

Large Lens Adaptor

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

HDLA-3505

HDLA-3501

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About this manual

This manual explains the following products:

- HDLA-3505
- HDLA-3501

Figures of HDLA-3505 are used for the explanations.

Differences in specifications between the products are mentioned separately where needed.

Overview

The HDLA-3500 series adaptors are designed to enable mounting a large lens for a studio camera to a portable-type camera. Using this adaptor allows to operate the camera in studios or on relay mobiles with a large lens of high magnification, yielding high-speed controllability. This adaptor has the instant-docking mechanism as for the HDLA1500 series. You can connect the power and control signal without cables through the connector on the camera bottom. Also, you can attach/remove the lens without removing the camera and transport/preserve the camera with the lens removed.

HDLA-3505 is equipped with the control panel that consolidates the switches used by a camera operator during the operation as well as with the LCD that can display the functions of assignable switches and HD SDI IN video. It also supports the display of camera numbers on the side tallies using electronic paper.

Compatible Models

HDLA-3505:

HDC5500, HDC3500, HDC3200, HDC4300, HDC4800 (with B4 lens adaptor used), HDC2500 series, HDC3300 series, HDC1500 series, HSC300 series

Notes

- Use the latest software version of the connecting camera.
- The cameras other than HDC5500 and HDC3500 have different operations or control methods for some functions.

HDLA-3501:

HDC5500, HDC3500, HDC3200, HDC4300, HDC2500 series

Note

Use HDC5500, HDC3500, HDC3200 with the software version 3.01 or later, HDC4300 with the software version 1.90 or later, HDC2500 series with the software version 3.40 or later.

Some functions may not be operated using versions other than the above software versions. Make sure to confirm the operation before use.

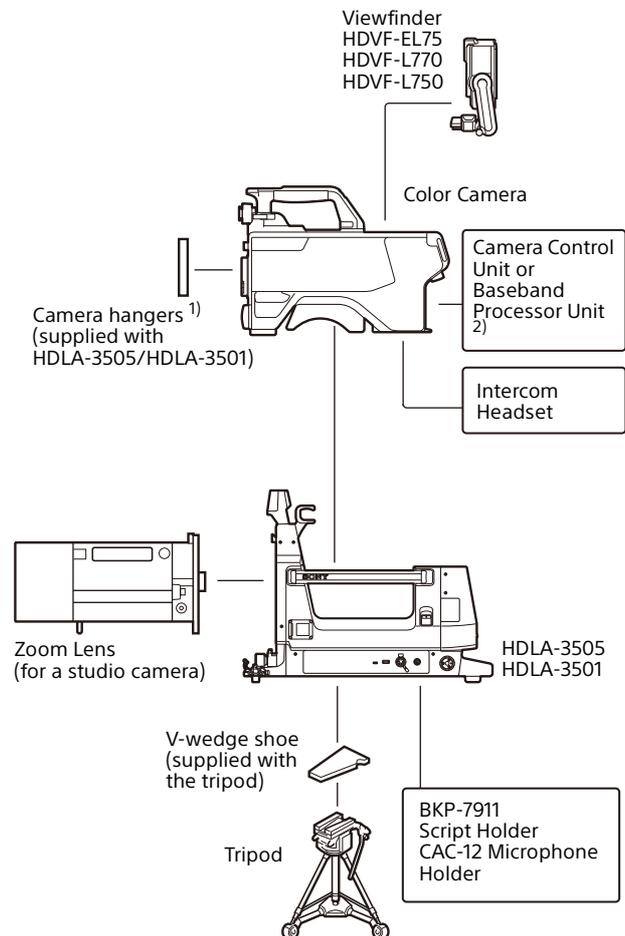
System Configuration

Peripherals and related devices for the HDLA-3500 series are shown in the figures.

Note

Some of the peripherals and related devices shown in the figures may have been discontinued.

For advice on choosing devices, please contact your Sony dealer or a Sony sales representative.



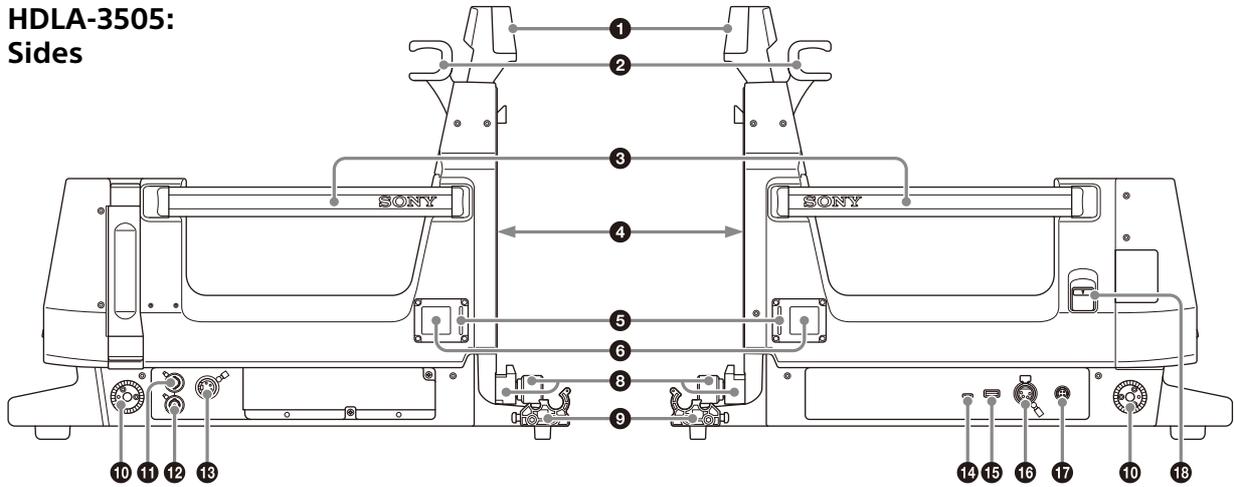
1) Part No.: A-1128-405-

2) For details about the Camera Control Unit or the Baseband Processor Unit, refer to the Operating Instructions of the Color Camera.

