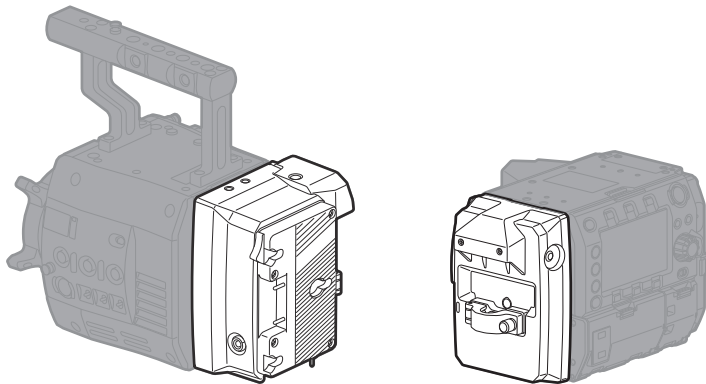


Panasonic®

Operating Instructions

Extension Module

Model No. **AU-VEXT1G**



ENGLISH

Before using this product, be sure to read "Read this first!" (pages 2 to 3).

For more information, please visit the Panasonic website (<http://pro-av.panasonic.net/en/manual/index.html>), and refer to the Operating Guide.

DEUTSCH

Bitte lesen Sie sorgfältig die „Bitte lesen Sie zuerst diesen Hinweis!“ vor der Nutzung dieses Produkts. (Seite 4).

FRANÇAIS

Avant d'utiliser cet appareil, assurez-vous de lire la section « Lire ces informations en premier ! » (pages 5 à 6).

ITALIANO

Prima di utilizzare il prodotto, assicurarsi di leggere "Leggere prima quanto segue!" (pagina 7).

ESPAÑOL

Antes de usar este producto, asegúrese de leer "Lea esto primero" (página 8).

Before operating this product, please read the instructions carefully and save this manual for future use.

ENGLISH

Read this first!



indicates safety information.

WARNING:

- To reduce the risk of fire, do not expose this equipment to rain or moisture.
- To reduce the risk of fire, keep this equipment away from all liquids. Use and store only in locations which are not exposed to the risk of dripping or splashing liquids, and do not place any liquid containers on top of the equipment.

CAUTION:

Do not remove panel covers by unscrewing.
No user serviceable parts inside. Refer servicing to qualified service personnel.

CAUTION:

To reduce the risk of fire and annoying interference, use the recommended accessories only.

CAUTION:

In order to maintain adequate ventilation, do not install or place this unit in a bookcase, built-in cabinet or any other confined space. To prevent risk of electric shock or fire hazard due to overheating, ensure that curtains and any other materials do not obstruct the ventilation.

CAUTION:

Do not leave the unit in direct contact with the skin for long periods of time when in use. Low temperature burn injuries may be suffered if the high temperature parts of this unit are in direct contact with the skin for long periods of time.
When using the equipment for long periods of time, make use of the tripod.

FCC NOTICE (USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The user may find the booklet "Something About Interference" available from FCC local regional offices helpful.

Warning:

To assure continued FCC emission limit compliance, follow the attached installation instructions and the user must use only shielded interface cables when connecting to host computer or peripheral devices. Also, any unauthorized changes or modifications to this equipment could void the user's authority to operate this device.

NOTIFICATION (Canada)

CAN ICES-3(B)/NMB-3(B)

A rechargeable battery that is recyclable powers the product you have purchased.

AEEE Yönetmeliğine Uygundur.
AEEE Complies with Directive of Turkey.

Manufactured by: Panasonic Corporation, Osaka, Japan
Importer's name and address of pursuant to EU rules:
Panasonic Marketing Europe GmbH
Panasonic Testing Centre
Winsbergring 15, 22525 Hamburg, Germany



TO REMOVE BATTERY

Main Power Battery (Ni-Cd / Ni-MH / Li-ion Battery)

- To detach the battery, please proceed in the reverse order of the installation method described in this manual.
- If a battery made by any other manufacturer is to be used, check the Operating Instructions accompanying the battery.

Декларація про Відповідність
Вимогам Технічного Регламенту Обмеження Використання деяких Небезпечних Речовин в
електричному та електронному обладнанні
(затвердженого Постановою №1057 Кабінету Міністрів України)

Виріб відповідає вимогам Технічного Регламенту Обмеження Використання деяких
Небезпечних Речовин в електричному та електронному обладнанні (ТР ОВНП).

