Notes on Use

Before Use
- Do not introduce any cable into the housing.
- Do not use any cable that has been pulled out of its holder.
- Remove static electricity before installation and operation.

Usage
- You should be able to read the image or audio you are monitoring on the TV screen.
- You may use the buttons to adjust the lens' focus.
- Use the two buttons to adjust lens' zoom.

Power Supply
- Use the plug that is 11.8 mm or smaller in diameter.

Installation Manual

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

WARNING

To avoid electrical shock, do not open the cabinet. Before servicing or qualified personnel.

CAUTION

This installation should be made by a qualified technician and should conform to local codes.

CAUTION FOR LAN port
- As a safety measure, do not connect any apparatus to the network that exceeds the practical range.

Power Supply
- Use the plug that is 11.8 mm or smaller in diameter.

For customers in the U.S.A. and Canada

FCC Rules.

For customers in Canada

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

For customers in the U.S.A.

This apparatus is intended to be supplied by a UL listed Class 2 Power Supply.

Network Camera

Sony Network Camera SNC-CH160

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Installation Manual

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Caution for U.S.A. and Canada

Use IEEE802.3af standard compliant devices.

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Caution for U.S.A. and Canada

Use IEEE802.3af standard compliant devices.
### Installation

- **When ZOOM/FOCUS switch slides to N/F**
  - When ZOOM/FOCUS switch slides to N/F or when the lens is adjusted, the lens may be loosened. Be careful not to lose the lens. The required mounting screws differ depending on the installation location and the lens used. (Mounting screws are not supplied.)

- **When ZOOM/FOCUS switch slides to W/T**
  - The stand is loosened. Be careful not to lose the stand. The required mounting screws differ depending on the installation location and the lens used. (Mounting screws are not supplied.)

- **Horizontal marker**
  - The horizontal mark is a solid line. The lens position is adjusted using the horizontal marker.

- **Vertical marker**
  - The vertical mark indicates the approximate focus position.

### Deciding the Installation Location of the Camera

When deciding the direction in which the camera will shoot, mark the required focus area on the first sheet of graph paper. Then decide the four mounting hole positions to install the camera stand.

### Mounting screws

- **Mounting screws**
  - The mounting screws are used to mount the camera to the stand. The required mounting screws differ depending on the installation location and the lens used. (Mounting screws are not supplied.)

### Installing the Camera

1. **Mount the camera on the ceiling**
   - (For the details, please consult the store of purchase or an authorized Sony dealer.)

2. **Install the camera on the ceiling**
   - (For the details, please consult the store of purchase or an authorized Sony dealer.)

3. **Connect the camera to the network**
   - (For the details, please consult the store of purchase or an authorized Sony dealer.)

### Adjusting the Camera Direction and Coverage

1. **Install the camera on its stand**
   - (For the details, please consult the store of purchase or an authorized Sony dealer.)

2. **Install the camera on its stand**
   - (For the details, please consult the store of purchase or an authorized Sony dealer.)

3. **Install the camera on its stand**
   - (For the details, please consult the store of purchase or an authorized Sony dealer.)

### Adjusting the Camera Direction

- **Camera mounting screw (supplied)**
  - Make sure that the camera is mounted securely to the camera stand.

### Adjusting the Camera Focus

- **Camera mounting screw (supplied)**
  - Make sure that the camera is mounted securely to the camera stand.

### Adjusting the Camera Height

- **Camera mounting screw (supplied)**
  - Make sure that the camera is mounted securely to the camera stand.

### Adjusting the Camera Angle

- **Camera mounting screw (supplied)**
  - Make sure that the camera is mounted securely to the camera stand.

### Connecting to the Network

Connect the camera to the network using the supplied network cable.

### Connecting to a Computer

Connect the camera to the network using a computer and a network cable.

### Connecting the Power Source

There are two ways to connect the power supply to the camera:

- **Power supply equipment pursuant to IEEE802.3af PoE system (PoE+)**
  - Power supply equipment pursuant to IEEE802.3af PoE system (PoE+) must be used if the camera is to be powered by a PoE+ class 2 Power Supply only.

### Connecting to the Power Supply Equipment pursuant to IEEE802.3af

- **Power supply equipment pursuant to IEEE802.3af**
  - Power supply equipment pursuant to IEEE802.3af is available for use. (For details, please consult the store of purchase or an authorized Sony dealer.)

### Connecting the Camera to the I/O Cable

Connect the camera to the I/O cable as follows:

### Wiring diagram for sensor input

#### Mechanical switch/open collector output device

**Camera inside**

- **Screw**
  - Use an M4 × 6 screw to attach the camera.

**Camera outside**

- **Screw**
  - Use an M4 × 6 screw to attach the camera.

### Specifications

#### Compression

- **Compression**
  - JPEG: 1/4, 1/5, 1/10 frame rate

- **Sensor**
  - Image device: 1/3 type CMOS (Exmor)
  - Lens: F1.2/AGC 42 dB/50 IRE (IP)

- **IR LED**
  - IR LED: 21 pcs

- **Storage**
  - Storage temperature: –20°C to +60°C (–4°F to +140°F)

- **Working**
  - Working temperature: –30°C to +50°C

### Mechanical switch/open collector output device

- **Camera inside**
  - Approx. 3,270,000

### Camera inside

- **Approx. 1,390,000**

### Camera outside

- **Approx. 1,390,000**

### Dimensions (camera body)

- **Approx. 1.52 kg (3 lb 5.6 oz)**

### Dimensions (Display unit)

- **Approx. 37.2 (W) × 37.2 (H) × 139.5 (D) mm (1.46 × 1.46 × 5.48 inch)**

### Approximate zoom position

- **Approx. 60.7 (W) × 60.7 (H) mm (2.39 × 2.39 inch)**

### Approximate focus position

- **Approx. 60.7 (W) × 60.7 (H) mm (2.39 × 2.39 inch)**

### Power supply equipment pursuant to IEEE802.3af

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