The latest Sony products you can enjoy around the world

Camera Products

Interchangeable Lens Digital Camera

Audio Products

Walkman® MP3播放器

Wireless Speaker
Easy for Use 便于您的使用

Multi-lingual menus and instruction manuals 多国语言菜单和使用说明书

Multi-lingual menus and instruction manuals are also available for Sony Overseas Models

For Middle Eastern, African, Asian or Oceanian countries and regions not listed above, please Email us from the “Contact Us” section at: http://www.sony-asia.com/support

For example, there may be no spare parts available, or it may take long repair time or additional fees. However, with Sony Overseas Models, you automatically have extended warranty services. In case you should experience problems with Japanese version products, you may face a number of difficulties when trying to resolve these outside of Japan.

Your best choice of Sony Products in Japan
您可以在日本放心购买的索尼产品

Safety for Use 有保无忧

Warranty service covering 52 countries and regions
在52个国家和地区均可享受保修服务

Handycam, Cyber-shot, etc. are able to display several languages besides English. (Available languages depend on the model)

After-sales service 售后服务

The Overseas Models are covered by a common warranty in a wide range of countries/regions.

Safety for Use 有保无忧

Laws and Regulations 法律和标准

Laws and regulations, etc., governing product safety and the use of radio waves differ between countries and regions. The overseas model listed in this catalog has been manufactured in conformance with international regulations, but it is necessary to check in advance to ascertain that there are no special restrictions, etc., in the targeted country or region of use.

The Overseas Model has been specifically manufactured for use overseas in addition to Japan, and it may be used within Japan.

Lenses 摄像头

The power supply situation and broadcasting system of each country may be changed without a preliminary announcement. You may obtain reconfirmation by yourself before purchase.

For Middle Eastern, African, Asian or Oceanian countries and regions not listed above, please contact: The European Sony Customer Care Center in Belgium. For Middle Eastern, African, Asian or Oceanian countries and regions not listed above, please contact: The European Sony Customer Care Center in Belgium. For Middle Eastern, African, Asian or Oceanian countries and regions not listed above, please contact: The European Sony Customer Care Center in Belgium. For Middle Eastern, African, Asian or Oceanian countries and regions not listed above, please contact: The European Sony Customer Care Center in Belgium.

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**Flagship 4K Camcorder with 1.0 type Exmor RS CMOS Sensor & superior AF performance**

By controlling the entire optical path including the image sensor as one floating unit, image stabilization is improved by as much as 13 times compared to previous image stabilization technology. Furthermore, in Intelligent Active Mode, image stabilization is even when shooting while running from wide to telephoto. Beautiful image quality with minimum blur is assured whether you’re shooting scenery on vacation, or zooming in to catch an expression on a child’s face.

Other camcorders typically support Full HD (1,920 x 1,080), but 4K camcorders support 4K (3,840 x 2,160), the extraordinary superior-definition format that delivers about four times the resolution of the Full HD format to capture incredible details that bring images to vibrant life.

**High-end 4K Camcorder with Balanced Optical SteadyShot and Built-in Projector with External Input**

**Full HD Camcorder with Balanced Optical SteadyShot and Built-in Projector with External Input**

**Digital Camcorder Accessories**

---

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The image sensor of larger size can make higher quality images

ILCE-9 / 7RM3 / 7RM2 / 7M2 / 7 / 6300 / 6000 / 5100

3 advantages of larger image sensor

— Stronger defocusing of background
— Wider angle of view
— Higher sensitivity, lower noise

35mm Full-frame CMOS Sensor

— Stronger defocusing of background
— Wider angle of view
— Higher sensitivity, lower noise

Professional quality in your pocket

Sony E-mount cameras have the same size of the image sensor as conventional DSLR cameras. So the image quality is stunning despite the compact body.

“4D FOCUS” captures your subject and doesn’t let go

In 1985, autofocus changed photography forever. Now 4D FOCUS will do the same. 3D gives you area and depth. To this Sony adds time. The state-of-the-art sensor detects both space and time to deliver the sharpest focus across four dimensions.

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World’s first full-frame camera with stacked CMOS image sensor with integral memory

Outstanding Resolution, Sensitivity, and Speed in Compact Body

World’s first back-illuminated full-frame sensor realizes high resolution, sensitivity and speed

World’s first full-frame camera with 5-axis image stabilization

24.3-megapixel 35mm full-frame interchangeable-lens camera

World’s fastest AF and most AF Points

Ultra-high-speed and DSLR-style operation

Sublime AF performance and image quality with 180°Tiltable touch LCD screen

Multilingual Manual

English / Chinese (Simplified Chinese / Traditional Chinese) / Arabic / Persian / Thai / Malay

Instruction Manual

English / Chinese (Simplified Chinese / Traditional Chinese) / French / Spanish / Arabic / Persian / Thai / Malay

Multilingual Menu Display

English / Chinese (Simplified Chinese / Traditional Chinese) / French / Spanish / Arabic / Persian / Thai / Malay

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Product Specifications and accessory details are subject to change without notice or obligation.

*3 EU only.