Вміст небезпечних речовин у випадках, не обумовлених в Додатку №2 ТР ОВНП, :

1. свинець(Pb) – не перевищує 0,1 % ваги речовини або в концентрації до 1000 частин на мільйон;
2. кадмій (Cd) – не перевищує 0,01 % ваги речовини або в концентрації до 100 частин на мільйон;
3. ртуть(Hg) – не перевищує 0,1 % ваги речовини або в концентрації до 1000 частин на мільйон;
4. шестивалентний хром (Cr6+) – не перевищує 0,1 % ваги речовини або в концентрації до 1000 частин на мільйон;
5. полібромбіфеноли (PBВ) – не перевищує 0,1 % ваги речовини або в концентрації до 1000 частин на мільйон;
6. полібромдефенілові ефіри (PBDE) – не перевищує 0,1 % ваги речовини або в концентрації до 1000 частин на мільйон.

Bitte lesen Sie zuerst diesen Hinweis!

 ist die Sicherheitsinformation.

WARNUNG:

- Setzen Sie dieses Gerät zur Reduzierung der Brandgefahr weder Nässe noch Feuchtigkeit aus.
- Um die Brandgefahr zu reduzieren, muss dieses Gerät von allen Flüssigkeiten ferngehalten werden. Vermeiden sie Gebrauch und Lagerung des Gerätes an Orten, an denen die Gefahr besteht, dass es mit Flüssigkeiten betropft oder bespritzt wird, und stellen sie keine Flüssigkeitsbehälter auf das Gerät.

VORSICHT:

Öffnen Sie nicht das Gerät durch Abschrauben von Gehäuseteilen. Im Geräteinneren befinden sich keine Teile, die vom Benutzer gewartet werden können. Wartungs- und Reparaturarbeiten grundsätzlich autorisiertem Kundendienstpersonal überlassen

VORSICHT:

Verwenden Sie nur das empfohlene Zubehör, um die Gefahr von Bränden sowie Störungen zu reduzieren.

VORSICHT:

Um eine ausreichende Belüftung zu gewährleisten, dieses Gerät nicht in einem Bücherregal, Einbauschränk oder an einem anderen engen Platz aufstellen. Sicherstellen, dass die Ventilationsöffnungen im Gehäuse nicht durch Vorhänge oder andere Materialien blockiert werden; anderenfalls besteht die Gefahr von elektrischem Schlag oder Feuer aufgrund von Überhitzung.

VORSICHT:

Die Einheit bei längerem Gebrauch nicht direkt mit der Haut berühren. Verbrennungen durch niedrige Temperaturen sind möglich, wenn die heißen Komponenten dieser Einheit für lange Zeit in direktem Hautkontakt stehen. Bei längerer Verwendung der Ausrüstung das Stativ einsetzen.

Hergestellt von: Panasonic Corporation, Osaka, Japan
Name und Adresse des Importeurs gemäß EU-Bestimmungen:

Panasonic Marketing Europe GmbH

Panasonic Testing Centre

Winsbergring 15, 22525 Hamburg, Deutschland



ENTFERNEN DER BATTERIE

Hauptbatterie (Ni-Cd / Ni-MH / Li-ion Batterie)

- Um die Batterie zu entfernen, gehen Sie in der umgekehrten Reihenfolge wie die der in dieser Bedienungsanleitung beschriebenen Installation vor.
- Wenn eine Batterie eines anderen Herstellers verwendet werden soll, überprüfen Sie die Bedienungsanleitung der Batterie.

Lire ces informations en premier !

Informations concernant la sécurité.

AVERTISSEMENT:

- Pour réduire les risques d'incendie, évitez d'exposer cet appareil à la pluie ou à l'humidité.
- Pour réduire les risques d'incendie, éloignez l'appareil des liquides — utiliser et ranger uniquement dans un endroit ne risquant pas de recevoir des gouttes ou d'être aspergé de liquides, et ne pas mettre de récipient renfermant des liquides sur le dessus de l'appareil.

ATTENTION:

Ne pas dévisser le couvercle.
Il ne se trouve à l'intérieur aucune pièce qui puisse être réparée par l'utilisateur.
Confier toute réparation à un personnel qualifié.