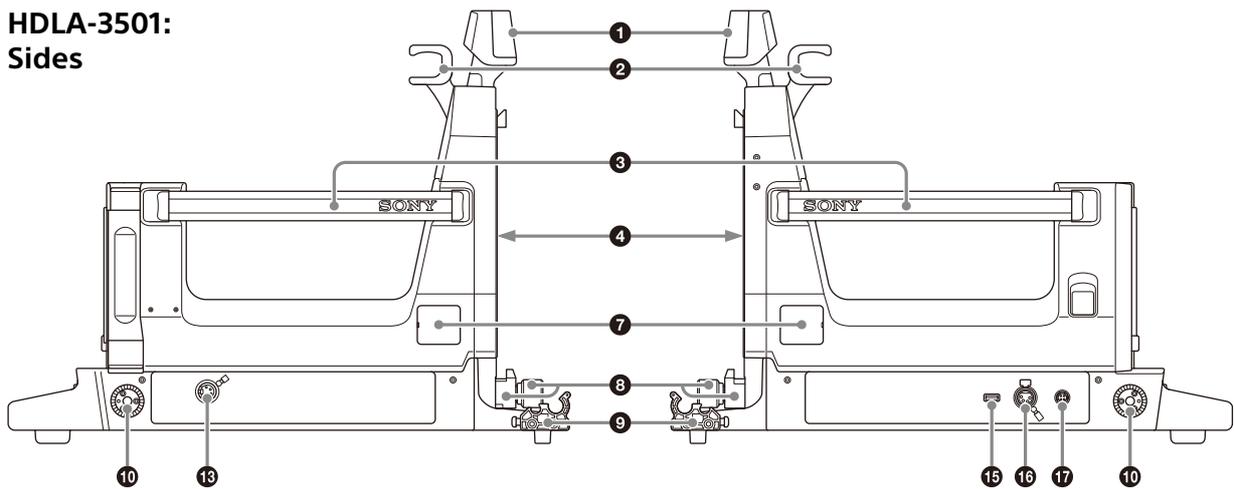
Locations and Functions of Parts

Side Panel/Rear Panel

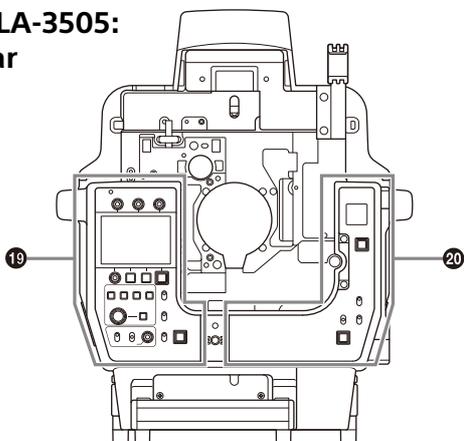
HDLA-3505:
Sides



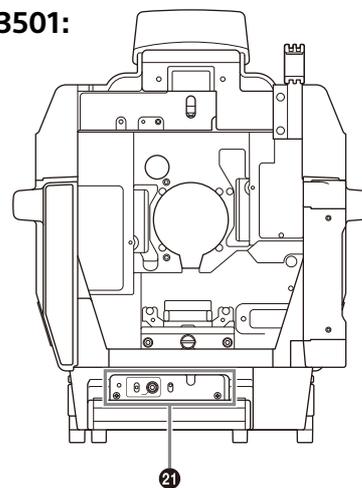
HDLA-3501:
Sides



HDLA-3505:
Rear



HDLA-3501:
Rear



1 Up tally lamp

Lights when a red tally signal is supplied to the mounted camera. To display the camera number, attach the number plate for the up tally (supplied) or set the desired number on the menu of the camera. The up tally brightness can be adjusted with the menu of the camera or assignable switch control block of this adaptor (HDLA-3505).

2 Camera handle catch

To secure the camera handle when using the viewfinder in a position closer to the front.

3 Handle

To carry the adaptor.

4 Lens mount (front)

For details, see "Attaching a Large Studio Lens" (page 11).

5 Side tally lamp (HDLA-3505)

Lights when a tally signal is supplied to the mounted camera. Corresponds to the red tally, green tally and yellow tally. The side tally brightness can be adjusted with the menu of the camera or assignable switch control block of this adaptor (HDLA-3505). The side tally lamp lights white when set to LIGHT.

6 Camera number (HDLA-3505)

The adaptor uses electronic paper (e-ink) type camera numbers. You can set the camera number using the menu of the camera.

Note

The operating temperature range of the camera number setting is 0 °C to 45 °C (32 °F to 113 °F). The setting may not be configurable if the temperature range is exceeded. Check the temperature when configuring.

7 Number plate holder (HDLA-3501)

Attach a number plate for the side panel (supplied) to display the camera number. For details, see "Attaching the Number Plates" (page 15).

8 Lens lock and lens lock knob (page 11)

These lock the lens. To attach or remove a lens, turn the knob counterclockwise until the lens lock is horizontal. To secure the lens, turn the knob clockwise until the lens lock is vertical.

Note

To attach a large lens, remove the pin from the bayonet mount of the lens.

9 Cable clamp

To secure the camera cable.

10 Accessory bracket

To secure optional accessories such as the BKP-7911 Script Holder. For more information on attaching an accessory, see the accessory's operation manual.

11 HD SDI IN connector (HDLA-3505)

To input the signal which is displayed on the LCD of the rear panel. The video signal corresponds to the HD SDI signal. For supported formats, see "SDI IN compatible formats" (page 5).

12 HD SDI OUT connector (HDLA-3505)

The input signal to the HD SDI IN connector is output as the active through signal.

13 DC IN connector (4-pin)

When operating the camera with an external power supply, connect a power supply (10.5 V to 17 V). In this case, supply power to the camera mounted on this adaptor separately.

14 DC OUT connector (USB Type-C) (HDLA-3505)

To supply general-purpose power (compliant with USB PD, max. 30 W).¹⁾

15 DC OUT connector (USB Type-A)

To supply general-purpose power (5 V, max. 2.5 A²⁾).¹⁾

16 DC OUT connector (XLR 4-pin)

To supply general-purpose power (12 V, max. 5 A²⁾).

17 DC OUT connector (round 4-pin)

To supply power (12 V, max. 1.5 A²⁾) to the script light of the BKP-7911 Script Holder.

1) Data communication is not supported.

2) The output power from DC OUT is described as the maximum output of each connector. The power supply from this adaptor is up to 108 W in total, so make sure that the total power of the LENS and all the DC OUT connectors is 108 W or less. The total power that the adaptor can supply is limited depending on the conditions, such as the cable length between the camera and CCU, type of CCU and lens used in combination.

18 Rear panel lock release lever (HDLA-3505)

19 Control panel (left side) (HDLA-3505)

For details, see "Control Panel" (page 6).

20 Control panel (right side) (HDLA-3505)

For details, see "Control Panel" (page 6).

21 Control panel (HDLA-3501)

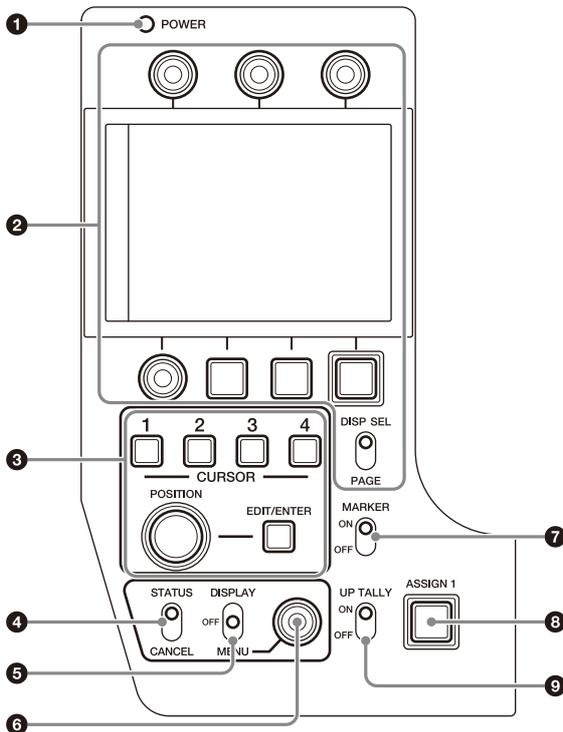
For details, see "Control Panel" (page 7).

SDI IN compatible formats

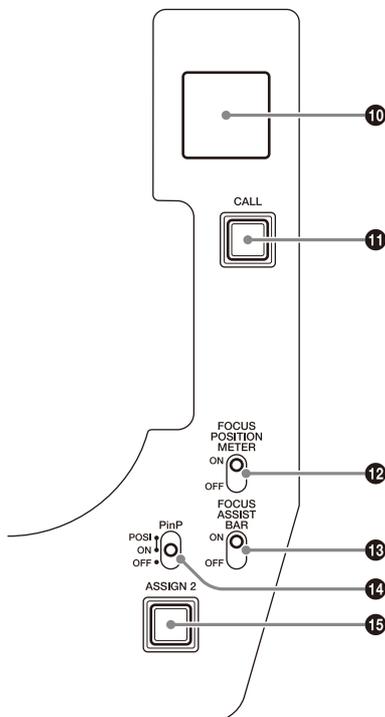
1920×1080	59.94i, 50i, 29.97PsF, 25PsF, 24PsF, 23.98PsF
1280×720	59.94P, 50P
1920×1080 Level A, Level B Dual Link	59.94P, 50P

Control Panel

HDLA-3505: Left side



Right side



❶ POWER (power) indicator

Lights as follows depending on the power supply status to the adaptor:

Green: Power is being supplied to the adaptor.