**G Master Lenses**

**Standard zoom**

FE 24-70mm F2.8 GM

- Zeiss T* coating
- Five aspherical elements
- One ED glass element
- Near-Angle Coating
- Super ED glass
- Internal focusing
- Compact and lightweight
- Advanced aspherical lens (AA lens)

**SEL2470GM**

- 24-70mm focal length
- Standard zoom
- E-Mount
- 35mm full frame
- Fast, precise focus
- Carl Zeiss T* coating
- Five aspherical elements
- One ED glass element
- Near-Angle Coating
- Super ED glass
- Internal focusing
- Compact and lightweight
- Advanced aspherical lens (AA lens)

**SEL85F18Z**

- 85mm focal length
- Standard prime
- E-Mount
- 35mm full frame
- Fast, precise focus
- Carl Zeiss T* coating
- Five aspherical elements
- One ED glass element
- Near-Angle Coating
- Super ED glass
- Internal focusing
- Compact and lightweight
- Advanced aspherical lens (AA lens)

**SEL1635Z**

- 16-35mm wide-angle zoom
- Wide-angle zoom
- E-Mount
- 35mm full frame
- Fast, precise focus
- Carl Zeiss T* coating
- Five aspherical elements
- One ED glass element
- Near-Angle Coating
- Super ED glass
- Internal focusing
- Compact and lightweight
- Advanced aspherical lens (AA lens)

**ZEISS Lenses**

**Standard zoom**

Vario-Tessar T* FE 24-70mm F4 ZA OSS

- A compact mid-range zoom that delivers outstanding performance with 35mm full frame lenses
- Carl Zeiss T* coating, five aspherical elements, and one ED glass element combined to deliver superior image quality
- Internal focusing
- Super ED glass
- Advanced aspherical lens

**SEL2470Z**

- 24-70mm focal length
- Vario-Tessar T* FE 24-70mm F4 ZA OSS
- A compact mid-range zoom that delivers outstanding performance with 35mm full frame lenses
- Carl Zeiss T* coating, five aspherical elements, and one ED glass element combined to deliver superior image quality
- Internal focusing
- Super ED glass
- Advanced aspherical lens

**SEL85F18GM**

- 85mm focal length
- Vario-Tessar T* FE 85mm F1.4 GM
- A compact mid-range zoom that delivers outstanding performance with 35mm full frame lenses
- Carl Zeiss T* coating, five aspherical elements, and one ED glass element combined to deliver superior image quality
- Internal focusing
- Super ED glass
- Advanced aspherical lens

**SEL1635Z**

- 16-35mm wide-angle zoom
- Vario-Tessar T* FE 16-35mm F4 ZA OSS
- A compact mid-range zoom that delivers outstanding performance with 35mm full frame lenses
- Carl Zeiss T* coating, five aspherical elements, and one ED glass element combined to deliver superior image quality
- Internal focusing
- Super ED glass
- Advanced aspherical lens
Digital Still Camera  |  数码相机

### DSC-RX100M5
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX100M4
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX100M3
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX100
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX10M2
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX10M1
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX10
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX1RM2
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX1R
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX10M4
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX10M3
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX10
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

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- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

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- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX10M3
- **Open Price**
- **Main Features**:
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  - SteadyShot
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  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX10M3
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC

### DSC-RX10
- **Open Price**
- **Main Features**:
  - Optical Zoom
  - SteadyShot
  - Wi-Fi / NFC
Ultra Compact Camera with Waterproof and Shockproof design

- 20x zoom and Wi-Fi / NFC in compact body Capable of taking up to 470 photos

- Interchangeable Lens Digital Camera / Digital Still Camera Accessories

- Rechargeable Battery Pack

- Recording Media

- IC Recorder

- International shortwave broadcast receivable radio

- Battery is Option. Please refer to page 31 for product specifications. For battery life, refer to the operating instructions included with the product.
**Notice:** There is no Headphone in the box.

**NW-WM1Z**

- **Open Price**
- **Built-In Memory:** 256GB
- **Waterproof:** IP68
- **Menu Display:** Full color LCD
- **Audio Formats:** MP3 / WMA / Linear PCM / AAC / HE-AAC / FLAC / Apple Lossless / AIFF / DSD
- **FM Tuner:** 108MHz
- **Quick Charge:** Yes
- **Waterproof:** IP68

Notice: Maximum number of songs that can be transferred to a WM1 Series or A Series is 20,000 (when transferring 4-minute songs at MP 3 128 kbps mode). If the maximum number is exceeded, the device may not function properly.

**NW-WM1A**

- **Open Price**
- **Built-In Memory:** 128GB
- **Waterproof:** IP68
- **Menu Display:** Full color LCD
- **Audio Formats:** MP3 / WMA / Linear PCM / AAC / HE-AAC / FLAC / Apple Lossless / AIFF / DSD
- **FM Tuner:** 108MHz
- **Quick Charge:** Yes
- **Waterproof:** IP68

**NW-A45**

- **Open Price**
- **Built-In Memory:** 8GB
- **Waterproof:** IP68
- **Menu Display:** Full color LCD
- **Audio Formats:** MP3 / WMA / Linear PCM / AAC / HE-AAC / FLAC
- **FM Tuner:** 108MHz
- **Quick Charge:** Yes
- **Waterproof:** IP68

**NWZ-B183F**

- **Open Price**
- **Built-In Memory:** 4GB
- **Waterproof:** IP68
- **Menu Display:** Full color LCD
- **Audio Formats:** MP3 / WMA / Arabic
- **FM Tuner:** 108MHz
- **Quick Charge:** Yes
- **Waterproof:** IP68

Notice: *Copyright protected files cannot be played back.*
WH-1000XM2
Open Price

- Personal NC Optimizer
- Ambient Sound Mode
- Quick Attention
- Auto Settings by analyzing your activity with the "Sony | Headphones Connect" app
- DSEE HX® enhances your compressed music to near high-resolution sound quality.
- Touch sensor control panel for easy operation.