ATTENTION:

Pour réduire les risques d'incendie et des interférences nuisibles, utilisez uniquement les accessoires recommandés.

NOTIFICATION (Canada)

CAN ICES-3(B)/NMB-3(B)

ATTENTION:

Pour maintenir une bonne ventilation, ne pas installer ni placer l'appareil dans une étagère, un meuble encastré ni aucun endroit confiné.

Pour éviter tout risque de choc électrique ou de feu dû à une surchauffe, vérifier qu'aucun rideau ni aucun autre matériau ne fait obstacle à la ventilation.

ATTENTION:

Ne laissez pas l'appareil au contact direct de la peau de façon prolongée lors de l'utilisation.

Des brûlures dues aux basses températures pourraient résulter si les parties de cet appareil sont en contact direct avec la peau de façon prolongée. Quand vous utilisez l'appareil de façon prolongée, utilisez le trépied.

Une batterie rechargeable et recyclable alimente le produit que vous avez acheté.

Fabriqué par : Panasonic Corporation, Osaka, Japon
Nom et adresse de l'importateur en accord avec les règlements de l'Union Européenne :

Panasonic Marketing Europe GmbH

Panasonic Testing Centre

Winsbergring 15, 22525 Hamburg, Allemagne



POUR ENLEVER LA BATTERIE

Batterie d'alimentation principale (batterie Ni-Cd / Ni-MH / Li-ion)

- Pour enlever la batterie, procédez dans le sens inverse de la procédure de mise en place décrite dans le présent manuel.
- En cas d'utilisation d'une batterie fabriquée par un autre fabricant, contrôlez le Mode d'emploi fourni avec la batterie.

Leggere prima quanto segue!



sono le informazioni sulla sicurezza.

ATTENZIONE:

- Per ridurre il pericolo di incendio, non esporre questa apparecchiatura a pioggia o umidità.
- Per ridurre il rischio d'incendio, tenere questo prodotto lontano da tutti i liquidi. Usarlo e conservarlo soltanto in luoghi che non siano esposti a gocciolamenti o spruzzi di liquidi, e non mettervi sopra recipienti di liquidi.

PRECAUZIONE:

Non togliere il coperchio svitandolo.
All'interno non ci sono parti riparabili dall'utente.
Per le riparazioni, rivolgersi a personale tecnico qualificato.

PRECAUZIONE:

Per ridurre il pericolo di incendio e di fastidiose interferenze, usare soltanto gli accessori raccomandati.

PRECAUZIONE:

Per assicurare una buona ventilazione, non installare o sistemare questo apparecchio in uno scaffale, mobile incorporato od altro spazio chiuso. Per evitare i pericoli di scosse elettriche o d'incendio a causa di un surriscaldamento, accertarsi che tende od altro materiale non ostacolino la ventilazione.

PRECAUZIONE:

Non lasciare l'unità a diretto contatto con la pelle per un periodo di tempo prolungato durante l'uso.
In caso di un prolungato contatto diretto fra le parti di questa unità con elevate temperature e la pelle potrebbero verificarsi ustioni da bassa temperatura.
Quando si utilizza questo dispositivo per un periodo di tempo prolungato, fare uso del treppiede.

Fabbricato da: Panasonic Corporation, Osaka, Giappone
Nome e indirizzo dell'importatore in conformità con le normative UE:
Panasonic Marketing Europe GmbH
Panasonic Testing Centre
Winsbergring 15, 22525 Hamburg, Germania

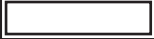


PER RIMUOVERE LA BATTERIA

Batteria di alimentazione (batteria Ni-Cd / Ni-MH / ioni di litio)

- Per estrarre la batteria, procedere nell'ordine inverso rispetto alla procedura di installazione descritta nel presente manuale.
- Se si utilizza una batteria di altra marca, verificare le istruzioni d'uso allegata alla batteria.

Lea esto primero

 indica información de seguridad.

ADVERTENCIA:

- Para reducir el riesgo de producir un incendio, no exponga este equipo a la lluvia ni a la humedad.
- Para reducir el riesgo de incendio, mantenga este equipo alejado de cualquier líquido. Utilícelo y guárdelo solamente en lugares donde no corra el riesgo de que le caigan gotas o le salpiquen líquidos, y no coloque ningún recipiente de líquidos encima del equipo.