Red: The camera and the adaptor are in the standby status. The CAMERA POWER switch of the camera is in a setting other than the CCU or EXT.

The CAM PW button of the CCU, MSU or RCP lights off.

Yellow: Power is being supplied to the adaptor and the camera, but the power of the viewfinder is off.

The VF PW of the MSU lights off, and the viewfinder is off.

Off: The power is not supplied to the adaptor.

❷ Assignable switch control block

Around the LCD, there are four rotary encoders, three assignable switches and the toggle switch which changes the display. For details about the operation, see "Settings and Operations of the Assignable Switches (HDLA-3505)" (page 7).

❸ Box cursor control block

To set the box cursor display on the viewfinder screen. For details about the operation, see "Settings and Operations of the Box Cursors (HDLA-3505)" (page 9).

❹ STATUS/CANCEL (status/cancel) switch

STATUS: When no menu is displayed, the status information of the camera is displayed on the viewfinder screen.

CANCEL: When a menu is displayed, you can cancel any changed settings or return the display to the previous menu.

❺ DISPLAY (display) switch

DISPLAY: Text describing the camera operating status is displayed on the viewfinder screen.

OFF: Text does not appear on the viewfinder screen.

MENU: Displays the setup menu on the viewfinder screen.

❻ MENU (menu) knob

To select settings from menus displayed on the viewfinder screen (by turning the knob) and to confirm settings (by pressing the knob).

❼ MARKER (marker) switch

To control the display of the marker as follows:

ON: A marker selected from the camera menu will be displayed on the viewfinder screen.

OFF: The marker will not be displayed.

❽ ASSIGN 1 (assignable 1) switch

A function can be assigned as HDLA ASSIGN 1 with the SWITCH ASSIGN menu of the camera.

❾ UP TALLY (up tally) switch

Set whether or not the adaptor's up tally lamp and the lens tally lamp will light when the camera receives a red tally signal.

ON: The tally lamps will light.

OFF: The tally lamps will not light.

10 Rear tally lamp

Lights when a tally signal is supplied to the mounted camera.

Lights red, green, or yellow in response to the supplied tally signal.

When multiple tally signals are supplied, the left/right half lights separately.

Displays the camera number set with the menu of the camera. While the tally signal is supplied, the camera number is highlighted.

11 CALL (call) button

To call the operator.

When the CALL button of the adaptor is pressed, the CALL button of the CCU, MSU or RCP connected to the adaptor will light.

Also, when the CALL button of the CCU, MSU or RCP connected to the adaptor is pressed, the CALL button of the adaptor lights.

12 FOCUS POSITION METER (focus position meter) switch

Turns the focus position meter ON/OFF.

ON: Displays the focus position meter on the viewfinder screen.

OFF: The focus position meter is not displayed.

13 FOCUS ASSIST BAR (focus assist bar) switch

Turns the focus indicator ON/OFF.

ON: Displays the focus indicator on the viewfinder screen.

OFF: The focus indicator is not displayed.

14 PinP (picture in picture) switch

Turns the camera PinP function ON/OFF.

POSI: Changes the position of the PinP display.

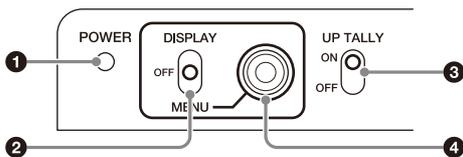
ON: PinP is displayed on the viewfinder screen.

OFF: PinP is not displayed.

15 ASSIGN 2 (assignable 2) switch

A function can be assigned as HDLA ASSIGN 2 with the SWITCH ASSIGN menu of the camera.

HDLA-3501:



1 POWER (power) indicator

Lights as follows depending on the power supply status to the adaptor:

Green: Power is being supplied to the adaptor.

Red: The camera and the adaptor are in the standby status. The CAMERA POWER switch of the camera is in a setting other than the CCU or EXT. The CAM PW button of the CCU, MSU or RCP lights off.

Yellow: Power is being supplied to the adaptor and the camera, but the power of the viewfinder is off. The VF PW of the MSU lights off, and the viewfinder is off.

Off: The power is not supplied to the adaptor.

2 DISPLAY (display) switch

DISPLAY: Text describing the camera operating status is displayed on the viewfinder screen.

OFF: Text does not appear on the viewfinder screen.

MENU: Displays the setup menu on the viewfinder screen.

3 UP TALLY (up tally) switch

Set whether or not the adaptor's up tally lamp and the lens tally lamp will light when the camera receives a red tally signal.

ON: The tally lamps will light.

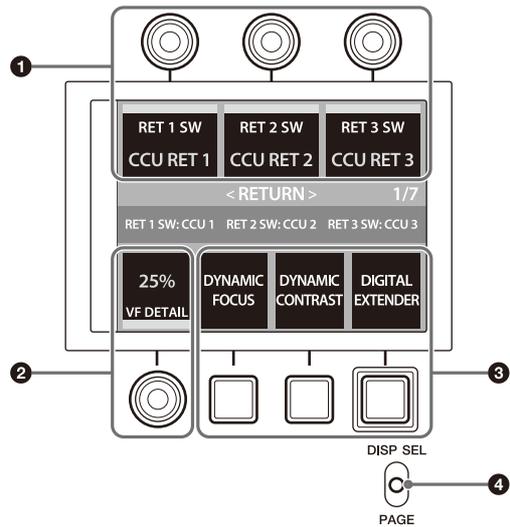
OFF: The tally lamps will not light.

4 MENU (menu) knob

To select settings from menus displayed on the viewfinder screen (by turning the knob) and to confirm settings (by pressing the knob).

Settings and Operations of the Assignable Switches (HDLA-3505)

The assignable switch control block has the LCD, four rotary encoders with switch, three illuminated switches and DISP SEL/PAGE switch.



1 RE1, RE2, RE3 control block

Displays the functions assigned to RE1, RE2 and RE3 knobs. You can change the function of knobs using the PAGE switch.

- 1/7 <RETURN>
- ↓
- 2/7 <FOCUS POSITION METER>
- ↓
- 3/7 <TALLY BRIGHTNESS>
- ↓
- 4/7 <REAR PANEL BRIGHTNESS>
- ↓
- 5/7 <FILTER LOCAL>
- ↓
- 6/7 <VF OUT>
- ↓
- 7/7 <SWITCH ASSIGN>

The values that can be changed are displayed in orange. You can turn the function assigned to each knob on/off by pressing the RE1, RE2 and RE3 knobs. For functions that can be turned on/off, an orange bar appears on the screen. You can set the settings for assigned functions by turning the RE1, RE2 and RE3 knobs. For details about the functions that can be assigned, see "Settable functions with RE1, RE2 and RE3" (page 8).

2 RE4 (VF DETAIL) control block

Knob for setting VF DETAIL. Changes VF DETAIL LEVEL by turning the knob and turns ON/OFF by pressing the knob.

3 SW1, SW2, SW3 control block

Displays the functions assigned to SW1, SW2 and SW3 buttons. Press the button, turning the button lights on, to turn the function on. Press the button again, turning the button lights off, to turn the function off. You can change the assignments of the switch in "7/7 <SWITCH ASSIGN>" (page 8).

4 DISP SEL/PAGE (display selection/page) switch

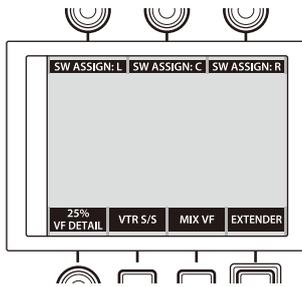
DISP SEL: Changes the display mode of the LCD.

SWITCH INFO: Displays the functions assigned to the switches in full screen.

