Notes on Use
Before Use
- Use power supply when you open the package, turn on the power after the combination stops.

Data and security
- Since the network-based type, this is SONY iVMS-3200 viewer software is included in the system.
- SONY is not responsible for the damage if you use any other software.

Access to the images and operating policies only, and you are with the password you set. If not further authorization is not provided, we are not responsible for any damage or loss of data.

A screw or blind nut is used to access the images. Thus, it is advisable to consult qualified personnel for repairs.

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.

CAUTION
- This equipment is designed to be made up a qualified person and should not be placed on buildings.

WARNING (for Installations only)
- Instructions for installing the equipment on the ceiling.

WARNING (For Canada)
- This Class A digital apparatus complies with Canadian ICES-003.

Phenomena Specific to Image Sensors
The phenomenon that occurs in image sensors are specific to image sensors. They affect the image quality, but the impact is usually minimal.

- White Flakes
- A reddish or greenish color is observed when sensor images are captured in low-light conditions.

- Hogs
- One or more vertical stripes appear on the image.

- Vertical smear
- Data and security
- If you lose data by using this unit, SONY accepts no responsibility for data that you store in this product.

Notes on Voice
- CAUTION
- For LAN port
- USB connector (USB 2.0 Type A)
- Use a USB power supply which is U.L. listed (U.S.A) or CUL certified (Canada).

Power Supply
- The power supply applied is 100 to 240 Vac, 50 or 60 Hz, 8.0W (max).

Camera Connections
- Use a USB power supply 24 V AC which meets the requirements for 24 V AC power supply equipment (IEC60664-1) and complies with limited Power Source according to EN60950-1.

About the User's Manual
- The User's Manual describes how to set up the camera and controls the camera via a Web browser.

- SNC-ZP550/SP550

Overview
- This product is equipped with Smartphone viewer.

Location and Function of Part
- Camera (network port (SP-40))
-Lens
- Power supply
- Network connection change switch (SNC-P100/SP100)
- Lens
- SNC-ZP550/SP550
- Vertical smear
-phenomena
- Data and security
-phenomena
- Data and security
-phenomena
- Data and security

For the customers in Europe
- The device complies with Part 15 of the FCC Rules. 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.

- NOTE
- 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.

- The 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.

- The equipment may be safely installed in an environment that is free of interference, including normal interference generated by the equipment itself.

For the customers in Canada
- This device complies with Industry Canada's ICES-003 standards.

Camera Specifications Table
- Camera model: SNC-ZP550/SP550

Environmental and Safety Information
- Use this switch to change between a connection to a LAN (network port (SP-40)) and a network connection using a coaxial cable.

- Note when connecting the unit to the power supply unit which meets the following: (1) when you have raised the gain setting (sensitivity), this phenomenon may also appear.

- Use this port to output composite video signals from this unit. When using this port, the power source is automatically supplied to other equipment.

- This slot is used for an optional SD memory card.

- Avoid operating or storing the camera in the following locations.

- Use this switch to change between a connection to a LAN (network port (SP-40)) and a network connection using a coaxial cable.

- This slot is used for an optional SD memory card.

- Avoid using volatile solvents such as alcohol, benzene or thinners as they may damage the surface of the camera.

- Do not connect a laser beam device to this port. Laser beams may damage image sensors. You are cautioned that the surface of the camera may be damaged or the image sensors may be burned.

- Do not touch or move the camera while the SD Memory Card is being accessed.

- Be careful not to scratch the image sensors when you change the settings.

- Be careful not to scratch the image sensors when you change the settings.

- Make sure the memory card is inserted correctly.

- Use this port to output composite video signals from this unit. When using this port, the power source is automatically supplied to other equipment.

- Be careful not to scratch the image sensors when you change the settings.

- Avoid using volatile solvents such as alcohol, benzene or thinners as they may damage the surface of the camera.

- Do not touch or move the camera while the SD Memory Card is being accessed.

- Be careful not to scratch the image sensors when you change the settings.

- Make sure the memory card is inserted correctly.

- Use this port to output composite video signals from this unit. When using this port, the power source is automatically supplied to other equipment.

- Avoid using volatile solvents such as alcohol, benzene or thinners as they may damage the surface of the camera.

- Do not touch or move the camera while the SD Memory Card is being accessed.

- Be careful not to scratch the image sensors when you change the settings.

- Make sure the memory card is inserted correctly.

- Use this port to output composite video signals from this unit. When using this port, the power source is automatically supplied to other equipment.
How to install

1. Decide the direction in which the camera will shoot, before making holes for device mounting. The recommended cable length is 49.2 ft (15 m).

2. Decide the device mounting location and cable length. The AC power cable is not supplied.

Installation

- Do not grasp the camera head when carrying the camera.
- Do not turn the camera head manually. Doing so will likely result in the camera manufacturing.
- Turn off the power of the camera before installing it.

Install the camera on a horizontal place. If you have to install the camera to an inclined place, make sure that the unit is not turned over. Special caution is necessary when you place the camera on the desk top, use the E.flip function.

