

English
Owner's Record
The model and serial numbers are located inside the connector cover. Record the serial number in the space provided below. Refer to these numbers whenever you call your Sony dealer regarding this product.
Model No. HDR-AS
Serial No.
WARNING
To reduce the risk of fire or electric shock, 1) do not expose the unit to rain or moisture, 2) do not place objects filled with liquids, such as vases, on the apparatus.
Do not expose the batteries to excessive heat such as sunshine, fire or the like.
CAUTION
Battery pack
If the battery pack is mishandled, the battery pack can burst, cause a fire or even chemical burns. Observe the following cautions. <ul style="list-style-type: none">Do not disassemble. Do not crush and do not expose the battery pack to any shock or force such as hammering, dropping or stepping on it. Do not short-circuit and do not allow metal objects to come into contact with the battery terminals. Do not expose to high temperature above 67°C (149°F) such as in direct sunlight or in a car parked in the sun. Do not incinerate or dispose of in fire. Do not handle damaged or leaking lithium ion batteries. Be sure to charge the battery pack using a genuine Sony battery charger or a device that can charge the battery pack. Keep the battery pack out of the reach of small children. Keep the battery pack dry. Replace only with the same or equivalent type recommended by Sony. Dispose of used battery packs promptly as described in the instructions.
Replace the battery with the specified type only. Otherwise, fire or injury may result.
For Customers in the USA

If you have any questions about this product, you may call:
Sony Customer Information Center 1-800-222-SONY (7669).
The number below is for the FCC related matters only.

Regulatory information
Declaration of Conformity
Trade Name: SONY
Model No.: HDR-AS15
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone No.: 858-942-2230
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.
Declaration of Conformity
Trade Name: SONY
Model No.: HDR-AS10
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone No.: 858-942-2230
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.

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

Note
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: <ul style="list-style-type: none">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 supplied interference cable must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

For customers in the U.S.A. and CANADA
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Battery pack
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.

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

RECYCLING LITHIUM-ION BATTERIES
Lithium-ion batteries are recyclable. You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit http://www.brcc.org/

Caution: Do not handle damaged or leaking Lithium-Ion batteries.

For HDR-AS15 only
This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET-65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR).
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.
For Customers in Europe

Notices for the customers in the countries applying EU Directives
The manufacturer of this product is Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters please refer to the address given in separate service or guarantee documents.



Hereby, Sony Corporation, declares that this HDR-AS15 Digital HD Video Camera Recorder is in compliance with the essential requirements and other relevant provisions of the Directive 1999/5/EC. For details, please access the URL: http://www.compliance.sony.de/

This product has been tested and found compliant with the limits set out in the EMC regulation for using connection cables shorter than 3 meters (9.8 feet).

Attention
The electromagnetic fields at the specific frequencies may influence the picture and sound of this unit.

Notice
If static electricity or electromagnetism causes data transfer to discontinue midway (fail), restart the application or disconnect and connect the communication cable (USB, etc.) again.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)
 This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local City Office, your household waste disposal service or the shop where you purchased the product.

Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)

 This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead. By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment. For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.
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For more detailed information about recycling of this product or battery, please contact your local City Office, your household waste disposal service or the shop where you purchased the product.

For Customers in Singapore

Complies with IEC Standards DB00053

Notes on long-time recording
<ul style="list-style-type: none">If the power is turned off, leave the camera for 10 minutes or longer to allow the temperature inside the camera to decrease to a safe level. Under high ambient temperatures, the temperature of the camera rises quickly. When the temperature of the camera rises, the image quality may deteriorate. It is recommended that you wait until the temperature of the camera drops before continuing to shoot. The surface of the camera may get hot. This is not a malfunction.

Error messages
<ul style="list-style-type: none">BATT: Battery error MEDIA: Media error HEAT: Temperature rise error, High battery temperature LowPw: Battery power low ERROR: System error, Voltage abnormality, other error <p>For details, refer to the Handbook (PDF).</p>

Checking the bundled items

Camera (1)

Micro USB cable (1)



Rechargeable battery pack (NP-BX1) (1)



Battery tray, type X (only for NP-BX1) (1)

Attach to the camera.