PRECAUCIÓN:

No quite la cubierta desatornillándola. Las piezas del interior no requieren mantenimiento por parte del usuario. Solicite las reparaciones al personal de servicio calificado.

PRECAUCIÓN:

Para reducir el riesgo de incendios e interferencias molestas, utilice solamente los accesorios recomendados.

PRECAUCIÓN:

Para mantener unas buenas condiciones de ventilación, no instale ni ponga este aparato en una librería, mueble empotrado u otro espacio reducido. Para evitar el riesgo de que se produzcan sacudidas eléctricas o peligros de incendio debidos al recalentamiento, asegúrese de que las cortinas y otros materiales no obstruyan la ventilación.

PRECAUCIÓN:

No mantenga la unidad en contacto directo con la piel durante largos periodos de tiempo cuando está en uso. Es posible que se produzcan quemaduras de baja temperatura si la piel entra en contacto con las piezas de la unidad que se encuentran a temperaturas altas durante periodos de tiempo prolongados. Si va a utilizar el equipo durante largos periodos de tiempo, emplee el trípode.

El producto que ha adquirido recibe alimentación de una batería recargable reciclable.

Fabricado por: Panasonic Corporation, Osaka, Japón

Nombre y dirección del importador conforme a las normas de la UE:

Panasonic Marketing Europe GmbH

Panasonic Testing Centre

Winsbergring 15, 22525 Hamburg, Alemania



EXTRACCIÓN DE LA BATERÍA

Batería de Alimentación Principal (Batería de Ni-Cd / Ni-MH / Li-ion)

- Para extraer la batería, repita los pasos de la instalación de la misma, descritos en el manual, en el orden inverso.
- Si desea utilizar una batería de otro fabricante, compruebe las Instrucciones de Funcionamiento de dicha batería.

-
- All names, company names, product names, etc., contained in this document are trademarks or registered trademarks of their respective owners.

How to read this document

■ Illustrations

- Screenshots or illustrations may differ from the actual product.

■ Conventions used in this manual

- Words and phrases in [] brackets indicate details and content displayed in the viewfinder or control panel.
- Words and phrases in < > brackets indicate design text used on this camera, such as button names.

■ Reference pages

- Reference pages in this document are indicated by (page 00).

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Before using the extension module

- **This device is a module that extends the distance between the camera module (optional) and the recording module (optional).**

The distance between the camera module and the recording module can be extended by using the extension cable (optional).

- **A power supply to the camera extension module and recording module (optional) is required.**

When using the device, a power supply to both the camera extension module and recording module is required.

- **To use the extension module, update to the latest firmware that is compatible with the extension module.**

Update the firmware of the camera module (optional) and recording module (optional) before using the device. An error will be displayed if an incompatible firmware is used.

- **You cannot update the firmware of the camera module (optional) and recording module (optional) if the extension module is connected.**

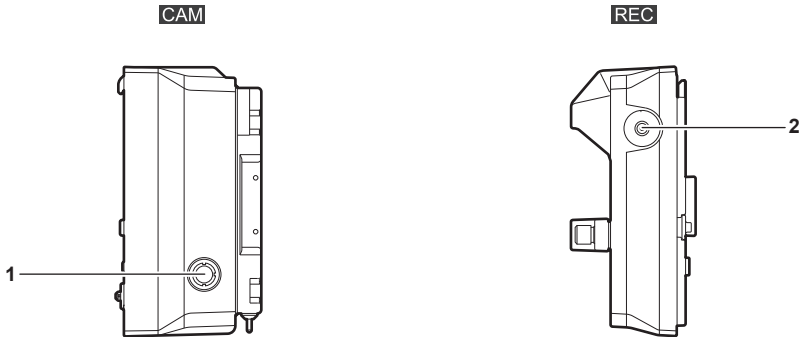
To update the firmware, remove the extension module and perform the update with the camera module directly connected to the recording module.

Description of parts

Left side

CAM: Camera extension module

REC: Recording extension module



1 <DC OUT> terminal

This is the DC12 V output terminal. The DC output provides a maximum current of 1.0 A.