XBA / h.ear Series

XBA-N3AP
Open Price

- Sound Space Control
- HD Hybrid Driver System
- Linear Drive Balanced Armature
- Dynamic driver unit with LCP diaphragm
- Brass sound path for clear High-Mid note
- Anti-vibration Housing

XBA-N1AP
Open Price

- HD Hybrid Driver System
- Linear Drive Balanced Armature
- Anti-vibration Housing

WF-1000X
Open Price

- Noise Cancelling
- Ambient Sound Mode imports ambient sounds and mixes them with music
- Auto Settings by behavior analyzing with the "Sony | Headphones Connect" app
- Charging case

Please refer to page 30 for product specifications.
**In-ear / Active Style Headphones**

- **MDR-XB80BS**
  - Open Price
  - Closed
  - Bluetooth
  - Built-in 3-button control and microphone for hands-free calling with HD Voice
  - Absolute secure-fit
  - EXTRA BASS sound for your performance

- **MDR-XB50BS**
  - Open Price
  - Closed
  - Comfortable, secure-fitting for your exercise
  - EXTRA BASS sound for your performance

- **MDR-XB55AP**
  - Open Price
  - Closed
  - Powerful Bass Sound with Bass Boost
  - In-line microphone for hands-free phone calls

- **WI-C300**
  - Open Price
  - Long music playback time (MAX. 8h)
  - One Touch Connect (NFC)
  - Built-in 3-button control and microphone for hands-free calling with HD Voice

- **MDR-AS210AP**
  - Open Price
  - Closed
  - Light weight, c-shaped design for easy use
  - Adapts to the shape of your ears

- **MDR-EX155AP**
  - Open Price
  - Closed
  - Small size, gorgeous sound

**Instruction Manual**

1. Instructions provided in English, Russian, Chinese (Traditional Chinese), and Korean.

2. Please refer to page 31 for product specifications.

**Sony High Quality Sound Headphones**

- **MDR-Z1R**
  - Open Price
  - 20mm driver units
  - Built-in 3-button control and microphone for hands-free calling with HD Voice
  - Quick Attention turns down the music and imports ambient sounds for conversation
  - DSEE HX upscales your compressed music to near high-resolution sound quality

- **MDR-Z7**
  - Open Price
  - 20mm Driver unit with Aluminum-coated Liquid Crystal Diaphragm with Magnesium dome
  - Compact and lightweight on-ear style for easy portability

- **WH-H900N**
  - Open Price
  - Voice Assist Function (Compatible with Google™ App and Siri®)
  - Voice Control with Google Assistant and Siri
  - Quick Attention turns down the music and imports ambient sounds for conversation

- **WH-H800**
  - Open Price
  - Premium quality headband-type headphones, adopt a new 70mm HD driver unit for faithful sound reproduction in Hi-Res audio

**Instruction Manual**

1. Instructions provided in English, Russian, Chinese (Traditional Chinese), and Korean.

2. Please refer to page 31 for product specifications.
**Over Head Band**

**MDR-XB650BT**
- Color: Black, Red, Blue, Green
- Open Price
- ```Delivers an overwhelming deep bass in a simple wireless design.
• One Touch Connect (NFC)
• Continuous battery life: Approx. 20 hours
• Charging time: Approx. 4 hours```

**MDR-XB950AP**
- Color: Black, Red, Blue, Green
- Open Price
- ```Delivers a formidable deep bass
• In-ear microphone for hands-free phone calls
• Durable and stylish design
• Built-in mic for hands-free calls
• 30mm driver units```

**MDR-ZX310**
- Color: Black, Blue
- Open Price
- ```High quality and powerful sound
• Enjoy clear mid and deep bass
• Easy to carry and with the ability to reduce unwanted ambient noise
• Continuous battery life: Approx. 8 hours```

**WH-CH500**
- Color: Black, Blue
- Open Price
- ```Continuous battery life: Approx. 20 hours
• One Touch Connect (NFC)
• Charging time: Approx. 4 hours```

**MDR-ZX110NC**
- Color: Black
- Open Price
- ```Easy to carry with the ability to reduce unwanted ambient noise
• Continuous battery life: Approx. 8 hours```

**WH-CH700N**
- Color: Black
- Open Price
- ```Choose from four listening styles including wireless and wired stereo
• Continuous battery life: Ng, 95 hours
• Charging time: Approx. 3 hours```

**MDR-ZX110**
- Color: Black, White
- Open Price
- ```High quality and powerful sound
• Lightweight for maximum comfort
• Easily connect to your music player```

**SRS-HG1**
- Color: Black, Red, Blue
- Open Price
- ```Delivers a formidable deep bass
• In-ear microphone for hands-free phone calls
• Durable and stylish design
• Built-in mic for hands-free calls```

**SRS-XB30**
- Color: Black, White
- Open Price
- ```Easy to carry with the ability to reduce unwanted ambient noise
• Continuous battery life: Approx. 8 hours```

**SRS-XB10**
- Color: Black, White
- Open Price
- ```Easy to carry with the ability to reduce unwanted ambient noise
• Continuous battery life: Approx. 8 hours```

