

HD Camera Adaptor

The supplied CD-ROM includes the Operating Instructions for the CA-TX70 HD Camera Adaptor in PDF format.
For more details, see *"Using the CD-ROM Manual" on page 7.*

Operating Instructions

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

CA-TX70

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

IMPORTANT

The nameplate is located on the bottom.

For the customers in the U.S.A.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

All interface cables used to connect peripherals must be shielded in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

For the customers in Canada

This Class A digital apparatus complies with Canadian ICES-003.

For the customers in Europe

This product with the CE marking complies with the EMC Directive issued by the Commission of the European Community.

Compliance with this directive implies conformity to the following European standards:

- EN55103-1: Electromagnetic Interference (Emission)
- EN55103-2: Electromagnetic Susceptibility (Immunity)

This product is intended for use in the following Electromagnetic Environments: E1 (residential), E2 (commercial and light industrial), E3 (urban outdoors), E4 (controlled EMC environment, ex. TV studio).

For the customers in Europe

This product has been manufactured by or on behalf of Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. Inquiries related to product compliance based on European Union legislation shall be addressed to the authorized representative, Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters, please refer to the addresses provided in the separate service or guarantee documents.

AVERTISSEMENT

Afin de réduire les risques d'incendie ou d'électrocution, ne pas exposer cet appareil à la pluie ou à l'humidité.

Afin d'écartier tout risque d'électrocution, garder le coffret fermé. Ne confier l'entretien de l'appareil qu'à un personnel qualifié.

IMPORTANT

La plaque signalétique se situe sous l'appareil.

Pour les clients au Canada

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Pour les clients en Europe

Ce produit portant la marque CE est conforme à la Directive sur la compatibilité électromagnétique (EMC) émise par la Commission de la Communauté européenne.

La conformité à cette directive implique la conformité aux normes européennes suivantes :

- EN55103-1 : Interférences électromagnétiques (émission)
- EN55103-2 : Sensibilité électromagnétique (immunité)

Ce produit est prévu pour être utilisé dans les environnements électromagnétiques suivants : E1 (résidentiel), E2 (commercial et industrie légère), E3 (urbain extérieur) et E4 (environnement EMC contrôlé, ex. studio de télévision).

Pour les clients en Europe

Ce produit a été fabriqué par ou pour le compte de Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japon. Toutes les questions relatives à la conformité des produits basées sur la législation européenne doivent être adressées à son représentant, Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Allemagne. Pour toute question relative au Service Après-Vente ou à la Garantie, merci de bien vouloir vous référer aux coordonnées qui vous sont communiquées dans les documents « Service » (SAV) » ou Garantie.

WARNUNG

Um die Gefahr von Bränden oder elektrischen Schlägen zu verringern, darf dieses Gerät nicht Regen oder Feuchtigkeit ausgesetzt werden.

Um einen elektrischen Schlag zu vermeiden, darf das Gehäuse nicht geöffnet werden.

Überlassen Sie

Wartungsarbeiten stets nur qualifiziertem Fachpersonal.

WICHTIG

Das Namensschild befindet sich auf der Unterseite des Gerätes.

Für Kunden in Europa

Dieses Produkt besitzt die CE-Kennzeichnung und erfüllt die EMV-Richtlinie der EG-Kommission.

Angewandte Normen:

- EN55103-1: Elektromagnetische Verträglichkeit (Störaussendung)
- EN55103-2: Elektromagnetische Verträglichkeit (Störfestigkeit)

Für die folgenden elektromagnetischen Umgebungen: E1 (Wohnbereich), E2 (kommerzieller und in beschränktem Maße industrieller Bereich), E3 (Stadtbereich im Freien) und E4 (kontrollierter EMV-Bereich, z.B. Fernsehstudio).

Für Kunden in Europa

Dieses Produkt wurde von oder für Sony Corporation, 1-7-1 Konan Minato-ku Tokio, 108-0075 Japan hergestellt. Bei Fragen zur Produktkonformität auf Grundlage der Gesetzgebung der Europäischen Union kontaktieren Sie bitte den Bevollmächtigten Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Deutschland. Für Kundendienst oder Garantieangelegenheiten wenden Sie sich bitte an die in den Kundendienst- oder Garantiedokumenten genannten Adressen.