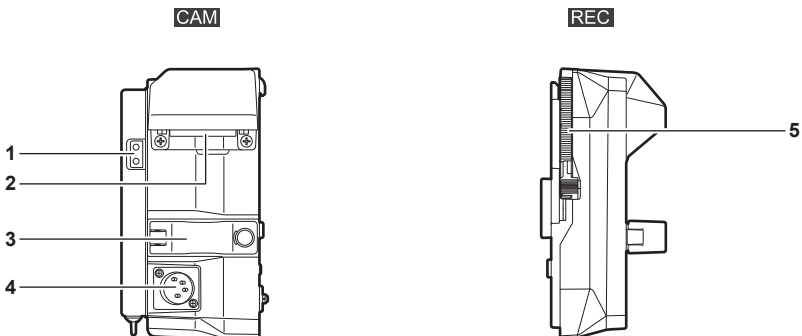
2 <SIX USER BUTTONS> button

This button sets the control panel operation buttons of the recording module (optional) to be used as USER buttons. You can operate the functions allocated from [USER5] to [USER10] in [MENU] → [SYSTEM SETTINGS] → [USER SWITCHES].

Right side

CAM: Camera extension module

REC: Recording extension module



1 Light output terminal

Power supply terminal for connecting a light.

2 <EXT> terminal

Terminal for connecting the extension cable (optional). This connects to the recording extension module.

3 Extension cable securing fitting

Secures the extension cable connected to the <EXT> terminal.

Description of parts

4 <DC IN> terminal

Input terminal for connecting an external DC power supply.

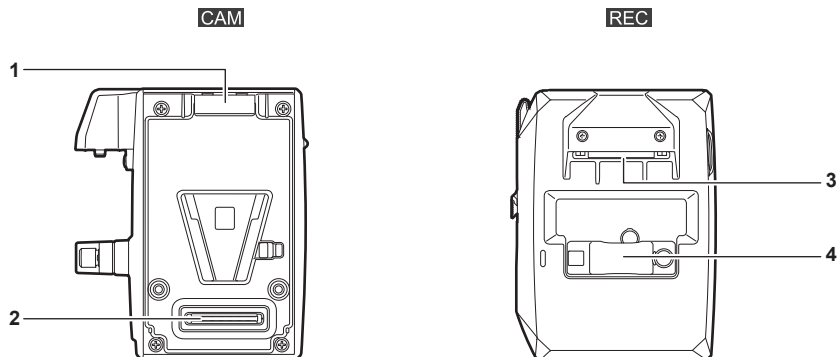
5 Recording extension module release lever

Lever for removing the recording module (optional) from the recording extension module.

Front

CAM: Camera extension module

REC: Recording extension module



1 Lock angle

Fitting which secures the camera module (optional) in place when connected.

2 Camera module connection terminal

Terminal for connecting the camera module (optional).

3 <EXT> terminal

Terminal for connecting the extension cable (optional). This connects to the camera extension module.

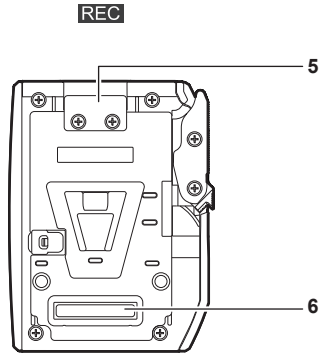
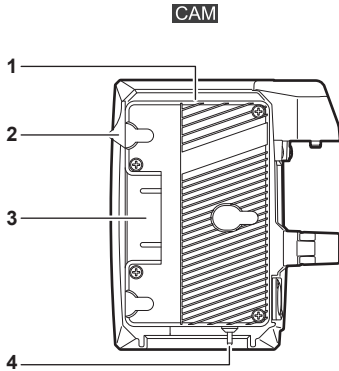
4 Extension cable securing fitting

Secures the extension cable connected to the <EXT> terminal.

Rear

CAM: Camera extension module

REC: Recording extension module



- 1 **Battery holder**
For mounting Anton/Bauer batteries.
- 2 **Battery release lever**
Pull this lever down to release the battery.
- 3 **Battery contact terminals**
Contact terminals for the battery.
- 4 **<LIGHT CONTROL> switch**
Control switch when light is connected to the light output terminal.
- 5 **Lock plate**
Fitting which secures the recording module (optional) in place when connected.
- 6 **Recording module connection terminal**
Terminal for connecting the recording module (optional).

Assembling Extension Modules

Removing the camera extension module and recording extension module

Before assembly, remove the 2 modules.