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**Instructions Manual**

- SRS-HG1: Japanese / English / Arabic
- SRS-XB30 / XB10: Only Pictorial (不含说明书)
<table>
<thead>
<tr>
<th>Model Name</th>
<th>FDR-AX100</th>
<th>FDR-AXP55</th>
<th>HDR-J750</th>
<th>FDR-X3000/4000</th>
<th>HDR-AS300/3000</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Resolution</strong></td>
<td>4K [5,000 x 2,816]</td>
<td>4K [5,000 x 2,816]</td>
<td>High-Definition [1,920 x 1,080]</td>
<td>4K [5,000 x 2,816]</td>
<td>High-Definition [1,920 x 1,080]</td>
</tr>
<tr>
<td><strong>Image Sensor</strong></td>
<td>CMOS Sensor</td>
<td>CMOS Sensor</td>
<td>CMOS Sensor</td>
<td>CMOS Sensor</td>
<td>CMOS Sensor</td>
</tr>
<tr>
<td><strong>Image Processor</strong></td>
<td>Imaging Processor</td>
<td>Imaging Processor</td>
<td>Imaging Processor</td>
<td>Imaging Processor</td>
<td>Imaging Processor</td>
</tr>
<tr>
<td><strong>Still Image Max Effective</strong></td>
<td>21.0 Megapixels</td>
<td>14.2 Megapixels</td>
<td>16.6 Megapixels</td>
<td>8.57 Megapixels</td>
<td>8.57 Megapixels</td>
</tr>
<tr>
<td><strong>Video Format</strong></td>
<td>XAVC S 4K: 100Mbps / 60Mbps</td>
<td>XAVC S 4K: 100Mbps / 60Mbps</td>
<td>AVCHD: 2.1 Megapixels</td>
<td>XAVC S 4K: 100Mbps / 60Mbps</td>
<td>AVCHD: 2.1 Megapixels</td>
</tr>
<tr>
<td><strong>Mass (with Supplied Battery) (Approx.)</strong></td>
<td>1,030g</td>
<td>660g</td>
<td>380g</td>
<td>114g</td>
<td>109g</td>
</tr>
<tr>
<td><strong>Power Requirement</strong></td>
<td>Video: 14.6W, 2.2V (Max. 66W), 120V-240V, 50/60Hz</td>
<td>Video: 14.6W, 2.2V (Max. 66W), 120V-240V, 50/60Hz</td>
<td>Power: 8.4W, 16.6V, 0.5A</td>
<td>Video: 14.6W, 2.2V (Max. 66W), 120V-240V, 50/60Hz</td>
<td>Power: 8.4W, 16.6V, 0.5A</td>
</tr>
<tr>
<td><strong>Light Weight</strong></td>
<td>1.5 kg</td>
<td>0.9 kg</td>
<td>0.5 kg</td>
<td>0.3 kg</td>
<td>0.3 kg</td>
</tr>
<tr>
<td><strong>Battery Continuous Recording Time (Approx.)</strong></td>
<td>50 minutes</td>
<td>50 minutes</td>
<td>2 hours</td>
<td>50 minutes</td>
<td>50 minutes</td>
</tr>
<tr>
<td><strong>Battery Group</strong></td>
<td>Li-ion Battery Pack (NP-FV70A)</td>
<td>Li-ion Battery Pack (NP-FV70A)</td>
<td>-</td>
<td>Li-ion Battery Pack (NP-BX1)</td>
<td>-</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>121 x 104 x 274.5mm</td>
<td>121 x 104 x 274.5mm</td>
<td>121 x 104 x 274.5mm</td>
<td>121 x 104 x 274.5mm</td>
<td>121 x 104 x 274.5mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>910g</td>
<td>560g</td>
<td>330g</td>
<td>91g</td>
<td>86g</td>
</tr>
<tr>
<td><strong>Supplied Accessories</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Optional Accessories</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
### Flash Mode

闪光灯时，连拍速度会降低。

### Short Video Recording

录制短片时，可以使用与这些格式兼容的存储卡：

<table>
<thead>
<tr>
<th>Format</th>
<th>Compatible Cards</th>
</tr>
</thead>
<tbody>
<tr>
<td>XAVC S 4K</td>
<td>SDHC memory card / SDXC memory card / Memory Stick Micro (Mark2) / SD memory card / Memory Stick PRO Duo (High Speed)</td>
</tr>
<tr>
<td>XAVC S HD</td>
<td>SDHC memory card / SDXC memory card / Memory Stick Micro (Mark2) / Memory Stick PRO Duo (High Speed)</td>
</tr>
<tr>
<td>MP4</td>
<td>SDHC memory card / SDXC memory card / Memory Stick Micro (Mark2) / Memory Stick PRO Duo (High Speed)</td>
</tr>
<tr>
<td>AVCHD</td>
<td>SDHC memory card / SDXC memory card / Memory Stick Micro (Mark2) / Memory Stick PRO Duo (High Speed)</td>
</tr>
</tbody>
</table>

### Lens Construction

- camcorder: 1/1" Exmor R CMOS sensor with back-illuminated technology
- wide-angle: 16 mm with 35 mm (35 mm equivalent)
- focal length: 28 mm (35 mm equivalent)
- aperture: F2.8