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Overview

The CA-TX70 HD Camera Adaptor is a camera adaptor that allows for long distance transmission of input and output signals via a triax cable, and power supply to the connected camera or camcorder. Combined with the HXCU-100 HD Camera Control Unit (CCU), the adaptor allows you live broadcast operation.

Can be installed on the following camera/camcorder

- HXC-D70 series
 - PMW-500 series ¹⁾
 - PMW-350 series ²⁾
 - PMW-320 series ²⁾
- 1) An optional CBK-HD02 SDI/COMPOSITE Input and 50 Pin Interface is required.
 - 2) An optional CBK-CE01 50 Pin Interface and Digital Extender is required.

Features

Cable-free connection to camera/camcorder

The adaptor can be installed on the attachment shoe of a camera/camcorder, allowing for connection of input and output signals or power supplies via the 50 pin interface and BATT interface. As no cables are necessary for attachment, the adaptor offers a solution for solid camera-system configuration.

Digital triax transmission

The CCU and camera are connected using the industry-standard double-shielded triaxial camera cable (commonly referred to as triax). The latest Sony-developed digital transmission technology, which is incorporated in the adaptor and CCU, transmits high-resolution pictures between the adaptor and CCU, regardless of the cable length.

Support for live camera system operation

The adaptor is equipped with the following features and input/output connectors to allow for live broadcasting, not only with the HXC-D70 but with standalone camcorders.

- Intercom feature (2 switchable lines; engineer or producer line)
- Tally lamp (red and green)
- Call feature
- Return signal feature (up to selectable 4 lines)
- Prompter output

Using the CD-ROM Manual

The manual can be read on a computer with Adobe Reader installed. You can download Adobe Reader free from the Adobe website.

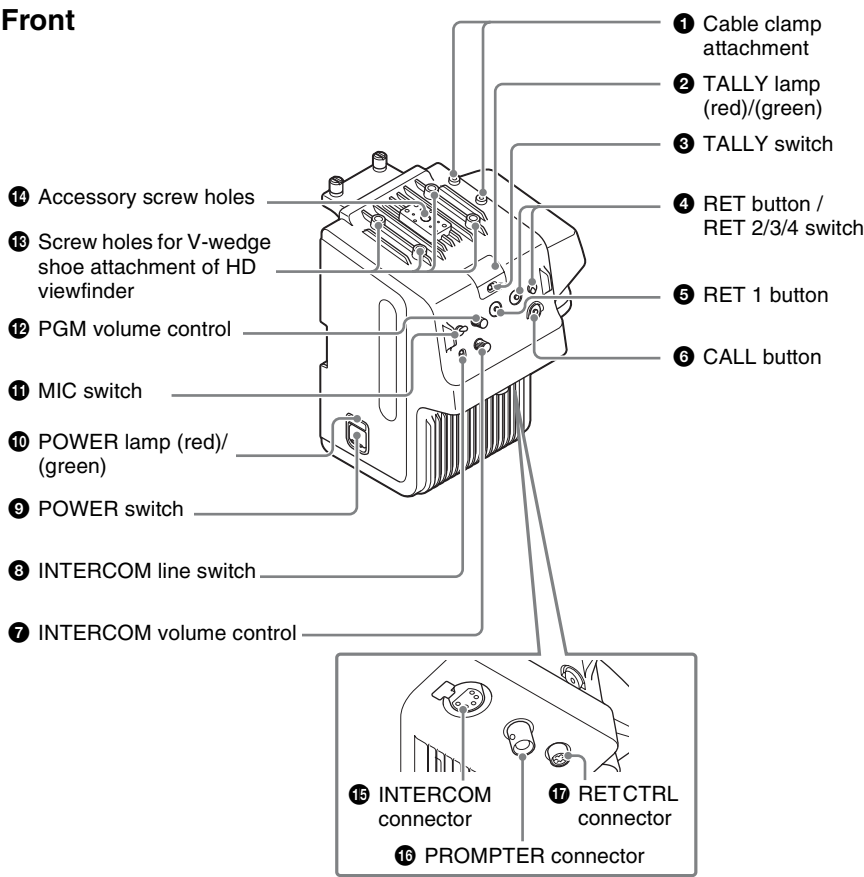
- 1** Open the index.html file in the CD-ROM.
- 2** Select and click on the manual that you want to read.