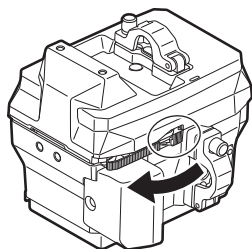


Fig. 1

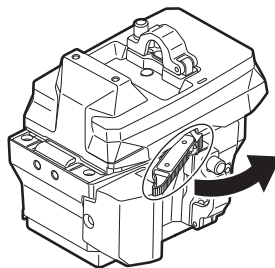


Fig. 2

- 1** While raising the lock knob (red) of the recording extension module release lever (Fig. 1), pull the recording extension module release lever. (Fig. 2)
The rear part of the recording extension module will slightly come up.
- 2** Lift the recording extension module.
- 3** Remove the lock angle of the camera extension module from the lock plate of the recording extension module.

Assembling the camera module and the camera extension module

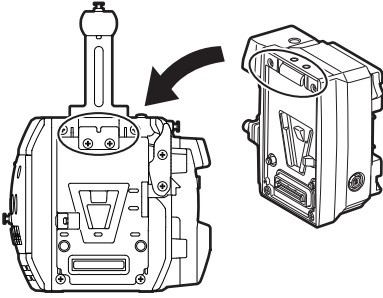


Fig. 1

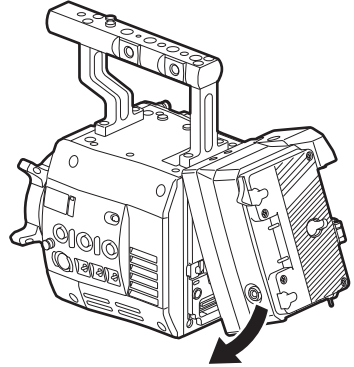


Fig. 2

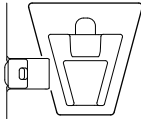


Fig. 3

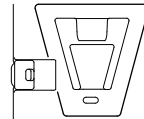


Fig. 4

- 1** Align the upper lock angle at the front of the camera extension module with the upper lock plate at the rear of the camera module.(Fig. 1)
- 2** Firmly push in the camera extension module and connect the connection terminals of the camera module and camera extension module. (Fig. 2)

NOTE

- You cannot join the modules together if the V edge of the camera module is down. (Fig. 3) Push down the recording module release lever of the camera module to raise the V edge. (Fig. 4)
- Do not touch the mechanical parts near the V edge. The V edge will move quickly, which may cause injury.

Assembling the recording module and the recording extension module

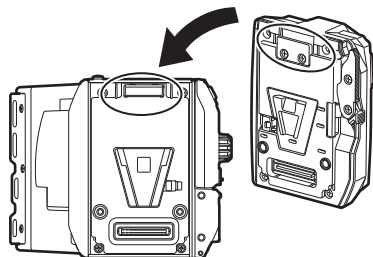


Fig. 1

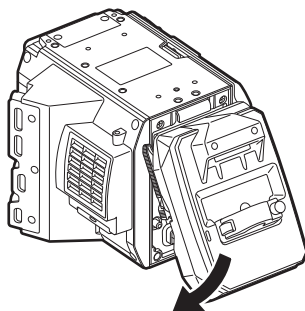


Fig. 2

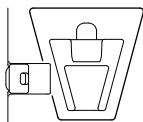


Fig. 3

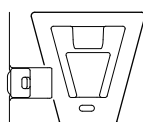


Fig. 4

- 1** Align the upper lock angle at the front of the recording module with the upper lock plate at the rear of the recording extension module. (Fig. 1)
- 2** Firmly push in the recording module and connect the connection terminals of the recording extension module and recording module. (Fig. 2)

NOTE

- You cannot join the modules together if the V edge of the recording extension module is down. (Fig. 3) Push down the recording extension module release lever of the recording extension module to raise the V edge. (Fig. 4)
- Do not touch the mechanical parts near the V edge. The V edge will move quickly, which may cause injury.

Using an external DC power supply

- 1** Connect the external DC power supply to the <DC IN> terminal of the camera extension module.
- 2** Turn on the power switch of the external DC power supply (if the external DC power supply has a power switch).
- 3** Supply power to the recording module.
- 4** Set the <POWER> of the recording module to <ON>.

■ Regarding external DC power supply

Connect after making sure that the output voltage of the external DC power supply is compatible with the rated voltage of the device.

Select an output amperage for the external DC power supply with a margin above the total amperage of the connected devices.