### Effective Pixel Count

- still images: 12.2 million
- short videos: 12.2 million

### Shooting Mode (Still Image)

- Auto: iAuto (Intelligent Auto / Superior Auto) / Program Auto / Aperture Priority / Shutter Speed Priority / Manual Exposure / iAuto (Program Auto / Aperture Priority / Shutter Speed Priority / Manual Exposure) / Panorama / Scene Selection
- Manual: Aperture Priority (30" - 1/2,000)*2 / Manual Exposure (Bulb, 30" - 1/2,000)*2

### Focus Area

- Multi point AF (25 points)
- Focus Mode: Single-shot AF (AF - S) / Continuous AF (AF - C) / Auto Focus / Manual Focus

### Optical SteadyShot

- Electronic (electronic compensation, Anti Rolling type)

### White Balance Mode

- Auto / Daylight / Shade / Cloudy / Incandescent / Fluor (Warm White) / Fluor (Cool White) / Fluor (Day White) / Fluor (White) / Fluor (Cold Blue) / Fluor (Warm White) / Fluor (Blue) / Fluor (Blue Green) / Fluor (Cool Blue) / Fluor (Cold Blue) / Fluor (White) / Fluor (White Green) / Fluor (White Blue) / Fluor (White Blue Green)

### Image Size

- ISO 100: 3456 x 2592 pixels
- ISO 200: 3456 x 2592 pixels
- ISO 400: 3456 x 2592 pixels
- ISO 800: 3456 x 2592 pixels
- ISO 1600: 3456 x 2592 pixels
- ISO 3200: 3456 x 2592 pixels
- ISO 6400: 3456 x 2592 pixels
- ISO 12800: 3456 x 2592 pixels

### ISO

- AUTO: 0.4m - 10.2m (W) / 0.4m - 6.5m (T)
- Manual: Multi-Frame NR: ISO100-102400 (1EV step), (Extended to ISO80 / 100), 200 / 400 / 600 / 800 / 1600 / 3200 / 4000 / 5000 / 6400 / 8000 / 10000 / 12800 / 25600

### Viewfinder

- Viewfinder: 210 images / 105 min.
- Viewfinder: 370 images / 185 min.

### Power Source

- Rechargeable Battery Pack, AC Adaptor, Micro USB Cable, Wrist Strap, Strap Adapter

### Screen

- 3.5" Touch Panel LCD (Xtra-Fine)
- 1440 x 2880 pixels
- 1920 x 1080 pixels
- 1280 x 720 pixels

### Memory Sticks

- Memory Stick Micro (Mark2)*8 / Memory Stick Duo / Memory Stick PRO Duo / Memory Stick PRO-HG Duo / Memory Stick Micro*8 / Memory Stick PRO Duo / Memory Stick Micro (Mark2)*8

### MicroSD Cards

- microSDXC memory card*8*9

### USB

- USB 2.0
- USB 3.0
- HDMI Type A (High Speed)

### HDMI Cables

- HDMI Type C to HDMI Type A

### Audio

- Headphones / Microphone (3.5 mm Stereo minijack), Multi Interface Shoe

### Movie Recording

- Movie Recording Modes: 16M (1,920 x 1,080 / 30p) / 6M (1,280 x 720 / 30p)
- XAVC S HD: 50p 50M (1,920 x 1,080 / 50p) / 24M FX (1,920 x 1,080 / 50i) / 24M FX (1,920 x 1,080 / 24p)
- MP4: 28M (1,920 x 1,080 / 60p) / 16M (1,920 x 1,080 / 30p)
- AVCHD: 28M PS (1,920 x 1,080 / 50p)
- MP4: 12M (1,440 x 1,080 / 30fps)
- AVCHD: 17M FH (1,920 x 1,080 / 60i) / 17M FH (1,920 x 1,080 / 50i) / 24M FX (1,920 x 1,080 / 24p)
- 24p 50M (1,920 x 1,080 / 24p) / 60p 25M (1,920 x 1,080 / 60p)
- AVCHD: 25p 50M (1,920 x 1,080 / 25p)
- 3M VGA (640 x 480 / 30fps)
- AVCHD: 3M VGA (640 x 480 / 25fps)

### Additional Features

- Smile Shutter / Shutter Priority / Aperture Priority / Manual Exposure / Program Auto / Manual Focus / Focus Mode: Multi Point AF / Focus Area: Multi point AF (25 points)
- Multi Frame NR: Auto (ISO125-12800), 200 / 400 / 800 / 1600 / 3200 / 4000 / 5000 / 6400 / 8000 / 10000 / 12800
- Aperture Priority (30" - 1/2,000)*2 / Manual Exposure (Bulb, 30" - 1/2,000)*2
- iAuto (4" - 1/2,000)*1 / Program Auto (1" - 1/2,000)*1 / Aperture Priority (8" - 1/2,000)*2 / Shutter Speed Priority (8" - 1/2,000)*2
- Multi Frame NR: ISO100-102400 (1EV step), (Extended to ISO80 / 100), 200 / 400 / 800 / 1600 / 3200 / 4000 / 5000 / 6400 / 8000 / 10000 / 12800
- Electronic (electronic compensation, Anti Rolling type)
- Optical SteadyShot (electronic compensation, Anti Rolling type)
- Optical SteadyShot (electronic compensation, Anti Rolling type)
- Optical SteadyShot (optical compensation, Anti Rolling type)
- Optical SteadyShot (optical compensation, Anti Rolling type)
## Interchangeable Lens Digital Camera Specifications