Note

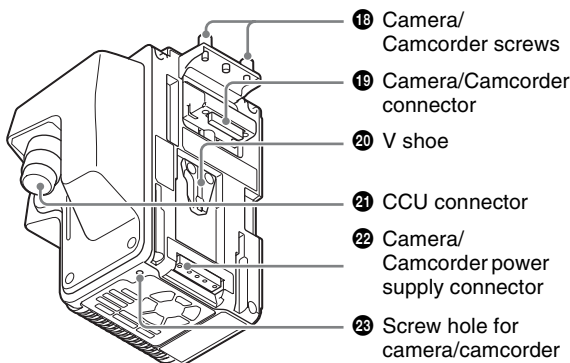
If you have lost or damaged the CD-ROM, you can purchase a new one from your Sony dealer or Sony service counter.

Names and Functions of Parts

Front



Rear



❶ Cable clamp attachment

Attaches the supplied cable clamp belt.

❷ TALLY lamp (red)/(green)

When the TALLY switch is set to ON, the TALLY lamp lights to indicate that a tally signal is input to the connected camera control unit or a call signal is generated by pressing the CALL button. When the TALLY switch is set to OFF, the lamp does not light.

❸ TALLY switch

Set to ON when you use the TALLY lamp.

❹ RET button / RET 2/3/4 switch

When using return video 1 and other line simultaneously, the return video signal selected with the RET 2/3/4 switch is displayed on the viewfinder screen while the RET button is pressed.

❺ RET 1 button

The return video 1 signal from the camera control unit is monitored on the viewfinder screen while this button is pressed.

Notes

- If you press both the RET 1 button and RET button (RET 2/3/4), the RET 1 button takes priority.
- When the adaptor is connected to the PMW-500/350/320 Solid-State Memory Camcorder, if you change the return video signal, the previously selected return signal may be displayed for a moment in the viewfinder.
- When the adaptor is connected to the PMW-500/350/320 Solid-State Memory Camcorder, if you press the RET button to switch the displayed picture, the picture in the viewfinder may be distorted for a moment. This is not a malfunction.

❻ CALL button

When this button is pressed, the red CALL lamp on the front panel of a CCU or external controlling device (RCP/RM, etc.) will light.

7 INTERCOM volume control

Adjusts the volume level of the headset connected to the INTERCOM connector.

8 INTERCOM line switch

Selects the talk line.

PROD: To talk over the producer line.

ENG: To talk over the engineer line.

Note

When the adaptor is connected to the HXC-D70 HD Color Camera, the intercom of HXC-D70 becomes available. In this case, you can select the intercom line (PROD/ENG) of HXC-D70 by the INTERCOM line switch of the adaptor.

9 POWER switch

Set to ON to turn on the adaptor and set to STBY to turn it off. When the adaptor is set to STBY, power will not be supplied to the connected camera/camcorder.

10 POWER lamp (red)/(green)

When the adaptor is turned on, the POWER lamp lights in green. If the POWER switch is set to STBY when the CCU is turned on, the POWER lamp lights in red.

11 MIC (intercom mic) switch

Turns on or off output of intercom audio signals. Set to ON when you talk to a CCU or external system.

12 PGM (program) volume control

Adjusts the audio listening level of program 1.

13 Screw holes for V-wedge shoe attachment of HD viewfinder

These are V-wedge shoe attachment for HD viewfinder screw holes (4) for M4 screws to secure an HD monitor.

14 Accessory screw holes

These comprise of a U1/4"-20 screw hole to secure an accessory, four screw holes to secure the supplied accessory fitting shoe (for the DXF-C50WA Electronic Viewfinder), and four screw holes to secure the optional cold shoe kit (X-2546-633-).

15 INTERCOM connector (XLR 5-pin)

Used for input and output of intercom audio signals if an XLR 5-pin headset is connected.

For information on pin assignment, see "INTERCOM" in "Pin assignment" on page 23.

16 PROMPTER connector (BNC)

For output of the VBS prompter signal when a CCU is connected.