The total amperage of connected devices can be calculated with the following formula.

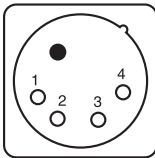
Total power consumption ÷ voltage

When the power of the camera is turned on, inrush current is generated. Insufficient power supply when turning on the power may cause a malfunction. We recommend that you use an external DC power supply that can assure double the capacity of the total power consumption of this device and connected devices that are turned on by interlock when the power of the device is turned on (such as lenses). For the DC cable, use a dual-core shielded wire of AWG16 (nominal cross section area 1.309 mm²) or thicker.

- Make sure of the pin alignment of the DC output terminal of the external DC power supply and the <DC IN> terminal of the device, and connect the polarity correctly.

Making the mistake of connecting a +12 V power supply to the GND terminal may cause fire or malfunction.

DC IN



1	GND
2	NC
3	NC
4	+12 V

Panasonic Part No.: K1AA104H0038
 Manufacturer Part No.: HA16RX-4P (SW1) (76) (Hirose Electric Co.)

NOTE

- When both the battery and the external DC power supply are connected, the power supply from the external DC power supply has priority. The battery may be removed while using the external DC power supply.
- When using an external DC power supply, always turn the power switch of the external DC power supply on before setting the <POWER> switch of the recording module to <ON>. If the operations are performed in reverse, the camera may malfunction because the external DC power supply output voltage rises too slowly.
- When switching the power supply from an external DC power supply to the battery, carefully remove the DC cable from the <DC IN> terminal. Removing the cable quickly may temporarily stop the operation of the device.
- When power is supplied from the <DC IN> terminal, the light circuit does not function. The light circuit can be used only when power is supplied from the Anton/Bauer battery plate.
- When a battery is connected to the <DC IN> terminal, set [MENU] → [SYSTEM SETTINGS] → [BATTERY] → [CAM EXT DC IN SEL] to [BATTERY], then set [CAM BATT END], [CAM BATT NEAR END], and [CAM BATT FULL] according to the features of the battery. The percent (%) display will not be available for batteries with a battery level indicator function.

Storing

Cautions when storing the camera recorder

Remove the battery when storing the camera recorder. Store them in a place where humidity is low and temperature is relatively constant.

■ Camera body

- Wrap the camera recorder with a soft cloth so that dust does not get into it.

■ Battery

- The battery life shortens where the temperature is extremely high or low.
- Storing in a place where there is heavy oil smoke or dust may lead to malfunctions due to rust on terminal connectors, etc.
- Do not let the battery terminal contact a metal object (such as a necklace or hairpin). Short circuit may occur between terminals and it may lead to heat generation. Touching on a heated part may cause severe burns.
- Store the battery with electrically discharged. If you store it for a long period of time, it is recommended that you charge it once a year, use the camera recorder until the battery runs out, and then storing it again.

Specifications

For detailed specifications, refer to the Operating Guide.

General

Power DC 12 V (11.0 V - 17.0 V) Power consumption 33 W (body only) 63 W (with all optional accessories connected and maximum power supplied from each output terminal)
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indicates safety items.

Ambient operating temperature	0 °C - 40 °C (32 °F - 104 °F)
Ambient operating humidity	10% - 85% (no condensation)
Storage temperature	-20 °C - 60 °C (-4 °F - 140 °F)
Weight	Camera extension module: Approx. 0.95 kg (2.09 lbs.) Recording extension module: Approx. 0.65 kg (1.43 lbs.)
Dimensions (W×H×D)	Camera extension module: 121 mm×143 mm×73 mm (4-25/32 inches×5-21/32 inches×2-7/8 inches) Recording extension module: 106 mm×143 mm×61 mm (4-3/16 inches×5-21/32 inches×2-13/32 inches)

- Make sure that the total current from the <DC OUT> terminal, <VF> terminal, and <LENS> terminal of the camera module (optional), and the <DC OUT> terminal of the camera extension module does not exceed 30 W.



Disposal of Old Equipment and Batteries **Only for European Union and countries with recycling systems**

This symbol on the products, packaging, and/or accompanying documents mean that used electrical and electronic products must not be mixed with general household waste.

For proper treatment, recovery and recycling of old products, please take them to applicable collection points in accordance with your national legislation.

By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment.

For more information about collection and recycling, please contact your local municipality, dealer or supplier.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.