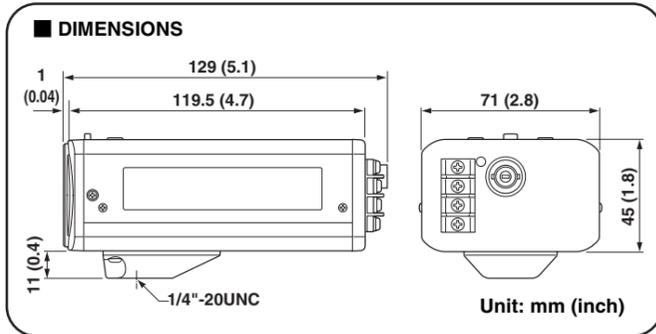


**SANYO****INSTRUCTION MANUAL****VCC-W8775P**  
**VCC-W8774****Wide Dynamic Range Camera****About this manual**

- Before installing and using the camera, please read this manual carefully. Be sure to keep it handy for later reference.
- This manual covers two models. Any difference between the two models is indicated when necessary.



 Iridix technology is provided by Apical Limited, UK.

**SPECIFICATIONS**

Scanning system	: <b>VCC-W8775P:</b> PAL standard 625 lines, 50 fields/sec. <b>VCC-W8774:</b> NTSC standard 525 lines, 60 fields/sec.
Image sensor	: 1/3" progressive CMOS
Number of effective pixels	: 800 (H) x 600 (V)
Horizontal resolution	: 550 TV lines typical
Minimum illumination	: Approx. 0.8 lx (F 1.2)
Video output	: 1.0 V(p-p)/75 Ω, composite, BNC
Video S/N ratio	: More than 48 dB (AGC off: More than 50 dB)
Light control	: Optical auto iris lens/Electronic iris (indoor use)
Auto iris lens drive	: DC
Lens mount	: CS mount
Flange back	: 12.5 mm ± 0.5 mm / 0.5 in. ± 0.02 in. adjustment
Menu	: On screen display
Wide dynamic range	: ON (65 dB typical)/OFF
Backlight compensation	: OFF/ON (Center zone metering)
White balance	: ATW/Manual
Gain control	: Normal/High/OFF
Electronic shutter	: <b>VCC-W8775P:</b> 1/50, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec. <b>VCC-W8774:</b> 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec.
Aperture compensation	: Normal/High/Low/OFF
Sync system	: Internal sync/Line lock
Camera title	: OFF/ON, Up to 16 characters, adjustable title position
Digital noise reduction	: ON (1, 2)/OFF
Operating environment	: Temperature: -10°C - +50°C (14°F - 122°F) Humidity: less than 90 % RH (no condensation)
Power supply	: <b>VCC-W8775P:</b> 24 V AC ±10%, 50 Hz/ 12 - 15 V DC <b>VCC-W8774:</b> 24 V AC ±10%, 60 Hz/ 12 - 15 V DC
Power consumption	: Approx. 6.9 W (with auto-iris lens)
Weight	: Approx. 320 g (11.3 oz.) (without lens)

Appearance and specifications are subject to change without prior notice or obligations.

**PRECAUTIONS****■ In case of a problem**

Do not use the unit if smoke or a strange odor comes from the unit, or if it seems not to function correctly. Turn off the power immediately and disconnect the power cord, and then consult your dealer or an Authorized Sanyo Service Center.

**■ Do not open or modify**

Do not open the cabinet, as it may be dangerous and cause damage to the unit. For repairs, consult your dealer or an Authorized Sanyo Service Center.

**■ Do not put objects inside the unit**

Make sure that no metal objects or flammable substance get inside the unit. If used with a foreign object inside, it could cause a fire, a short-circuit or damage. Be careful to protect the unit from rain, sea water, etc. If water or liquid gets inside the unit, turn off the power immediately and disconnect the power cord, and then consult your dealer or an Authorized Sanyo Service Center.

**■ Be careful when handling the unit**

To prevent damage, do not drop the unit or subject it to strong shock or vibration.

**■ Do not install this unit close to magnetic fields**

The magnetic fields may result in unstable operation.

**■ Protect from humidity and dust**

To prevent damage, do not install the unit where there is greasy smoke or steam, where the humidity may get too high, or where there is a lot of dust.

**■ Protect from high temperatures**

Do not install close to stoves, or other heat sources, such as spotlights, etc., or where it could be subject to direct sunlight, as this could cause deformation, discoloration or other damages.

Be careful when installing close to the ceiling, in a kitchen or boiler room, as the temperature may rise to high levels.

**■ Cleaning**

- Dirt can be removed from the cabinet by wiping it with a soft cloth. To remove stains, wipe with a soft cloth moistened with a soft detergent solution and wrung dry, then dry by wiping with a soft cloth.
- Do not use benzine, thinner or other chemical products on the cabinet, as this may cause deformation and paint peeling. Before using a chemical cloth, make sure to read all accompanying instructions. Make sure that no plastic or rubber material comes into contact with the cabinet for a long period of time, as this may cause damage or paint peeling.