SDI IN: Displays the video of SDI IN on the center of the screen. The functions assigned to the switches are displayed at the top and bottom of the screen.

OFF: Turns the display off.

PAGE: Changes the page of the assignable switch. The functions of RE1, RE2 and RE3 are changed.



Settable functions with RE1, RE2 and RE3

1/7 <RETURN>

	RE1	RE2	RE3
Function	RET1 SW	RET2 SW	RET3 SW
Action when knob is pressed	RET1 switch ON/OFF	RET2 switch ON/OFF	RET3 switch ON/OFF
Action when knob is turned	RET1 input selection	RET2 input selection	RET3 input selection

2/7 <FOCUS POSITION METER>

	RE1	RE2	RE3
Function	MARKER 1	MARKER 2	MARKER 3
Action when knob is pressed	MARKER 1 ON/OFF	MARKER 2 ON/OFF	MARKER 3 ON/OFF
Action when knob is turned	MARKER 1 color change	MARKER 2 color change	MARKER 3 color change

3/7 <TALLY BRIGHTNESS>

	RE1	RE2	RE3
Function	UP TALLY	UP TALLY NO.	SIDE TALLY
Action when knob is pressed	-	-	-
Action when knob is turned	UP TALLY brightness adjustment	Camera number brightness adjustment	SIDE TALLY brightness adjustment

4/7 <REAR PANEL BRIGHTNESS>

	RE1	RE2	RE3
Function	DISPLAY	REAR TALLY	-
Action when knob is pressed	-	-	-
Action when knob is turned	LCD backlight brightness adjustment	REAR TALLY brightness adjustment	-

5/7 <FILTER LOCAL>

	RE1	RE2	RE3
Function	ND FILTER	CC FILTER	FILTER LOCAL
Action when knob is pressed	-	-	FILTER LOCAL function ON/OFF
Action when knob is turned	ND filter selection when FILTER LOCAL ON	CC filter selection when FILTER LOCAL ON	-

6/7 <VF OUT>

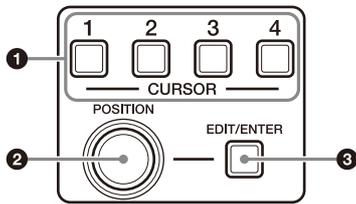
	RE1	RE2	RE3
Function	R	G	B
Action when knob is pressed	VF OUT R channel ON/OFF	VF OUT G channel ON/OFF	VF OUT B channel ON/OFF
Action when knob is turned	-	-	-

7/7 <SWITCH ASSIGN>

	RE1	RE2	RE3
Action when knob is turned	SW1 function selection	SW2 function selection	SW3 function selection

Settings and Operations of the Box Cursors (HDLA-3505)

You can register a box cursor that is displayed on the viewfinder screen using the box cursor controls. Up to four box cursors can be registered.



1 CURSOR (cursor memory) buttons (1 to 4)

Displays the registered box cursor.

2 POSITION (position) knob

Adjusts the top left and bottom right points of the box cursor.

3 EDIT/ENTER (edit/enter) button

Edits and registers the box cursor.

Setting a box cursor

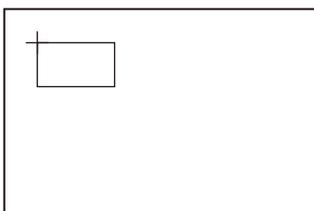
1 Press the EDIT/ENTER button when the EDIT/ENTER button is not lit.

The EDIT/ENTER button lights up, and all the CURSOR buttons (1 to 4) flash.

2 Press one of the CURSOR buttons (1 to 4) in which to register a cursor.

A cross-hair icon appears at the top left of the box cursor to register.

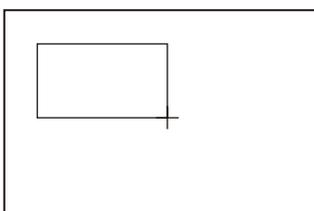
3 Move the cross-hair icon using the POSITION knob to set the top left point of the box cursor.



4 Press the EDIT/ENTER button.

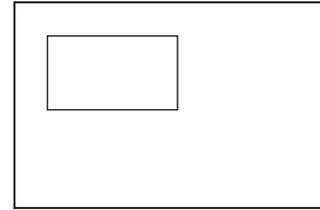
The position of the box cursor is set, and a cross-hair mark appears at the diagonal position.

5 Move the cross-hair mark positioned diagonally using the POSITION knob to set the size of the box cursor.



6 Press the EDIT/ENTER button.

The box cursor is set.



Note

For cameras other than HDC5500 and HDC3500, the marker can be controlled as follows.

POSITION: Adjustment of the box cursor position

(Equivalent to the H-POSI/V-POSI knobs of HDLA1500)

RE1, RE2¹⁾: Adjustment of the box cursor width and height

(Equivalent to the WIDTH/HEIGHT knobs of HDLA1500)

4: Equivalent to the ON button of HDLA1500

EDIT/ENTER: Equivalent to the STORE button of HDLA1500

1) Adjust with the CURSOR menu displayed on the LCD.

Displaying a registered box cursor

Press a CURSOR button to display the registered box cursor. You can display multiple box cursors at the same time.

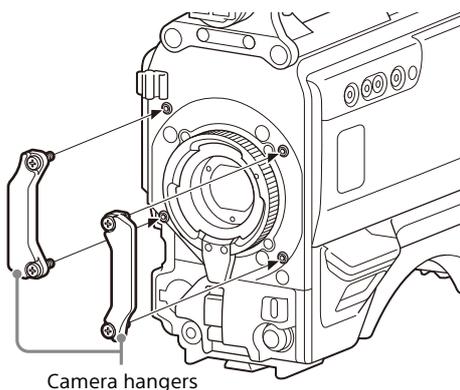
To remove a displayed box cursor, press the corresponding CURSOR button again.

Installation

Preparations with the Camera

Attach the camera hangers (supplied with the adaptor) to the camera.

- 1 Remove the four plastic caps from the front panel of the camera.**
- 2 Attach the camera hangers (supplied, Part No.: A-1128-405- (1 pair)) to the front panel of the camera.** Secure the camera hangers by firmly tightening the screws (supplied with the camera hangers).



Note

Do not use any screws other than those supplied with the camera hangers.

Preparations with the Adaptor

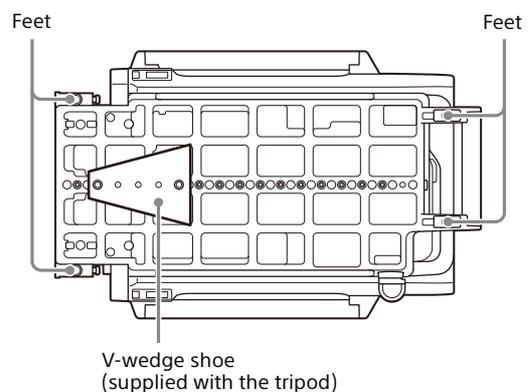
Removing the front cover

Remove the front cover.

Attaching a V-wedge shoe

When using the camera on a tripod, attach the V-wedge shoe (supplied with the tripod) to the adaptor.

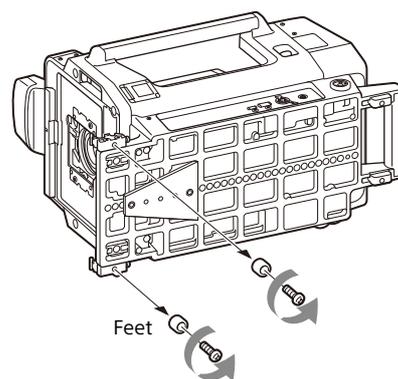
- 1 Place the adaptor on its side on a stable stand so that you have a good view of the bottom.**
- 2 Attach the V-wedge shoe (supplied with the tripod) to the bottom of the adaptor, using the screws (supplied with the tripod).** When attaching the V-wedge shoe, taking the total weight of the adaptor, camera, studio lens and viewfinder into consideration, choose a position where the adaptor will be mounted stably on the tripod.