### Digital Camera Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>ILCE-3</th>
<th>ILCE-7RM2/7RM2KITILCE-7RM3/7RM3KIT</th>
<th>ILCE-5100L</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Interchangeable lens digital camera</td>
<td>Interchangeable lens digital camera</td>
<td>Interchangeable lens digital camera</td>
</tr>
<tr>
<td><strong>Version</strong></td>
<td>T0</td>
<td>T2</td>
<td>T3</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>(宽x高x深) (仅机身)(约)</td>
<td>(宽x高x深) (仅机身)(约)</td>
<td>(宽x高x深) (仅机身)(约)</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>Flash</td>
<td>Interface</td>
<td>Finder</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Finder</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Index</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td><strong>Connectivity</strong></td>
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<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Video</strong></td>
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<td>-</td>
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</tr>
<tr>
<td><strong>Audio</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Software</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Optical Filter and Image Sensor

- **Image Sensor**: XGA RS CMOS Sensor
- **System**: 35mm full frame (35.9×24.0mm), Exmor R CMOS Sensor

### Type

- **Lens structure**
- **Focus Mode**
- **Movie Mode**
- **FF Mode**

### Dynamic Range Functions

- **Flash Mode**
- **AF Mode**
- **AF Area**

### Image Quality Modes

- **Picture Effect**: Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, B/W

### Display Information

- **HD Output**: 3,840 x 2,160 (30p / 24p)

### Memory Sticks

- **Memory Stick PRO Duo**
- **Memory Stick PRO-HG Duo**
- **Memory Stick XC-HG Duo**

### SD memory cards

- **SD memory card**
- **SDHC memory card**
- **microSDXC memory card**

### Interface

- **HDMI micro connector (Type-D)**
- **USB Type-C**
- **microUSB**

### LCD Monitor

- **Screen information**: 2.359,296 dots, 1,440,000 dots

### Digital Camera Specifications

- **Image Size**: 3,008 x 2,000 (6.0M), 1,968 x 1,312 (2.6M)

### Movie Specifications

- **Movie**: 75 min. (LCD monitor)

### Memory Card

- **UHS Speed Class 3 (U3)**
- **Class 4 or higher**

### Lens Specifications

<table>
<thead>
<tr>
<th>Lens Model</th>
<th>SEL16F80</th>
<th>SEL16F28</th>
<th>SEL24F18Z</th>
<th>SEL55F18Z</th>
<th>SEL70330F49</th>
<th>SEL35F18</th>
<th>SEL100400E</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Focal length</strong></td>
<td>16-50mm</td>
<td>24-70mm</td>
<td>100-400mm</td>
<td>35mm-105mm</td>
<td>35-300mm</td>
<td>35mm-105mm</td>
<td>18-200mm</td>
</tr>
<tr>
<td><strong>Aperture</strong></td>
<td>f/3.5-6.3</td>
<td>f/3.5-5.6</td>
<td>f/4.5-6.3</td>
<td>f/4.5-5.6</td>
<td>f/3.5-5.6</td>
<td>f/3.5-4.5</td>
<td>f/3.5-5.6</td>
</tr>
<tr>
<td><strong>Minimum Focus Distance</strong></td>
<td>0.25m</td>
<td>0.35m</td>
<td>0.35m</td>
<td>0.35m</td>
<td>0.45m</td>
<td>0.5m</td>
<td>0.5m</td>
</tr>
<tr>
<td><strong>Filter Diameter</strong></td>
<td>62mm</td>
<td>62mm</td>
<td>62mm</td>
<td>62mm</td>
<td>62mm</td>
<td>62mm</td>
<td>62mm</td>
</tr>
<tr>
<td><strong>Waterproof</strong></td>
<td>IPX4</td>
<td>IPX4</td>
<td>IPX4</td>
<td>IPX4</td>
<td>IPX4</td>
<td>IPX4</td>
<td>IPX4</td>
</tr>
</tbody>
</table>

### Portability

- **Size**: 126.9 x 95.6 x 62.7mm (from grip to monitor)
- **Weight**: 519g (Body only)

### Main Features

- **Still images**: 3,686,400 dots
- **Movie**: 70 min. (Viewfinder) / 75 min. (LCD monitor)
- **Battery Life**: (Approx.)
- **Data format**: XAVC S*/ AVCHD format Ver. 2.0 compliant / MP4

### Specifications

- **Imaging Sensor**: 24.2 megapixels (effective), 24.7 megapixels (total)
- **ISO**: 100 - 51,200 (Recommended: 50 - 25,600)
- **Video Format**: XAVC S 4K: [PAL] 3,840 x 2,160 (25p)
- **Video Output**: XAVC S 4K: [PAL] 3,840 x 2,160 (25p)

---

*x* represents dimensions in millimeters. **Y** represents dimensions in inches.
### Walkman Specifications