Battery tray, type G (only for NP-FG1/BG1) (1)



Waterproof Case (1)

Attachment Buckle (1)

Flat Adhesive Mount (1)

Curved Adhesive Mount (1)

Handbook

Included in the internal memory of this camera.

Set of printed documentation

Specifications

Signal format: NTSC color, EIA standards

HDTV 1080/60i, 1080/60p specification
Power requirements: Rechargeable battery pack, 3.6 V (NP-BX1)
Rechargeable battery pack, 3.6 V (NP-BG1)
USB, 5.0 V
USB charging: DC 5.0 V, 500 mA/600 mA

For more specifications, refer to "Specifications" in Handbook (PDF).

On trademarks
<ul style="list-style-type: none">"Memory Stick", "MEMO", "Memory Stick Duo", "MEMORY STICK DUO", "Memory Stick PRO Duo", "MEMORY STICK PRO DUO", "Memory Stick PRO-HG Duo", "MEMORY STICK PRO-HG DUO", "Memory Stick Micro", "MagicGate", "MAGIC GATE", "MagicGate Memory Stick" and "MagicGate Memory Stick Duo" are trademarks or registered trademarks of Sony Corporation. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. Microsoft, Windows, Windows Vista, and DirectX are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Mac and Mac OS are registered trademarks of Apple Inc. in the U.S. and other countries. Intel, Intel Core, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. "PS" and "PlayStation" are registered trademarks of Sony Computer Entertainment Inc.

<ul style="list-style-type: none">Add further enjoyment with your PlayStation 3 by downloading the application for PlayStation 3 from PlayStation Store (where available). The application for PlayStation 3 requires PlayStation Network account and application download. Accessible in areas where the PlayStation Store is available. Adobe, the Adobe logo, and Adobe Acrobat are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries. microSD logo and microSDHC logo are trademarks of SD-3C, LLC. <p>In addition, system and product names used in this manual are, in general, trademarks or registered trademarks of their respective developers or manufacturers. However, the ™ or ® marks are not used in all cases in this manual.</p>

繁體中文

警告

為減少火災或觸電的風險，
1) 請勿讓本裝置接觸到雨水或潮氣。
2) 請勿把裝滿液體的物品放在本設備上，例如花瓶等。

切勿將電池放在過熱的地方，如陽光下、火裡或類似的地方。

注意

電池組

如果電池組處理不當，電池組可能會爆炸，造成火災，甚至化學灼傷，請遵循以下注意事項。

- 切勿拆解， 撞擊電池組或對電池組用力過度，如敲擊，跌落或踩踏在電池組上。
- 切勿短路或讓金屬物品接觸到電池端子。
- 切勿暴露在超過 67°C (149°F) 的環境下，例如在陽光下，或停在太陽下的汽車內。
- 切勿聚合或丟棄在火中。
- 切勿能接觸到電池組的內部電子電池。
- 務必使用 Sony 附屬的充電器或對可電池組充電的裝置來為電池組充電。
- 電池組應放在幼兒不易觸及的地方。
- 請僅使用與 Sony 建議的相同或相等的電池類型進行更換。
- 請僅依照說明書中的說明正確去廢舊電池組。

請僅用指定類型的電池進行更換，否則，可能造成起火或人員受傷。

本產品已經過測試並確定符合 EMC 規定中所提出的使用連接電纜不得超過 3 公尺的限制。

注意
特定頻率的電磁場可能會影響此機器的畫面和聲音。

通知

如果靜電或電磁干擾資料傳送中斷（失敗），請重新啟動應用程式或斷開連接，並重新連接通信電纜（USB 等）。

通知

經型式認證合格的低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率，加大功率或變更原設計之特性及功能。低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

僅適用於台灣



廢電池請回收

附屬電纜上附有標誌時的注意事項：USB電纜或A/V連接電纜或電源配器之A輸出端上的一個標誌係指示須回收處理之標記，請予以回收。

長時間錄製的注意事項

- 如果電量即將用盡，將相機置放10分鐘以上，讓相機內部溫度下降至安全程度。

- 在或溫度低下，相機溫度快速上升。
- 相機溫度上升時，影像品質可能降低。
- 建議您等到相機溫度恢復後後再繼續拍攝。
- 相機表面可能發熱，這並不是故障。

錯誤訊息

- BATT：電池錯誤
- MEDIA：媒體錯誤
- HEAT：溫度上升錯誤，電池溫度過高
- LowPw：電池電力不足
- ERROR：系統錯誤、電壓異常、其他錯誤