17 RET CTRL (return control) connector (6-pin)

Connects the CAC-6 Return Video Selector.

For information on pin assignment, see "RET CTRL" in "Pin assignment" on page 23.

Pin No.1 (INCOM MIC-ON/OFF) turns on or off the microphone of intercom headset that is connected to the adaptor.

When the adaptor is connected to the HXC-D70, you cannot control the intercom headset that is connected to the HXC-D70.

18 Camera/Camcorder screws

Screws to secure the adaptor to the camera/camcorder.

**19 Camera/Camcorder connector
(50-pin)**

Connect to the adaptor connector of the camera or the camera adaptor connector of the camcorder (requires installation of an optional interface) to send and receive video and audio signals.

20 V shoe

This is a V shoe for attachment of this adaptor to a camera/camcorder.

21 CCU connector (triax connector)

Connects the adaptor and HXCU-100 HD Camera Control Unit using a triax cable.

**22 Camera/Camcorder power
supply connector**

Supplies power to the camera/camcorder.

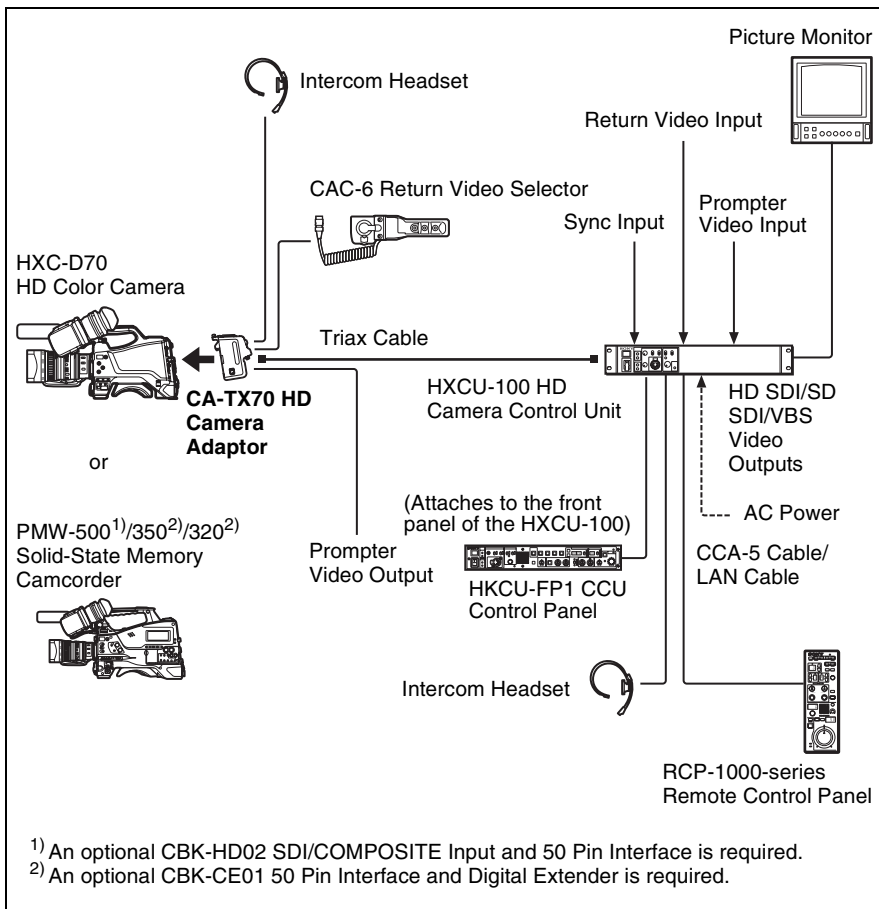
**23 Screw hole for camera/
camcorder**

A screw hole to fix the camera or camcorder. Use the screws for CA bracket.

System Configuration

Examples of devices and parts that may be used with the CA-TX70 are shown below.