**SERVICE**

The camera is a precision instrument. Handle it carefully and always follow the safety precautions. If the camera requires service, never try to repair it yourself or open the casing.

For servicing, maintenance, or repairs, consult your dealer or an Authorized Sanyo Service Center.

**For US and Canadian Users****Safety Guard**

**THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THIS UNIT.**

**WARNING:**  
**TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

**For the customers in Canada**

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

This installation should be made by a qualified service person and should conform to all local codes.

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.
- 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.

Changes or modifications not expressly approved by Sanyo may void the user's authority to operate this camera.

**For EU Users****Please note:**

Your SANYO product is designed and manufactured with high quality materials and components which can be recycled and reused.

This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste. Please dispose of this equipment at your local community waste collection/recycling centre. In the European Union there are separate collection systems for used electrical and electronic products. Please help us to conserve the environment we live in!

**This symbol mark and recycle system are applied only to EU countries and not applied to countries in other areas of the world.**

**SANYO FISHER Sales (Europe) GmbH**

Stahlgruberring 4, D-81829 München, Germany

**SANYO Electric Co., Ltd.**

1-1, Sanyo-cho, Daito City, Osaka 574-8534, Japan

**For Russian Users**

АЯ46

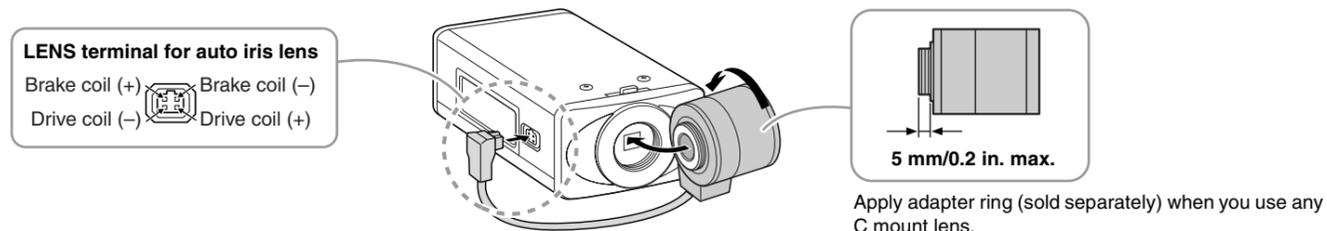
This product certified by official certification company which is authorized by Russian Federation.

**ДЛЯ ПОЛЬЗОВАТЕЛЕЙ РОССИИ**

Данная продукция сертифицирована официальным органом по сертификации Российской Федерации.

**PREPARATION****■ Lens attachment**

The camera has a mount for the CS mount lens.



Depending on the type of the lens, the shape of the lens plug may differ. In this case, consult your dealer or an Authorized Sanyo Service Center.

**■ Camera attachment**

Install the camera in a correct location so that the intended object can be monitored properly.

You should also adjust on the monitor side.

- Depending on the conditions of use, installation and environment, please be sure to make the appropriate settings and adjustments. If you need help with installation and/or settings, please consult your dealer or an Authorized Sanyo Service Center.



- If you want to use a commercially available platform for the camera, select an appropriate type, taking into consideration the gross weight of the camera and platform, and secure it on a firm place.
- Images may blur under extremely bright lighting; adjust the lighting angle to get clear images.



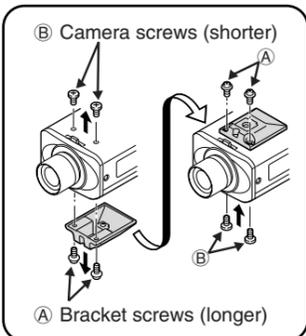
1AC6P1P3364--  
L5CS2/XE, US (0908KP-HS)

**SANYO**

**SANYO Electric Co., Ltd.**  
Printed in China

# CONNECTIONS AND ADJUSTMENTS

All the power supplied to the system should be turned off when you connect devices.



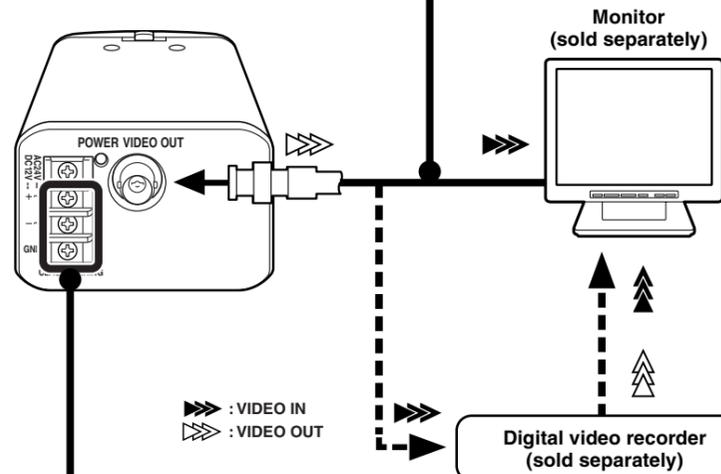
## Supported coaxial cables

Thicker than RG-6U (5C-2V)

Length: 500 m / 547 yds max.