<table>
<thead>
<tr>
<th>Model Name</th>
<th>NW-WM1Z</th>
<th>NW-WM1A</th>
<th>NW-A45</th>
<th>NW-W563SW</th>
<th>NW-W563WS</th>
<th>NW-E304</th>
<th>NW-ZX1ESF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Capacity</td>
<td>2000mAh</td>
<td>2000mAh</td>
<td>2000mAh</td>
<td>2000mAh</td>
<td>2000mAh</td>
<td>2000mAh</td>
<td>2000mAh</td>
</tr>
<tr>
<td>Volume Control</td>
<td>Built-in</td>
<td>Built-in</td>
<td>Built-in</td>
<td>Built-in</td>
<td>Built-in</td>
<td>Built-in</td>
<td>Built-in</td>
</tr>
<tr>
<td>Bluetooth®</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Power Output</td>
<td>50mW</td>
<td>50mW</td>
<td>50mW</td>
<td>50mW</td>
<td>50mW</td>
<td>50mW</td>
<td>50mW</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>20 Hz to 20,000 Hz</td>
<td>20 Hz to 20,000 Hz</td>
<td>20 Hz to 20,000 Hz</td>
<td>20 Hz to 20,000 Hz</td>
<td>20 Hz to 20,000 Hz</td>
<td>20 Hz to 20,000 Hz</td>
<td>20 Hz to 20,000 Hz</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>110 x 72 x 18 mm</td>
<td>110 x 72 x 18 mm</td>
<td>110 x 72 x 18 mm</td>
<td>110 x 72 x 18 mm</td>
<td>110 x 72 x 18 mm</td>
<td>110 x 72 x 18 mm</td>
<td>110 x 72 x 18 mm</td>
</tr>
<tr>
<td>Mass (with batteries)</td>
<td>150 g</td>
<td>150 g</td>
<td>150 g</td>
<td>150 g</td>
<td>150 g</td>
<td>150 g</td>
<td>150 g</td>
</tr>
<tr>
<td>USB Cable</td>
<td>Included</td>
<td>Included</td>
<td>Included</td>
<td>Included</td>
<td>Included</td>
<td>Included</td>
<td>Included</td>
</tr>
<tr>
<td>Microphone</td>
<td>Built-in</td>
<td>Built-in</td>
<td>Built-in</td>
<td>Built-in</td>
<td>Built-in</td>
<td>Built-in</td>
<td>Built-in</td>
</tr>
<tr>
<td>Recordable time (Audio)</td>
<td>Max. 35 Hours</td>
<td>Max. 28 Hours</td>
<td>Max. 24 Hours</td>
<td>Max. 20 Hours</td>
<td>Max. 1043h</td>
<td>Max. 4175h</td>
<td>Max. 87h</td>
</tr>
<tr>
<td>Recordable time (Video)</td>
<td>Max. 30 Hours</td>
<td>Max. 30 Hours</td>
<td>Max. 25 Hours</td>
<td>Max. 20 Hours</td>
<td>Max. 50h</td>
<td>Max. 200h</td>
<td>Max. 104h</td>
</tr>
</tbody>
</table>

**Battery Charging Time:**
- Max. 4.5 hours for the supplied USB cable
- Max. 3 hours for an AC power supply

### Photo Play Mode

- **USB-based Charging Time (Approx.)**
- **Photo Play Mode**
- **Music Play Mode**
- **Audio Formats (Codec)**
- **Bluetooth®**

**Model Name**
- NW-WM1Z
- NW-WM1A
- NW-A45
- NW-W563SW
- NW-W563WS
- NW-E304
- NW-ZX1ESF

**Interface**
- USB

**Effective Range**
- 2.4GHz band (2.4000GHz-2.4835GHz)

**Frequency Range (Audio)**
- 20 Hz to 20,000 Hz

**Supported Audio Format (s)**
- SBC / AAC / aptX / aptX HD / LDAC

**Supported Control Protocol**
- A2DP (Audio File Transmission Profile)
- AVRCP (Audio/Video Remote Control Profile)
- HFP (Hands-Free Profile)

**Supported Content Protection**
- Clear Phase / DC Phase Linearizer
- Built-in Rechargeable lithium-ion Battery

### International shortwave broadcast receive Specifications

<table>
<thead>
<tr>
<th>Model Name</th>
<th>ICF-SW2000GR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>150kHz to 22,000kHz</td>
</tr>
<tr>
<td>Power Output</td>
<td>1000W</td>
</tr>
<tr>
<td>Battery</td>
<td>12V, 60Ah</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1100 x 710 x 230mm</td>
</tr>
</tbody>
</table>

### Sony’s 1000X Series Specifications

#### 索尼的1000X系列规格

<table>
<thead>
<tr>
<th>Model Name</th>
<th>WH-1000XAB</th>
<th>WH-1000X</th>
<th>WF-1000X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Capacity</td>
<td>1000mAh</td>
<td>1000mAh</td>
<td>1000mAh</td>
</tr>
<tr>
<td>Battery Charging Time</td>
<td>Max. 2h</td>
<td>Max. 2h</td>
<td>Max. 2h</td>
</tr>
<tr>
<td>Power Output</td>
<td>10mW</td>
<td>10mW</td>
<td>10mW</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>20 Hz to 20,000 Hz</td>
<td>20 Hz to 20,000 Hz</td>
<td>20 Hz to 20,000 Hz</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>110 x 72 x 18 mm</td>
<td>110 x 72 x 18 mm</td>
<td>110 x 72 x 18 mm</td>
</tr>
<tr>
<td>Mass (with batteries)</td>
<td>150 g</td>
<td>150 g</td>
<td>150 g</td>
</tr>
<tr>
<td>USB Cable</td>
<td>Included</td>
<td>Included</td>
<td>Included</td>
</tr>
<tr>
<td>Microphone</td>
<td>Built-in</td>
<td>Built-in</td>
<td>Built-in</td>
</tr>
<tr>
<td>Recordable time (Audio)</td>
<td>Max. 30 Hours</td>
<td>Max. 30 Hours</td>
<td>Max. 35 Hours</td>
</tr>
<tr>
<td>Recordable time (Video)</td>
<td>Max. 3 Hours</td>
<td>Max. 3 Hours</td>
<td>Max. 3 Hours</td>
</tr>
</tbody>
</table>