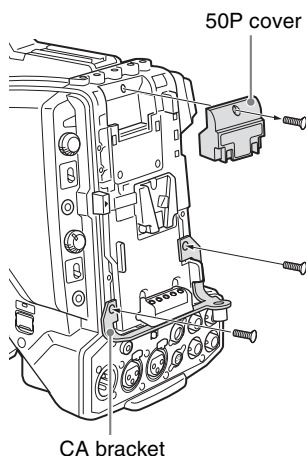
For details on usage of the adaptor when connected to the HXCU-100 HD Camera Control Unit, refer to the operation instructions of the HXCU-100.



Preparation and Setting

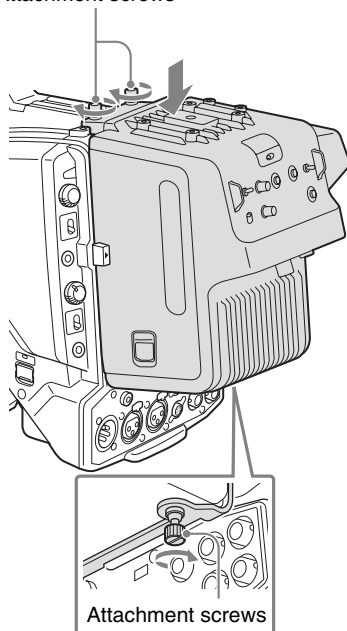
Attaching the Adaptor to a Camera/Camcorder

- 1 Loosen the screws on the 50P cover of the camera or camcorder, then remove it.
- 2 Fix the supplied CA bracket on the battery attachment shoe of the camera or camcorder using the two screws (+K2.6x5).



- 3 Slide down the adaptor from the upper side of the battery attachment shoe of the camera/camcorder.
- 4 Tighten the attachment screws at the top (2) and lower part (1) of the adaptor.

Attachment screws



Note

Tighten the screws securely so that the unit will not fall off.

To remove

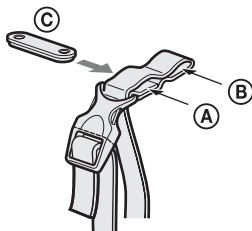
Perform the installation procedure in reverse, loosening the screws that were tightened then.

Connecting a Camera Control Unit (CCU)

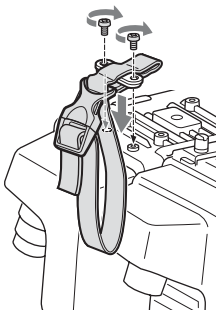
When operating the camera in a system with a CCU, connect between the CCU connector of the adaptor and the CAMERA connector of the CCU. When required, secure the cable to the adaptor, using the supplied cable clamp belt.

To use the cable clamp belt

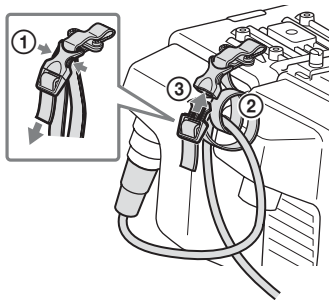
- 1 Insert the belt bracket © into hole (A) or (B) of the cable clamp belt.



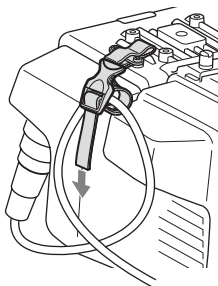
- 2 Secure the belt to the Cable clamp attachment using the two supplied screws (+B3x8).



- 3 ① Release the buckle, ② bundle the cable with the belt, ③ then lock the buckle again.



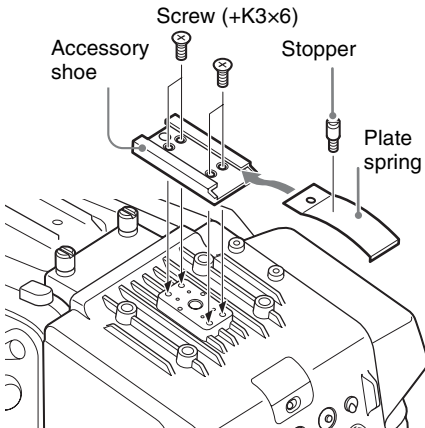
- 4 Adjust the length by pulling down the end of the belt.



Attaching the Accessory Shoe Kit

When you attach the DXF-51 or DXF-C50WA Electronic Viewfinder, screw the supplied accessory shoe kit to the accessory shoe holes of the adaptor (four holes), then attach the viewfinder to the accessory shoe.