Note

Some tripods cannot be attached unless the feet are removed from the adaptor. Remove the feet to use such a tripod.

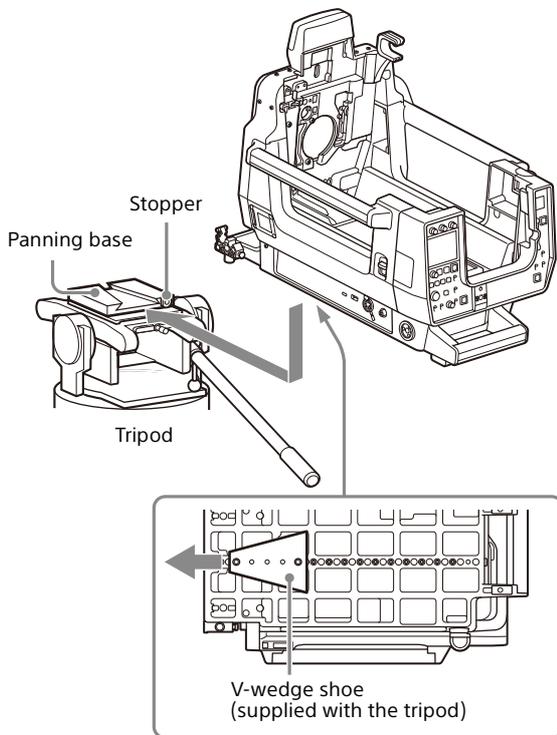
Example: To remove the feet on the lens mount side



Mounting on the Tripod

Align the V-wedge shoe (supplied to the tripod) attached to the bottom of the adaptor with the panning base on the tripod, and mount the adaptor on the tripod.

Use the stopper on the tripod to prevent the V-wedge shoe from coming off.



Note

Some tripods cannot be attached unless the feet are removed from the adaptor. Remove the feet to use such a tripod (page 10).

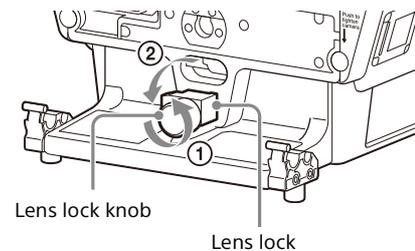
Attaching a Large Studio Lens

Note

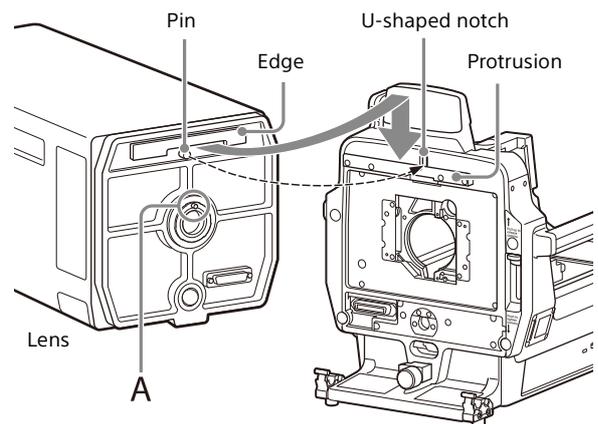
Be sure to check the following two points before attaching the lens:

- The pan-lock and tilt-lock levers on the tripod are fixed.
- If there is a pin at part **A** on the lens shown in the figure for step 2, remove it. If the pin cannot be removed, consult your Sony representative.

- 1 Loosen the lens lock knob and turn the lens lock counterclockwise.



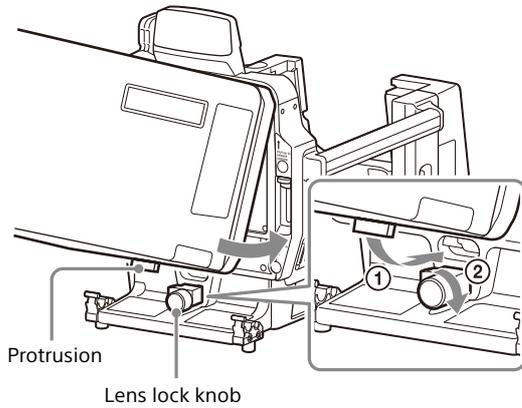
- 2 Align the pin on the rear of the lens with the U-shaped notch on the front panel of the adaptor and hook the edge of the lens onto the protrusion of the adaptor.



Note

If there is a pin at part **A** on the lens, remove it. Otherwise, the focal length adjustment may not be made. If the pin cannot be removed, consult your Sony representative.

- 3 Press the rear face of the lens onto the front face of the adaptor and turn the lens lock knob clockwise.** Make sure that the protrusion on the bottom of the lens fits into the lens lock. If not, turn the lens lock knob counterclockwise to perform this step again.



Mounting the Camera in the Adaptor

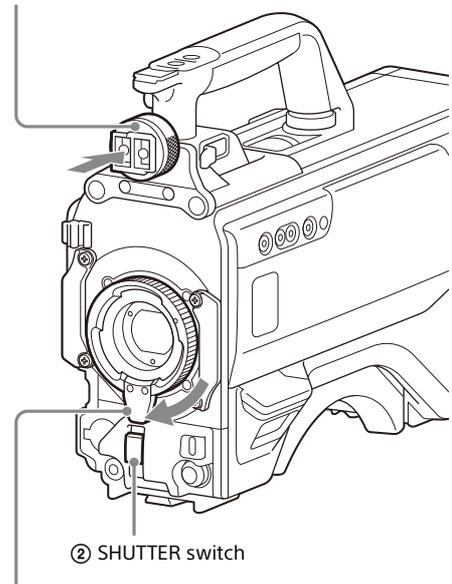
Notes

- Be sure to turn off the camera power before mounting.
- If the camera is mounted with the power on, the protection circuit of the adaptor will be activated. In such a case, unmount the camera from the adaptor, turn off the power, wait for more than 30 seconds, then mount it again.

Before mounting the camera

- ① Remove the lens (lens cap) from the camera and push the lens mount lever fully downward.
- ② Check that the cover of the SHUTTER switch of the camera is closed.
- ③ Fix the viewfinder base of the camera in the position closest to the handle.

③ Viewfinder base



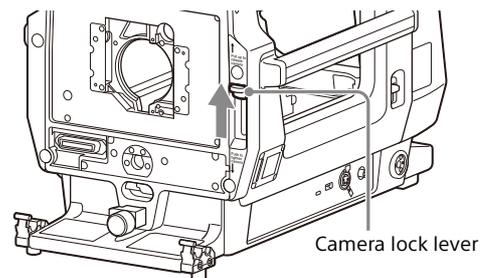
① Lens mount lever

Mounting procedure

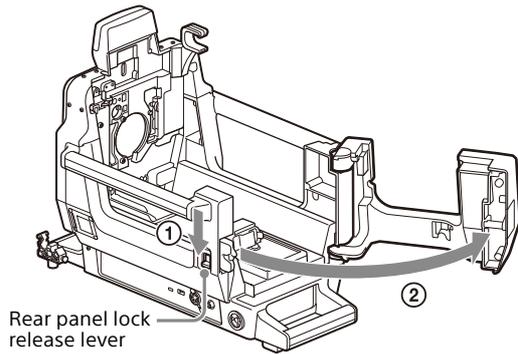
While the figures of the adaptors in the following steps show the states where the large lens is not attached, the camera can also be mounted after attaching the large lens to the adaptor.

