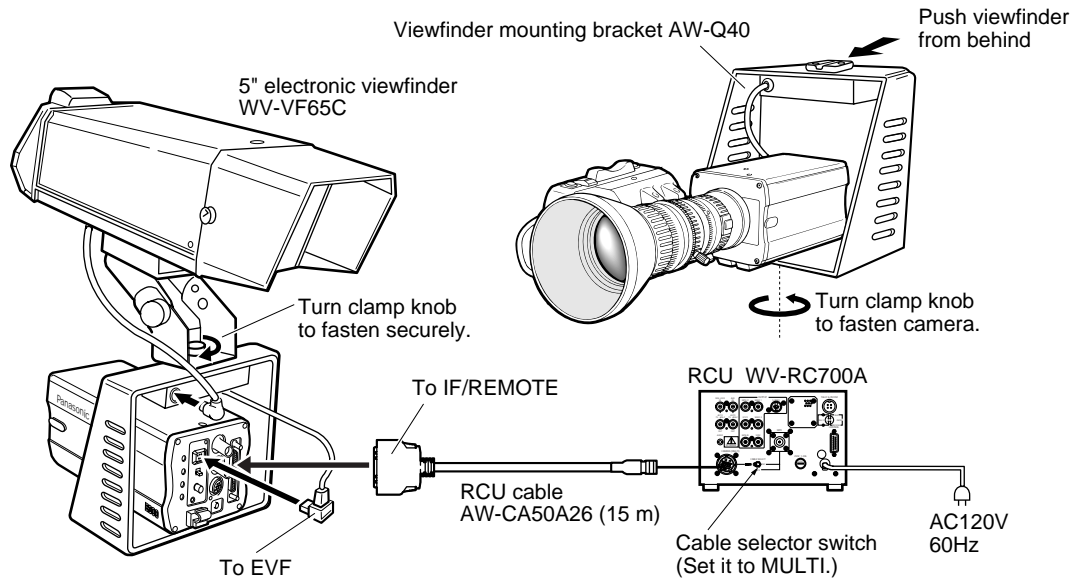
MENU ITEM SETTING

A convertible camera, for example, AW-E300, can be set using the menu as suited to the system and shooting conditions. For details, refer to the operation manual for the camera.

■ Setup Procedures (Output Signal Selection)

(1) Display the main menu.

Camera alone: Keep the menu switch depressed for 5 seconds or more.

With RCU (RCB): Set the user set switch in the pocket to ON.

● MAIN MENU SCREEN

Main Menu of Halogen, Fluorescent, Outdoor Mode

```
**Halogen Mode Set**          ——— Use Mode
 Brightness Set               ——— Blinking
 Color Set
 G/L. Color Bar Set
 Sharpness Set
 Other Set
 Option Card Set
 Initialize Data


 End
```

Main Menu of User Mode

```
**User Mode Set**
 Iris, Shutter, Gain Set
 Color Set
 G/L. Color Bar Set
 Detail Set1 Detail Set2
 Color Matrix Set
 Other Set
 Option Card Set
 Initialize Data


 End
```
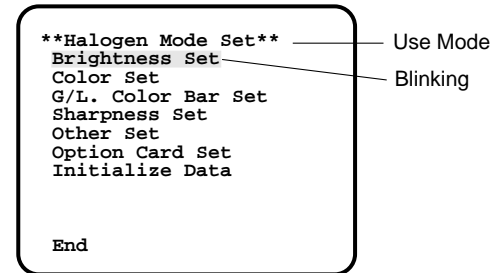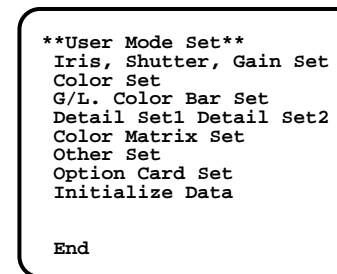
(2) The setting item (flashing) changes each time the menu switch, item switch, or NO switch is pressed. Select [Option Card Set] and press the YES switch to display the [Option Card Set] submenu.

(3) Select an item to set using the menu switch and item switch.

(4) Change the settings using the YES and NO switches.

(5) Select [Return] with the menu switch and item switch, and press the YES switch to return to the main menu.