To attach the accessory shoe



- 1** Attach the accessory shoe using the four screws supplied with the shoe kit (+K3×6).
- 2** Slide the plate spring in the direction shown by the arrow and secure the spring using the stopper.

Outputting Trunk Signal

When connected to the HXC-D70 HD Color Camera

You can communicate with an external device that is connected to the TRUNK connector (RS-232C) or REMOTE connector of the HXC-D70, and an external device that is connected to the TRUNK connector of the CCU.

To output trunk signal from the HXC-D70

Configure the following menu (MAINTENANCE menu M14: <TRUNK>) of the HXC-D70.

Configure IF (interface) according to the connected device.

Menu page	Item	Setting	Description
<TRUNK>	TRUNK	OFF	Disable the trunk signal output
		ON*	Enable the trunk signal output
	IF	232c*	Outputs from the TRUNK connector via RS-232C I/F
		422a	Outputs from the REMOTE connector via RS-422A I/F

* default setting.

Using an Intercom

You can talk to the CCU operator by attaching an intercom headset to the INTERCOM connector of the adaptor.

When connected to the HXC-D70 HD Color Camera

The INTERCOM connector of the HXC-D70 is also available for communication with the CCU operator. The talk line of the HXC-D70 can be controlled by the INTERCOM line switch of the adaptor.

- Configure the settings of the connected intercom headset in the OPERATION menu of the HXC-D70.
13 <HEAD SET>: Settings for input of the headset's microphone
14 <INTERCOM LEVEL>: Settings for the SIDE TONE level of the headset
The displayed items in the above menu are as follows:
INTERCOM1 (CAM): Intercom settings of the HXC-D70
INTERCOM2 (CA): Intercom settings of the adaptor
For details of the setting items, refer to the operating instructions of the HXC-D70.
When you do not use the INTERCOM connector of the HXC-D70, set the INTERCOM ON/OFF switch of the HXC-D70 to OFF.
- The adaptor can control one PGM (program audio) system.
An audio signal that is input to the PGM1 of CCU is transmitted.

Note

When the PMW-500/350/320 Solid-State Memory Camcorder is connected, the microphone input settings for the intercom headset will be fixed at the following (factory default) values:

Dynamic / -60dB / Unbalanced

For information on connection to an intercom system and configuration of the settings, contact your Sony dealer.

Starting the System

- 1 Attach the adaptor to the camera/camcorder, then connect the adaptor to the CCU using a triax cable.
- 2 Set the POWER switch of the adaptor and camera/camcorder to ON, then set the POWER switch of the CCU to ON. Power will be supplied to the adaptor from the CCU and the adaptor turns on. The adaptor then supplies power to the camera/camcorder, which turns on.

While the system is starting up, the POWER lamp (green) blinks at 0.5 Hz. When the communication for certification between the adaptor and camera/camcorder completes, the POWER lamp (green) lights.

Note

When the POWER switch of the connected camera/camcorder is set to OFF, or when the camera/camcorder does not start normally, the POWER lamp (green) keeps blinking at 0.5 Hz.

Setting the System Format

To record/output with the system, it is necessary to set the video format for the camera/camcorder, adaptor and CCU.

The adaptor supports the following video formats.

- 1920×1080/59.94i
- 1280×720/59.94P
- 1920×1080/50i
- 1280×720/50P

The video format setting of the adaptor is synchronized with that of the CCU.

① When connected to the HXC-D70 HD Color Camera

Both the video format setting of the adaptor and HXC-D70 are synchronized with that of the CCU (HXC-U-100).

② When connected to the PMW-500/350/320 Solid-State Memory Camcorder

As PMW-500/350/320 supports video formats that the adaptor and CCU do not, the video format setting of the camcorder is not synchronized with those of the CCU. Set the video format of the camcorder according to the video format setting of the CCU.

The video format can be confirmed in the viewfinder.

If video formats (recording format or system frequency) are inconsistent between the adaptor and camcorder, the POWER lamp (green) of the adaptor blinks at 2 Hz. For details, see “Error Messages” on page 19.