HDLA-3505:

- 1 Check that the camera lock lever on the front panel is in its upper position.**



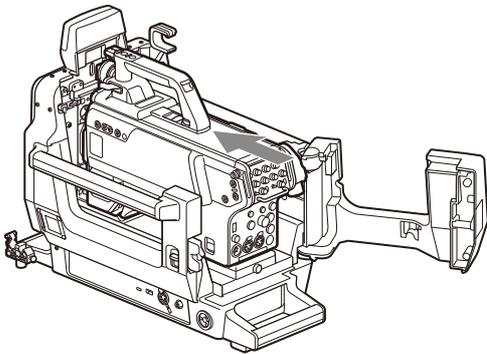
- 2** Push the rear panel lock release lever on the side panel down to open the rear panel.



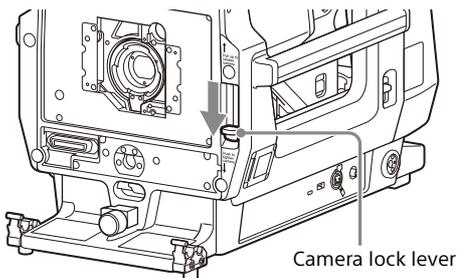
- 3** Remove the viewfinder from the camera (if attached).

- 4** Mount the camera.

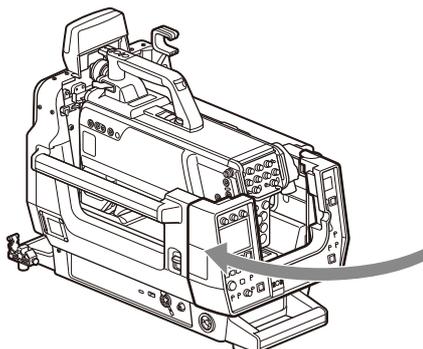
- ① Place the camera from the rear of the adaptor and slide it forward until it locks in place.



- ② Push the camera lock lever on the front panel fully down to secure the camera in place.



- 5** Close the rear panel.

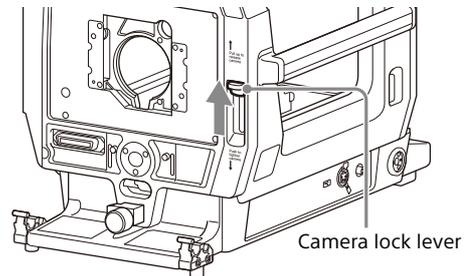


Note

Check that the rear panel is locked firmly.

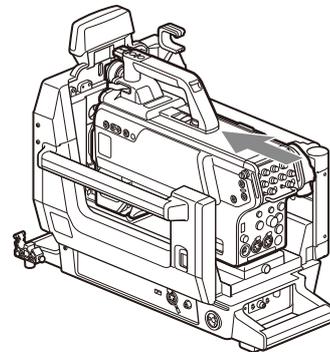
HDLA-3501:

- 1** Check that the camera lock lever on the front panel is in its upper position.

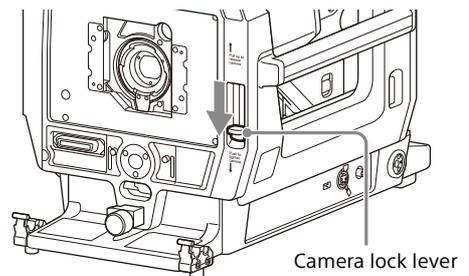


- 2** Mount the camera.

- ① Place the camera from the rear of the adaptor and slide it forward until it locks in place.



- ② Push the camera lock lever on the front panel fully down to secure the camera in place.

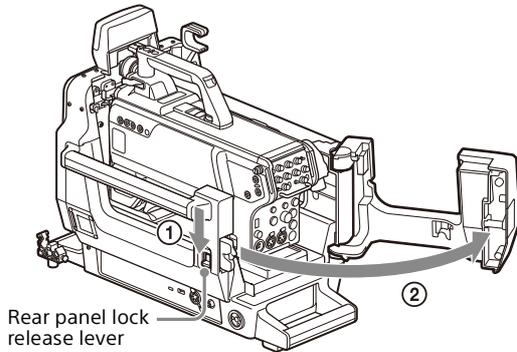


To remove the camera

While the figures of the adaptors in the following steps show the states where the large lens has already been removed, the camera can also be removed with the lens attached to the adaptor.

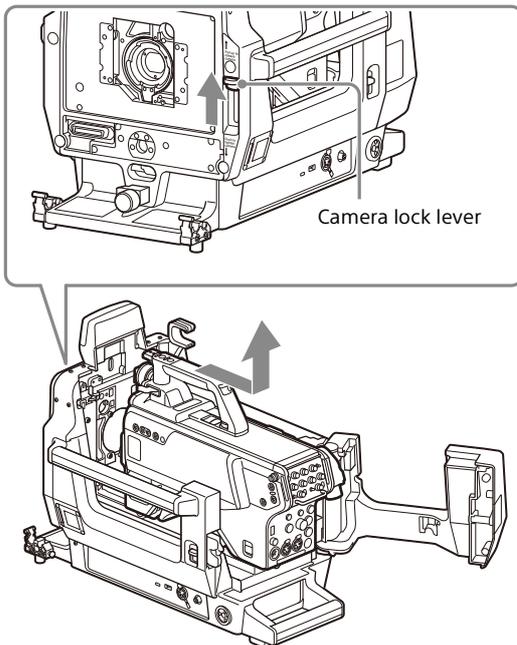
HDLA-3505:

- 1 Push the rear panel lock release lever on the side panel down to open the rear panel.

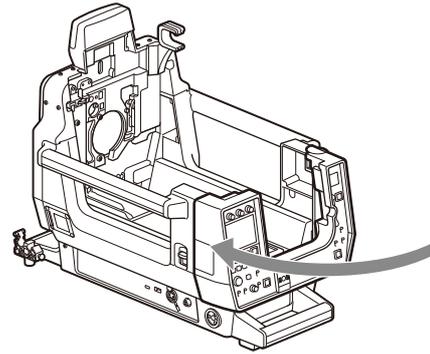


- 2 Remove the camera.

While pulling the camera lock lever on the front panel up, slide the camera rearward until it stops, then remove it.



- 3 Close the rear panel.



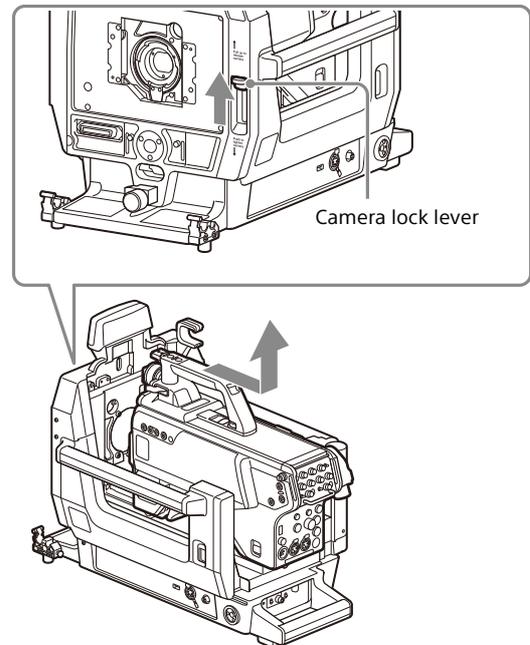
Note

Check that the rear panel is locked firmly.

HDLA-3501:

- 1 Remove the camera.

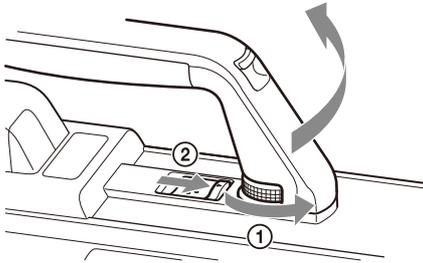
While pulling the camera lock lever on the front panel up, slide the camera rearward until it stops, then remove it.