Connecting a camera to the ceiling

Using the suitable ceiling bracket to install the camera. The ceiling bracket is attached to the camera unit. Remove the ceiling bracket before installing the camera.

- Align the triangular mark face to the connector when using the fan-shaped ceiling bracket.

Connecting the I/O cable


Camera

- Pan Tilt SNC-ER580/ER550/ER521/ER520/ZR550: 360°, 210°
- Lens SNC-EP580/EP550/EP521/EP520/ZP550: f=3.5 to 98.0 mm (3.6 to 98.0 mm)
- Video S/N 50 dB (Gain 0 dB)
- Frame rate 30 fps
- Video compression format JPEG/MPEG4/H.264
- USB (Hi-Speed)
- Network interface IEEE802.3at (HPoE system)
- Ethernet port 100BASE-TX/10BASE-T
- Input Audio: Minijack (monaural)
- Microphone input Minijack (monaural)
- SD memory card slot
- i.LINK (HDSDI) port
- Built-in wire rope
- 120°
- ø40 (1)
- ø40 (3)
- Dimensions (Diameter/Height) 190.9 (7 3/8 inches) or more is necessary.
- Recommended power cable
- Recommended cable power 24 V AC
- Connecting the power supply equipment pursuant to IEC60950-1
- The power supply equipment pursuant to IEC60950-1 supplies the power through the I/O cable. For details, refer to the Instruction Manual of the equipment.

Connecting the L/O cable

Wiring diagram for sensor input

Wiring diagram for alarm output

Specifications

Camera

- White: 0.01 lx (Gain 0 dB) @ f=3.5 mm (59 lux)
- White: 0.015 lx (Gain 0 dB) @ f=98.0 mm (870 lux)
- White: 0.001 lx (Gain 0 dB) @ f=3.5 mm (80 lux)
- White: 0.0015 lx (Gain 0 dB) @ f=98.0 mm (670 lux)
- White: 0.0001 lx (Gain 0 dB) @ f=3.5 mm (60 lux)
- White: 0.00015 lx (Gain 0 dB) @ f=98.0 mm (570 lux)
- White: 0.00001 lx (Gain 0 dB) @ f=3.5 mm (50 lux)
- White: 0.000015 lx (Gain 0 dB) @ f=98.0 mm (45 lux)
- White: 0.000001 lx (Gain 0 dB) @ f=3.5 mm (40 lux)
- White: 0.0000015 lx (Gain 0 dB) @ f=98.0 mm (37 lux)
- White: 0.0000001 lx (Gain 0 dB) @ f=3.5 mm (35 lux)
- White: 0.00000015 lx (Gain 0 dB) @ f=98.0 mm (32 lux)
- White: 0.00000001 lx (Gain 0 dB) @ f=3.5 mm (31 lux)
- White: 0.000000015 lx (Gain 0 dB) @ f=98.0 mm (28 lux)
- White: 0.000000001 lx (Gain 0 dB) @ f=3.5 mm (26 lux)
- White: 0.0000000015 lx (Gain 0 dB) @ f=98.0 mm (25 lux)
- White: 0.0000000001 lx (Gain 0 dB) @ f=3.5 mm (24 lux)
- White: 0.00000000015 lx (Gain 0 dB) @ f=98.0 mm (22 lux)
- White: 0.00000000001 lx (Gain 0 dB) @ f=3.5 mm (20 lux)
- White: 0.000000000015 lx (Gain 0 dB) @ f=98.0 mm (19 lux)
- White: 0.000000000001 lx (Gain 0 dB) @ f=3.5 mm (18 lux)
- White: 0.0000000000015 lx (Gain 0 dB) @ f=98.0 mm (16 lux)
- White: 0.0000000000001 lx (Gain 0 dB) @ f=3.5 mm (16 lux)
- White: 0.00000000000015 lx (Gain 0 dB) @ f=98.0 mm (15 lux)
- White: 0.00000000000001 lx (Gain 0 dB) @ f=3.5 mm (15 lux)
- White: 0.000000000000015 lx (Gain 0 dB) @ f=98.0 mm (14 lux)
- White: 0.000000000000001 lx (Gain 0 dB) @ f=3.5 mm (14 lux)
- White: 0.0000000000000015 lx (Gain 0 dB) @ f=98.0 mm (13 lux)
- White: 0.0000000000000001 lx (Gain 0 dB) @ f=3.5 mm (13 lux)
- White: 0.00000000000000015 lx (Gain 0 dB) @ f=98.0 mm (12 lux)
- White: 0.00000000000000001 lx (Gain 0 dB) @ f=3.5 mm (12 lux)
- White: 0.000000000000000015 lx (Gain 0 dB) @ f=98.0 mm (11 lux)
- White: 0.000000000000000001 lx (Gain 0 dB) @ f=3.5 mm (11 lux)
- White: 0.0000000000000000015 lx (Gain 0 dB) @ f=98.0 mm (10 lux)

Design and specifications are subject to change without notice.