(6) The camera is now back in shooting condition.
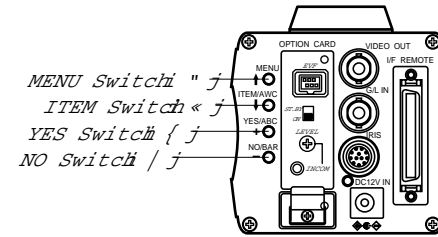**Camera alone:** Select [End] with the menu switch and item switch, then press the YES switch.
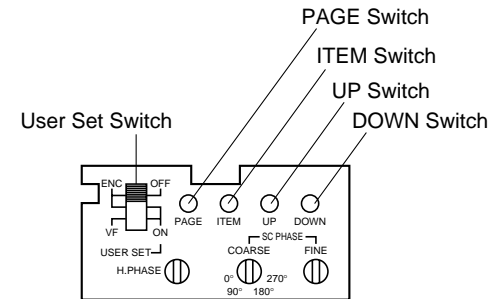**With RCU (RCB):** Set the user set switch in the pocket to OFF.

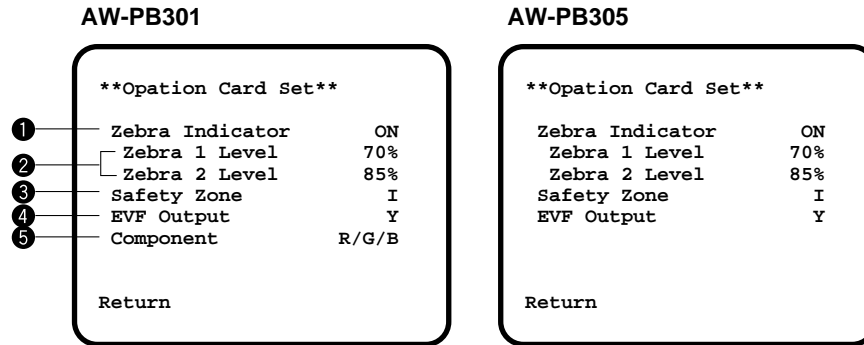The camera will now operate under the conditions thus set.

CAMERA

MENU Switch
ITEM Switch
YES Switch
NO Switch

RCU (RCB)

PAGE Switch
ITEM Switch
UP Switch
DOWN Switch
User Set Switch

■ Option Card Setting Submenu

AW-PB301

```
**Opation Card Set**

❶    Zebra Indicator       ON
❷    ┌ Zebra 1 Level       70%
     └ Zebra 2 Level       85%
❸    Safety Zone            I
❹    EVF Output             Y
❺    Component           R/G/B


     Return
```

AW-PB305

```
**Opation Card Set**

     Zebra Indicator       ON
     Zebra 1 Level         70%
     Zebra 2 Level         85%
     Safety Zone            I
     EVF Output             Y



     Return
```

❶ **Zebra Indicator [Zebra Indicator: OFF/ON]**
   ON: Zebra indicator is shown in the viewfinder.
   OFF: Zebra indicator is not shown in the viewfinder.

   Note: If [CVBS] is selected at Item [EVF Output:
   Y/CVBS] ❹, the zebra indicator will not be
   shown.

❷ **Zebra 1 Level Set [Zebra 1 Level: 70% to 109%]**
   Zebra 2 Level Set [Zebra 2 Level: 71% to 110%]
   Zebra level 1 or 2 can be only when Zebra Indicator
   ❶ is at ON.

The zebra indicator can be shown in two steps
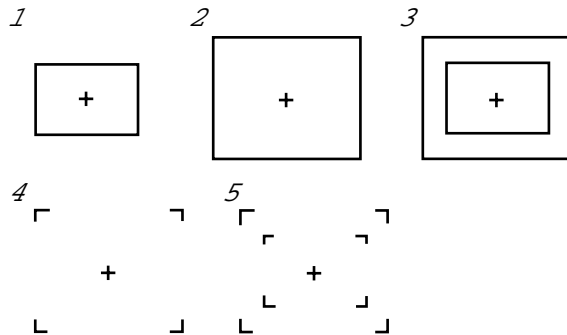using two zebra patterns.
2 Level shows a finer zebra pattern than 1 level.
2 Level must be set at least 1% higher than 2 level.