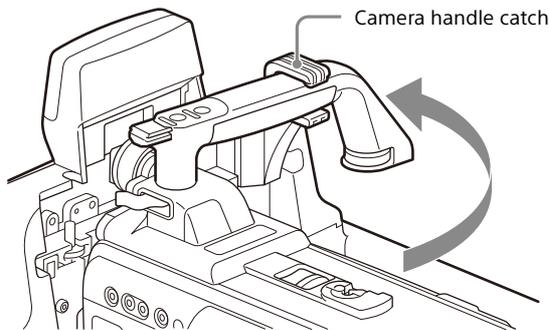
Securing the Camera Handle

When mounting a camera that can rotate its handle on the adaptor, insert the handle firmly into the camera handle catch. By rotating the handle, you can extend the movable range and rotation angle of the viewfinder.

- 1 Loosen the handle rotation lock knob ① of the camera until it turns freely, then push the handle rotation release lever ② to unlock the grip.

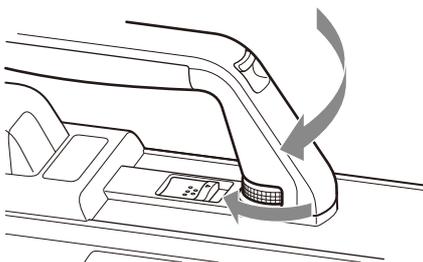


- 2 Rotate the handle toward the front of the camera, and insert it firmly into the camera handle catch of the adaptor.



To stow the handle of the camera in the original position

Return the handle to the lock position, and securely tighten the handle rotation lock knob.



Connecting the Camera Cables (HDLA-3505)

You can connect/disconnect cables to/from the camera mounted in the adaptor without opening the rear panel of the adaptor.

Pass the cables through the opening below the rear panel. For the HDLA-3501, there is no rear panel, so just connect or disconnect the cables.

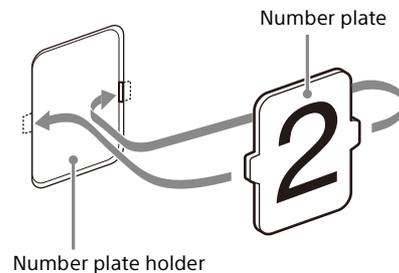
Note

When you connect cables with the rear panel of the adaptor open, make sure that the cables are not caught when you close the rear panel.

Attaching the Number Plates

Attach the number plate for the side panel (supplied) to the number plate holder on the side panels (HDLA-3501).

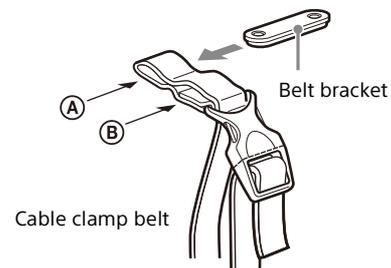
The number plate for the up tally (supplied) can also be attached to the number plate holder on the up tally lamp in the same manner (HDLA-3505/HDLA-3501).



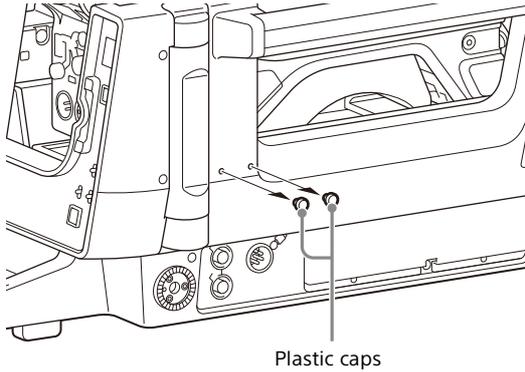
Attaching the Cable Clamp Belt

You can secure the optical/electrical multi cable connected to the camera and the CCU connector to the side panel of the adaptor by attaching the cable clamp belt (supplied).

- 1 Insert the belt bracket into the hole (A) or (B) at the upper end of the cable clamp belt (supplied).

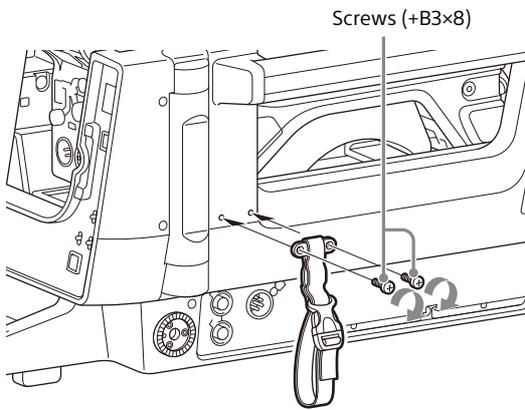


- 2** Remove two plastic caps from the side panel of the adaptor.



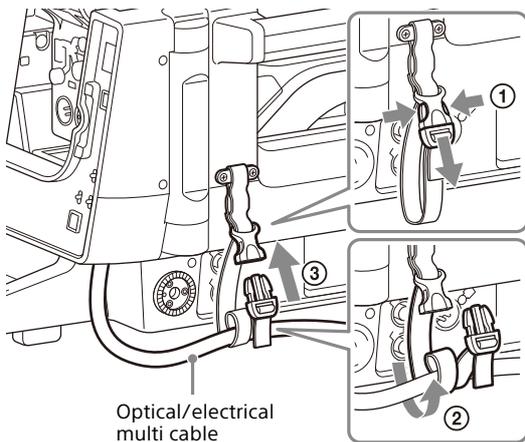
Plastic caps

- 3** Secure the cable clamp belt to the adaptor using the two screws (+B3×8, supplied).



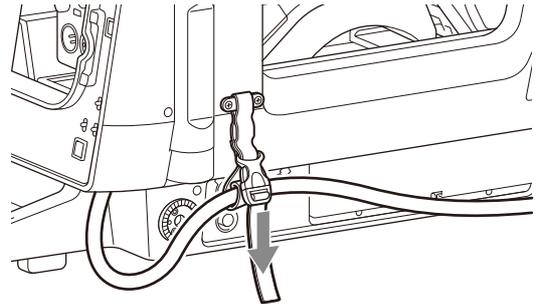
Screws (+B3×8)

- 4** ① Release the buckle, ② wrap the belt around the cable twice, ③ then lock the buckle again.



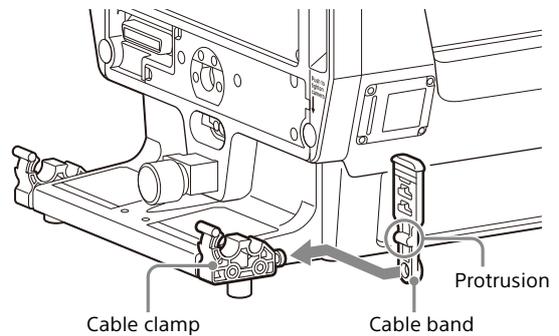
Optical/electrical multi cable

- 5** Adjust the length by pulling down the lower end of the belt.



Attaching the Cable Band

Attach the cable band (supplied) to the cable clamp while paying attention to the direction of the protrusion face.



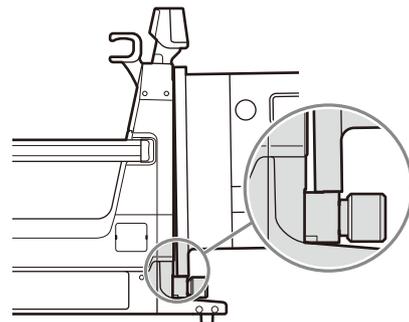
Cable clamp

Cable band

Protrusion

Removing the Plate (HDLA-3501)

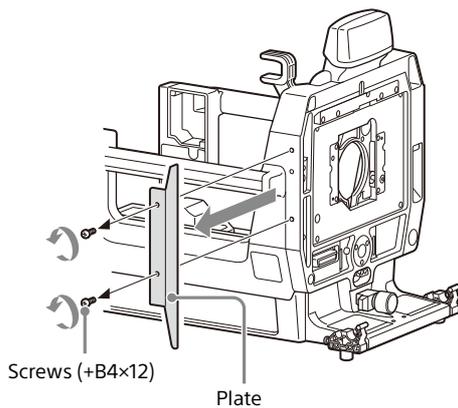
When mounting the lens, remove the plates attached to the front of the lens mount if they interfere with the rear of the lens. A one-sided blur occurs in the image if the plates are being pinched between the lens and the mount.