Note

As the adaptor supports bidirectional transmission of HD digital signals, the adaptor will not operate properly if the camcorder is in the SD mode. Also, when an unsupported video format for the adaptor and CCU is selected or the SDI OUTPUT setting is set to SD in the camcorder, the adaptor will not operate. For information on the mode setting of the camcorder, refer to the operating instructions of the camcorder.

Error Messages

When an error is detected, an error message shown in the below table appears. Since the adaptor does not have a display, the message is displayed in the menu of the CCU or the remote control panel. The adaptor also alarms it by blinking the POWER lamp (green).

POWER lamp (Green)	Display in the remote control panel	Display in the CCU	Indication
Blinks (2 Hz)	-	-	The video formats (recording format or system frequency) are inconsistent between the adaptor/CCU and the camera/camcorder
Blinks (2 Hz)	CHU: PS (CA) Care (Temperature)	CAM: PS (CA) CARE	Internal temperature is high
Blinks (4 Hz)	CHU: PS (CA) Warning (Temperature)	CAM: PS (CA) WARNING	Internal temperature is abnormally high
Blinks (4 Hz)	CHU: PS (CA) Warning (Fan)	CAM: PS (CA) WARNING	The internal fan does not rotate

Important Notes on Operation

Use and storage locations

Store in a level, ventilated place. Avoid using or storing the adaptor in the following places.

- In excessive heat or cold. Operating temperature range is -10°C to +45°C (14°F to 113°F). When connected to the camcorder, the operating temperature range is 0°C to 40°C (32°F to 104°F).
- Remember that in summer in warm climates the temperature inside a car with the windows closed can easily exceed 50°C (122°F).
- In damp or dusty locations
- Locations where the adaptor may be exposed to rain
- Locations subject to violent vibration
- Near strong magnetic fields
- Close to radio or TV transmitters producing strong electromagnetic fields.
- In direct sunlight or close to heaters for extended periods

Do not subject to strong shocks

Do not drop the adaptor or subject it to strong shocks. The adaptor may be damaged.

Do not wrap in a cloth or other covering during operation

Internal temperatures may rise, causing malfunctions.

Maintenance

Clean the cabinet and panels by wiping lightly with a soft, dry cloth. If they are very dirty, use a cloth dampened with a small amount of neutral detergent, then wipe dry. Avoid the use of volatile

solvents such as thinners, alcohol, benzene, and insecticides. They may damage the surface finish or cause it to peel off.

When connecting to the HXC-D70 HD Color Camera

When you attach the adaptor to the HXC-D70 HD Color Camera, the following signals are cannot be selected.

Page title	Page No.	Item	Signal
<TEST OUT>	M10	OUTPUT	VBS
<SDI OUT>	M11	OUTPUT	SD-SDI

After the adaptor is connected, the settings of HXC-D70 shown in the below table, cannot be changed.

Page title	Page No.	Item
<POWER SAVE>	M13	SDI OUT

When connecting to the PMW-500/350/320 Solid-State Memory Camcorder

- The skin detail gate is not superimposed on the CCU's output signal to a monitor.
- The time code and REC trigger signal are not superimposed on the CCU's SDI output.
- The TRUNK function is not supported.

When you perform the following operations, the picture may be distorted or the display of the remote control may turn off for a moment. This is not a malfunction.

- Performing ABB
- Turning on or off the Slow Shutter function

When switching the return video signal, the previously selected return signal may be displayed for a moment, or the picture may be distorted when the display switches. This is not a malfunction.

About Digital Triax Transmission

Digital triax transmission between cameras and CCU is protected by powerful error detection and correction. However, error may occur from extraneous noise during long distance transmission. In this case, image may be interpolated using the previous displayed image.

The following transmission delays may occur during digital triax transmission.

- Between the camera and CCU, a transmission delay of about 9 msec to 12 msec.
- When the main program's image is sent from the CCU to cameras as return signal, a 1-frame delay occurs in the viewfinder.
- For the prompter image, a 5-frames delay can occur in the normal mode. (In the CCU, you can select the normal mode or low latency mode with low resolution images.)
- The MIC 1 and MIC 2 sound signals from the CCU are synchronized with the video signal delay.
- It takes time to stabilize video signal transmission between the camera and CCU after the system is turned on. This is not a malfunction.