❸ **Safety Zone Select [Safety Zone: 1 to 5/OFF]**
   A type of safety zone to be shown in the viewfinder
   can be selected.
   No safety zone is shown if OFF is selected.

The inner frame indicates a safety zone of about 90% and the outer frame, a safety zone of about 95%.

Note: The safety zone and center marker indicate electrical positions, which may differ from optical positions.

❹ **Viewfinder Output Signal Select [EVF Output: Y/CVBS]**
Y: Luminance signals are output to the viewfinder.
CVBS: Color signals are output to the viewfinder. No zebra indicator will be shown.

❺ **Component Output Select [Component Output: R/G/B, Y/Pr/Pb, Y/C] (AW-PB301 only)**
Component output signals can be selected.
Component output signals are output from the interface/remote connector on the rear of the camera.

Note: R/G/B output or Y/Pr/Pb output will be positive in reproduced image regardless of the settings made with [Nega/Posi Set] on the [Other Settings] submenu of the main menu.

APPEARANCE

mm (inch)

96 (3-3/4)

21.5
(27/32)

5 (3/16)   91 (2-3/4)

70 (2-3/4)

EVF

ST.BY
ON

LEVEL

INCOM
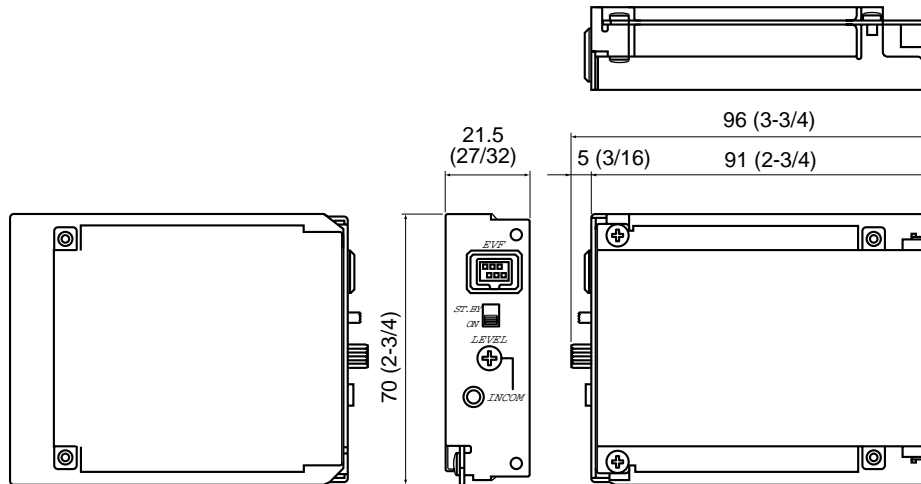
SPECIFICATIONS

Video output: Y/C: Y: 1.0 V[p-p], C: 0.286 V[p-p]
                       R/G/B: 0.7 V[p-p] (AW-PB301 only)
                       Y/Pr/Pb: Y: 1.0 V[p-p], Pr/Pb: 0.7 V[p-p] (AW-PB301 only)
                       SYNC: 2.0 V[p-p] sync signal (AW-PB301 only)
VF output: 1.0 V[p-p], composite, high impedance
Intercom jack: 3.5 mm in diameter
Switch: Switching on the panel: EVF ST-BY/ON
                       Switching on the menu: Zebra indicator ON/OFF, safety zone switching, EVF output switching,
                       component output switching (AW-PB301 only)
Adjusting functions: Intercom voice output level adjusted on the panel
                       Zebra level adjusted using the menu
Source voltage: 12 VDC (supplied from camera)
Power consumption: 3.8 W (AW-PB301), 0.5 W (AW-PB305)
Operating temperature: –10°C to +45°C (14°F to +113°F)
Operating humidity: 30 % to 90 %
Dimensions: 21.5 (W) x 70 (H) x 96 (D) mm [27/32″ x 2-3/4″ x 3-3/4″]
Weight: 105 g

Weight and dimensions indicated are approximate.
Specifications are subject to change without notice.

STANDARD ACCESSORIES

Intercom plug adapter   Screw (6 mm long) .... 2 pcs
(6.35 mm to 3.5 mm in diameter) .... 1 pc   Screw (8 mm long) .... 4 pcs

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