If the plate is pinched, there is a gap between the mount (front face) and the lens (back face).

To remove the plate

- 1 Remove the two screws (+B4×12) securing the plate and remove the plate.



Appendix

Precautions

Do not subject to severe shocks

Damage to the case or internal components may result.

Operation and storage environment

Store in a level place with air conditioning.

Avoid use or storage in the following places:

- Extremely hot or cold places
- Places with high humidity
- Places with strong vibration
- Near strong magnetic fields
- In places where it receives much direct sunlight, or near heating equipment

Condensation

If the unit is suddenly taken from a cold to a warm location, or if ambient temperature suddenly rises, moisture may form on the outer surface of the unit and/or inside of the unit. This is known as condensation. If condensation occurs, turn off the unit and wait until the condensation clears before operating the unit. Operating the unit while condensation is present may damage the unit.

To prevent electromagnetic interference from portable communications devices

The use of portable telephones and other communications devices near this unit can result in malfunctions and interference with audio and video signals.

It is recommended that the portable communications devices near this unit be powered off.

LCD panel (HDLA-3505)

The LCD panel fitted to this unit is manufactured with high precision technology, giving a functioning pixel ratio of at least 99.99%. Thus a very small proportion of pixels may be "stuck", either always off (black), always on (red, green, or blue), or flashing. In addition, over a long period of use, because of the physical characteristics of the liquid crystal display, such "stuck" pixels may appear spontaneously. These problems are not a malfunction.

Components with limited service life

- The fan is a consumable part that will need periodic replacement.
When operating at room temperature, a normal replacement cycle will be about 5 years.
However, this replacement cycle represents only a general guideline and does not imply that the life expectancy of this part is guaranteed. For details on parts replacement, contact your dealer.
- The life expectancy of the electrolytic capacitor is about 5 years under normal operating temperatures and normal usage (8 hours per day; 25 days per month).
If usage exceeds the above normal usage frequency, the life expectancy may be reduced correspondingly.

Specifications

General

Power requirements

AC 240 V, 0.9 A (max.)
 DC 240 V, 0.65 A (max.)
 DC 180 V, 0.85 A (max.)
 DC 12 V, 9.5 A (max.)

Operating temperature

-20 °C to +45 °C (-4 °F to +113 °F)

Storage temperature

-20 °C to +60 °C (-4 °F to +140 °F)

Dimensions

See page 18.

Mass

HDLA-3505:
 Approx. 15.5 kg (34 lb 3 oz)
 HDLA-3501:
 Approx. 12.7 kg (28 lb)

Input/output connectors

HDLA-3505:

LENS (36-pin)¹⁾ (1)
 DC OUT¹⁾
 Round 4-pin (1) DC 10.5 V to 17 V, max. 1.5 A
 XLR 4-pin (1) DC 10.5 V to 17 V, max. 5 A
 USB Type-A (1) DC 5.0 V, max. 2.5 A
 USB Type-C (1) USB PD, max. 30 W
 DC IN (XLR 4-pin) (1) DC 10.5 V to 17 V
 HD SDI IN (1) BNC type
 HD SDI OUT (1) BNC type

HDLA-3501:

LENS (36-pin)¹⁾ (1)
 DC OUT¹⁾
 Round 4-pin (1) DC 10.5 V to 17 V, max. 1.5 A
 XLR 4-pin (1) DC 10.5 V to 17 V, max. 5 A
 USB Type-A (1) DC 5.0 V, max. 2.5 A
 DC IN (XLR 4-pin) (1) DC 10.5 V to 17 V

1) The power supply from this adaptor is up to 108 W in total.
 It may be limited depending on the load and input conditions.

Supplied accessories

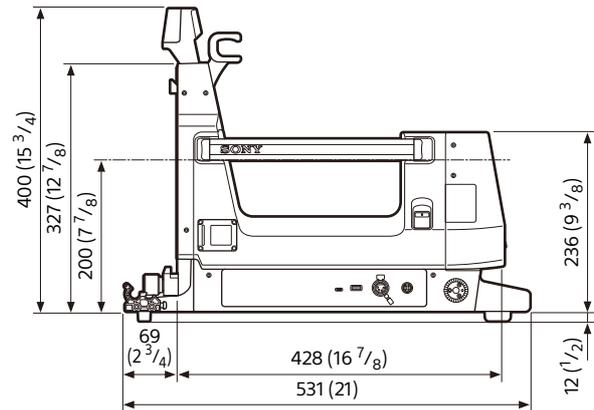
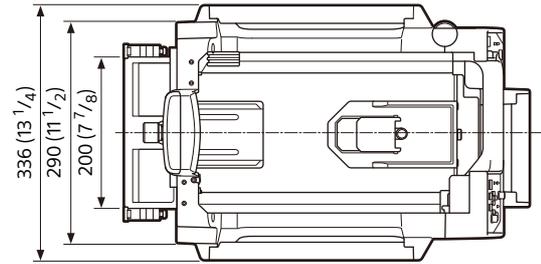
Before Using This Unit (1)
 Operating Instructions (CD-ROM) (1)
 Camera hangers (1 set)
 Front cover (1)
 Cable band (2)
 Cable clamp belt (1 set)
 Screws (+B3×8) for cable clamp belt (2)
 Number plates for up tally lamp (1 set)
 Number plates for side panel (2 sets) (HDLA-3501)

Optional accessories

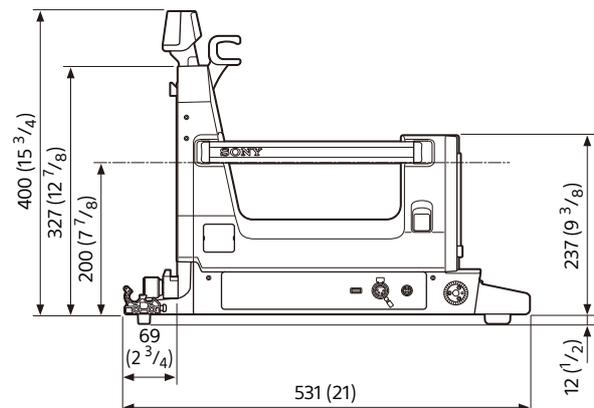
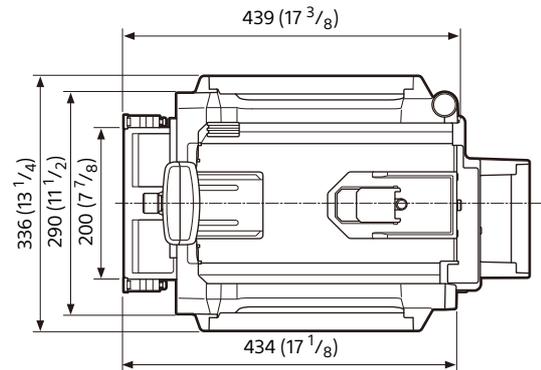
BKP-7911 Script Holder
 CAC-12 Microphone Holder

Dimensions (Unit: mm (inches))

HDLA-3505:



HDLA-3501:



Design and specifications are subject to change without notice.

Notes

- Always verify that the unit is operating properly before use. SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS DUE TO FAILURE OF THIS UNIT, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY, OR FOR ANY OTHER REASON WHATSOEVER.
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