詳細說明，請參閱手冊（PDF）。

檢查附頂目

相機 (1)

迷你USB電纜 (1)



充電電池組 (NP-BX1) (1)



電池槽，大型 (僅限NP-BX1) (1)



電池槽，C型 (僅限NP-FG1/BG1) (1)



防水殼 (1)

插接底座 (1)

平面黏性固定座 (1)

弧面黏性固定座 (1)

手冊

包含於本相機的內部記憶體內。

成套印刷文件

規格

信號格式：NTSC彩色，EIA標準

HDTV 1080/60i, 1080/60p規格

電源要求：充電電池組，3.6 V (NP-BX1)

充電電池組，3.6 V (NP-BG1)

USB, 5.0 V

USB充電：DC 5.0 V, 500 mA/600 mA

關於更多規格，請參閱手冊（PDF）中的“規格”。

設計和規格若有變更，恕不另行通知。

關於商標

- "Memory Stick", "MEMO", "Memory Stick Duo", **"MEMORY STICK DUO"**, "Memory Stick PRO Duo", **"MEMORY STICK PRO DUO"**, "Memory Stick PRO-HG Duo", **"MEMORY STICK PRO-HG DUO"**, "Memory Stick Micro", "MagicGate", **"MAGIC GATE"**, "MagicGate Memory Stick" and "MagicGate Memory Stick Duo" are Sony Corporation's registered trademarks.
- HDMI, HDMI標誌和High-Definition Multimedia Interface為HDMI Licensing LLC在美國和其他國家的商標或註冊商標。
- Microsoft, Windows, Windows Vista和DirectX為Microsoft公司在美國和/或其他國家的註冊商標或商標。
- Mac和Mac OS為Apple Inc.在美國和其他國家的註冊商標。
- Intel, Intel Core和Pentium為Intel Corporation或其子公司在美國和其他國家的商標或註冊商標。
- "PS"和"PlayStation"為Sony Computer Entertainment Inc.的註冊商標。

Works with PlayStation3

• 從PlayStation Store (如果有的話) 下載PlayStation 3專用的應用程式，可以為PlayStation 3增加更多娛樂功能。

• 使用PlayStation 3應用程式需要擁有PlayStation Network帳戶並下載應用程式。可前往PlayStation Store的網頁。

- Adobe, Adobe標誌和Adobe Acrobat為Adobe Systems Incorporated在美國和/或其他國家的註冊商標或商標。

- microSD標誌和microSDHC標誌為SD-3C, LLC的商標。

此外，本手冊中使用的系統和產品名稱通常是其自願標商或製造商的商標或註冊商標，但此，本手冊未在各處使用™或®標記。

한국어

상호명: 소니코리아 (주)
기자재명: 특장소출력 무선기기(무선데이터통신시스템용 무선기기)
모델명: HDR-AS15
제조사 / 제조국가: Sony Corporation/China

경고

화재나 감전 위험을 줄이려면

1)본 제품에 비 물 옮기가 금지 않도록 하십시오.
2)본 제품에 액체 붓병 등 액체가 들어있는 물건을 올려놓지 마십시오.

배터리 팩 햇빛, 불 등과 같은 과도한 열에 노출시키지 마십시오.

경고

배터리 팩

발전, 화재, 폭발 등의 위험을 수반할 수 있으니 다음 사항을 지켜주시기 바랍니다.

- a) 충전도 다른 이가 가능한 장소나 부품들이 발전된 전지는 위험할 수 있으므로 제조사 또는 판매처로 즉시 문의하십시오.
- b) 지정된 전용 충전기만을 사용하십시오.
- c) 화기에 가까이 하지 말 것(안전제어전에 넣지 마십시오)
- d) 이를 물과 액체와 접촉하지 마십시오.
- e) 열일발 등 온도가 높은 곳에서 보면, 사용하지 마십시오
- f) 전지 단자에 목걸이, 동전, 열쇠, 시계 등 금속 제품이 닿지 않도록 주의하십시오
- g) 휴대 기기, 제조 업체가 보증한 리튬이온전지 사용할 것
- h) 본재, 자켓, 전동 등의 열원을 하지 마십시오
- i) 높은 온도에 노출되는 등 비정상적 충격을 주지 마십시오
- j) 60 °C 이상의 고온에 노출하지 마십시오
- k) 습기에 접촉하지 않도록 하십시오

적절하게 폐기하십시오.