About Triax Transmission Distance

The longest and shortest transmission distance for triax connection is shown in the following table. However, transmission distance can vary depending on conditions such as cable degradation, etc.

Possible transmission range when using a triax cable with an attenuation characteristic of 3.8 dB to 45.6 dB at 100 MHz (including loss of connector part)

Cable type (example)	Longest distance	Shortest distance
Fujikura ϕ 8.5 mm	600 m (1,970 ft)	50 m (160 ft)
Fujikura ϕ 14.5 mm	1,200 m (3,940 ft)	100 m (330 ft)
Belden ϕ 13.2 mm 9232	850 m (2,790 ft)	75 m (250 ft)

Specifications

General

Power requirements

DC 180 V, 0.52 A (max.)

Operating temperature

-10°C to +45°C (14°F to 113°F)

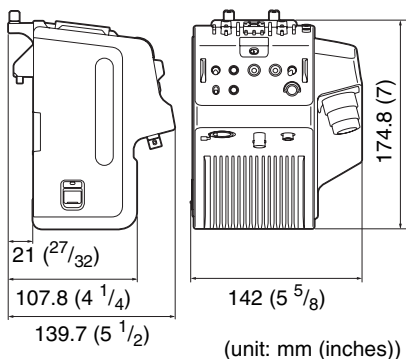
Operating humidity

20% to 90%

Storage temperature

-20°C to +60°C (-4°F to
+140°F)

Dimensions



Mass Approx. 1.65 kg (3 lb 10 oz)

Connectors

Camera/Camcorder input/output connectors

Camera/Camcorder connector
50-pin, female

Output connectors

PROMPTER
BNC type, 75 Ω

Other connectors

CCU Triax connector
INTERCOM
XLR 5-pin, female

Supplied Accessories

Operating Instructions

English (1)

CD-ROM (1)

Warranty booklet (1)

Cable clamp belt (1 set)

CA bracket (1)

Screws for CA bracket (2)

Accessory shoe kit (1)

Other peripheral devices

HXC-D70 HD Color Camera

PMW-500/350/320 Solid-State Memory
Camcorder

HXCU-100 HD Camera Control Unit

HKCU-FP1 CCU Control Panel

CAC-6 Return Video Selector

DXF-51/C50WA Electronic Viewfinder

CBK-VF01 HD Electronic Viewfinder

HDVF-C550W HD Electronic
Viewfinder

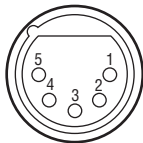
Design and specifications are subject to
change without notice.

Note

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.

Pin assignment

INTERCOM

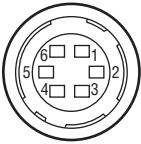


No.	Signal	IN/ OUT	Specifications
1	Intercom MIC (Y)/ (GND) ¹⁾	IN	CARBON (−20 dBu, Unbalance) DYNAMIC (−60 dBu, Balance/ Unbalance) MANUAL
2	Intercom MIC (X)	IN	
3	GND	—	GND
4	Intercom Left	OUT	8 dBu (VR Max. 250 Ω Load)
5	Intercom Right	OUT	8 dBu (VR Max. 250 Ω Load)

(0 dBu=0.775 Vrms)

1) While set to UNBALANCE

RET CTRL



No.	Signal	IN/ OUT	Specifications
1	INCOM MIC-ON/ OFF	IN	$Z_i \geq 10\text{ k}\Omega$, ON: GND, OFF: OPEN
2	NC		No connection
3	GND	-	
4	RET 3-ON/ OFF	IN	$Z_i \geq 10\text{ k}\Omega$, ON: GND, OFF: OPEN
5	RET 1-ON/ OFF	IN	$Z_i \geq 10\text{ k}\Omega$, ON: GND, OFF: OPEN
6	RET 2-ON/ OFF	IN	$Z_i \geq 10\text{ k}\Omega$, ON: GND, OFF: OPEN

For Customer in China

根据中华人民共和国信息产业部第39号令《电子信息产品污染控制管理办法》及标准中要求的“有毒有害物质或元素名称及含量”等信息，本产品相关信息请参考以下链接：

<http://pro.sony.com.cn>



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