**Supported Control Protocol**
- A2DP (Audio File Transmission Profile)
- AVRCP (Audio/Video Remote Control Profile)
- HFP (Hands-Free Profile)

**Supported Content Protection**
- Clear Phase / DC Phase Linearizer
- Built-in Rechargeable lithium-ion Battery

### Shortwave Reception Frequencies for each Model

<table>
<thead>
<tr>
<th>Model Name</th>
<th>WH-1000XAB</th>
<th>WH-1000X</th>
<th>WF-1000X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>120kHz to 200kHz</td>
<td>120kHz to 200kHz</td>
<td>120kHz to 200kHz</td>
</tr>
<tr>
<td>Power Output</td>
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<td>1000W</td>
<td>1000W</td>
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<tr>
<td>Battery</td>
<td>12V, 60Ah</td>
<td>12V, 60Ah</td>
<td>12V, 60Ah</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1100 x 710 x 230mm</td>
<td>1100 x 710 x 230mm</td>
<td>1100 x 710 x 230mm</td>
</tr>
<tr>
<td>Mass (with batteries)</td>
<td>150 g</td>
<td>150 g</td>
<td>150 g</td>
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<tr>
<td>USB Cable</td>
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<td>Included</td>
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<td>Microphone</td>
<td>Built-in</td>
<td>Built-in</td>
<td>Built-in</td>
</tr>
<tr>
<td>Recordable time (Audio)</td>
<td>Max. 30 Hours</td>
<td>Max. 30 Hours</td>
<td>Max. 30 Hours</td>
</tr>
<tr>
<td>Recordable time (Video)</td>
<td>Max. 3 Hours</td>
<td>Max. 3 Hours</td>
<td>Max. 3 Hours</td>
</tr>
</tbody>
</table>

**Supported Control Protocol**
- A2DP (Audio File Transmission Profile)
- AVRCP (Audio/Video Remote Control Profile)
- HFP (Hands-Free Profile)

**Supported Content Protection**
- Clear Phase / DC Phase Linearizer
- Built-in Rechargeable lithium-ion Battery

### Headphones Specifications

<table>
<thead>
<tr>
<th>Model Name</th>
<th>WH-H700</th>
<th>MDR-XB50BS</th>
<th>WH-500D</th>
<th>WH-EX700</th>
<th>WH-C700</th>
<th>WH-H500</th>
<th>MDR-XB50BSD</th>
<th>WH-CH700N</th>
<th>WH-CH500</th>
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<td>20Hz to 20kHz</td>
<td>20Hz to 20kHz</td>
<td>20Hz to 20kHz</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Max. 7h</td>
<td>Max. 7h</td>
<td>Max. 7h</td>
<td>Max. 7h</td>
<td>Max. 7h</td>
<td>Max. 7h</td>
<td>Max. 7h</td>
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<tr>
<td>Microphone</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Supported Control Protocol**
- A2DP (Audio File Transmission Profile)
- AVRCP (Audio/Video Remote Control Profile)
- HFP (Hands-Free Profile)

**Supported Content Protection**
- Clear Phase / DC Phase Linearizer
- Built-in Rechargeable lithium-ion Battery

### IC Recorder Rec Tim (Pages)

<table>
<thead>
<tr>
<th>Model Name</th>
<th>ICF-SW2000GR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Band</td>
<td>120kHz to 200kHz</td>
</tr>
<tr>
<td>Power Output</td>
<td>1000W</td>
</tr>
<tr>
<td>Battery</td>
<td>12V, 60Ah</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1100 x 710 x 230mm</td>
</tr>
<tr>
<td>Mass (with batteries)</td>
<td>150 g</td>
</tr>
<tr>
<td>USB Cable</td>
<td>Included</td>
</tr>
<tr>
<td>Microphone</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Striving to achieve a zero environmental footprint

Sony Road to Zero Environmental Plan

The zero in Road to Zero means a zero environmental footprint. This is the ultimate goal of our environmental plan, which inspires innovative thinking and technology. To put Sony firmly on the road to zero, environmental goals are based on these four perspectives.

Visit Sony Overseas Models Website

Please access to Sony Overseas Models website for product information, shop locations, and support & service for products purchased.

Safety Cautions

To ensure correct use of this product, read the “Instruction Manual” prior to use. Failure to follow all safeguards can result in fire, electric shock, or other accidents. Do not use headphones while driving and cycling, etc.

Backup recommended

Please be aware of the possibility of unforeseen camera or recording medium errors. These may mean that you can no longer take photos and videos or, due to data destruction or disappearance, may make playback of recorded data impossible. We therefore recommend that you regularly back up valuable recorded content.

Sony Corporation
Sony Marketing (Japan) Inc.
1-7-1 Konan Minato-ku, Tokyo, 108-0075 Japan

Sony Customer Information Center Japan

For information about how to purchase or use our products, and for other assistance, please call our Customer Hotline.

Free Dial 0120-777-886

Mobile/PHS phone callers please dial 050-3754-9555

Sony Showroom

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Tel: 03-3573-5307

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