허용범위로서 지정된 충전 방법을 따르시 충전하십시오.

한국내 고객용

<p>자율안전확인신고필증번호: "KC"의 가까이에 표시</p> <p>안전방위 전지 문체에 따라 아래 표시</p> <p>전지의 종류: 리튬이온 폴리머 2차 전지</p> <p>제조사명: Sony Corporation</p> <p>수입자명: 소니코리아(주)</p> <p>중량 전압: 전지 문체에 "V"로 표시</p> <p>정격 용량: 전지 문체에 "mAh"로 표시</p> <p>제조 년월: 그릴 [A] 참조</p> <p>제조국명: 중국</p>

<p>▶ 작업 표시 작업 표시는 해당 제품의 사용에 관한 정보를 표시합니다.</p> <p>X X X X X X X X X X X X</p> <p>↓</p> <p>생성년</p> <p>↓</p> <p>생일월(이에서 12)</p>
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주의
반드시 지정된 유형의 배터리를 교체하십시오. 그렇지 않을 경우 화재나 부상의 원인이 될 수 있습니다.

이 기기는 가열용(B급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 없습니다.

본 제품은 전사를 통하여 3미터 이내의 연결 케이블을 사용하는 경우 EMC (Electromagnetic Compatibility: 전자파 적합) 규정의 기준 한계를 준수함이 증명되었습니다.

주의
본 기기의 화상 및 사운드는 특정 주파수의 전자기장으로 인하여 영향을 받을 수도 있습니다.

주의점
배터리 전용 충전용 충전기나 전자기 들의 영향으로 인하여 전술이 중지 되었을 경우 (배터리 전술에 실패했을 경우) 예는 응용 프로그램용 라디오 실행하거나 통신 케이블 (USB 등) 을 뺀다가 다시 접속하여 주십시오.

해당 무선설비는 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스를 할 수 없습니다.

장시간 녹화 시 주의점

- 전원이 꺼진 경우 카메라 내부 온도가 안전한 수준으로 떨어질 때까지 카메라를 10분 이상 그대로 두십시오.
- 주변 온도가 높을 때에는 카메라 온도가 빠르게 상승됩니다.
- 카메라 온도가 정상화될 때까지 열지 않습니다.

촬영을 계속하기 전에 카메라 온도가 떨어질 때까지 기다리는 것이 좋습니다.

- 카메라 전원이 뜨거워질 수 있습니다. 이것은 고장이 아닙니다.

오류 메시지

- BATT: 배터리 오류
- MEDIA: 미디어 오류
- HEAT: 온도 상승 오류, 높은 배터리 온도
- LowPw: 배터리 전량 부족
- ERROR: 시스템 오류, 전압 비정상, 기타 오류

자세한 내용은 핸드북(PDF)을 참조하십시오.

번들 항목 점검하기

카메라(1)

마이크로 USB 케이블(1)



충전식 배터리 팩(NP-BX1) (1)



배터리 트레이, X 타입(NP-BX1 전용) (1)

카메라에 부착됩니다.



배터리 트레이, G 타입(NP-FG1/BG1 전용) (1)



방수 케이스(1)

부착 바늘(1)

평면 접착 마운트(1)

곡면 접착 마운트(1)

핸드북

이 카메라의 내장 메모리에 들어 있습니다.

인쇄된 설명서 세트

신호 형식: NTSC 컬러, EIA 표준
HDTV 1080/60i, 1080/60p 사양
필요 전원: 충전식 배터리 팩, 3.6 V (NP-BX1)
충전식 배터리 팩, 3.6 V (NP-BG1)
USB, 5.0 V

USB 충전: DC 5.0 V, 500 mA/600 mA

사양에 대한 자세한 내용은 핸드북(PDF)의 “사양”을 참조하십시오.

디자인 및 사양은 예고 없이 변경될 수 있습니다.

상표 정보

- "Memory Stick", "MEMO", "Memory Stick Duo", **"MEMORY**