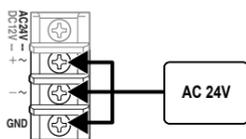
- RG-11U (7C-2V): 600 m / 656 yds max.

If you use a cable other than the type above, the image or sync signal will be attenuated and will not be transmitted correctly.



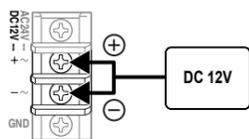
## Power cable

<AC 24 V connection>



To prevent a fire hazard use any UL listed wire rated VW-1.

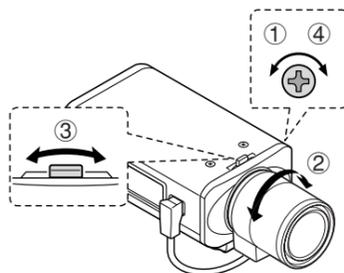
<DC 12 V connection>



Check that polarity is correct.

## Flange-back adjustment

This normally does not need adjustment. If the picture is out of focus at the telephoto position, adjust the flange-back position as described below.

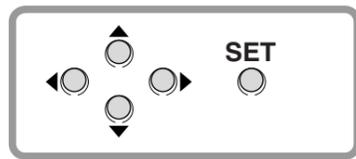


- Loosen.
- Set to the maximum telephoto position and focus the picture.
- Set to the maximum wide-angle position and focus the picture.
- Tighten.

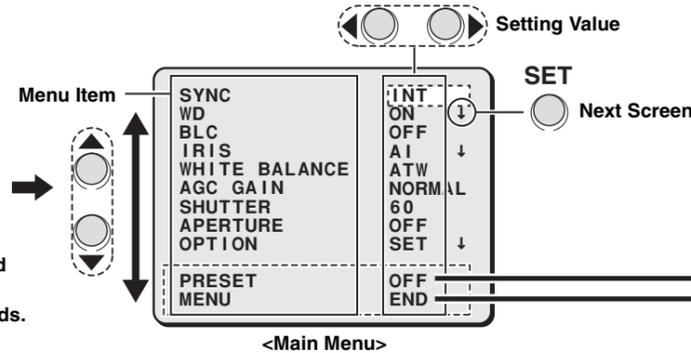
Repeat steps 2 and 3 until the image stays in-focus when changing from a wide-angle position to a telephoto position.

The camera comes pre-adjusted and ready to install at the time of factory shipment, but you can make adjustments or settings if you need.

If you have trouble adjusting the camera, consult your dealer or an Authorized Sanyo Service Center.



Press and hold the button for about 3 seconds.



To reset the menu settings to the defaults (factory settings), select "ON".



To return to the previous screen, select "BACK".



To close the menu screen, select "END".

## SYNC Sync Setting

INT (Internal sync)

L-L (Line-Lock)

Only when using an AC power supply

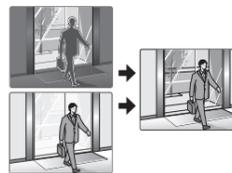


Make adjustments so that the vertical synchronization of the monitor screen does not move up or down.

## WD Wide Dynamic Range

Only when using an auto-iris lens

Correction is made for simultaneous monitoring of subjects which are different in brightness, one in a dark room and another in bright outdoor environment, for example.



ON



- If "WD" is "ON", "BLC" is disabled.
- If "IRIS" is set to "EI", setting "WD" to "ON" will force the iris setting from "EI" to "AI". This setting will remain "AI" after setting "WD" to "OFF".

[LEVEL]

The greater the number, the brighter the dark area becomes.

- This setting may cause the noise generation.

[SENSITIVITY]

The greater the number, the stronger the contrast between light and dark areas becomes.

- This setting may cause the image to obtain unnatural contours.

OFF

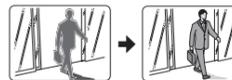
## BLC Backlight Compensation

Only when using an auto-iris lens

OFF

ON (Center zone metering)

- If "WD" is "ON", "BLC" is disabled.



## IRIS Iris Setting

AI (Auto Iris)

Only when using an AC power supply



The greater the number, the brighter it gets.

## EI (Electronic Iris)

When using a manual or fixed iris lens and the electronic iris function is on (For indoor use)

- Set the lens aperture to the shortest F stop.
- If fluorescent lighting is used where the camera is installed, the object will flicker as a result. This type of phenomenon can be avoided by replacing the fluorescent lighting with incandescent lamps.
- If the light entering the lens exceeds the maximum required illumination, the image cannot be displayed properly. In that case, manually adjust the lens iris.
- If "WD" is "ON", "EI" is disabled.
- If "IRIS" is set to "EI", "SHUTTER" is disabled.

## WHITE BALANCE White Balance

ATW (Auto-Tracing White balance)

MWB (Manual White Balance)



R : Adjusting Red  
B : Adjusting Blue  
The greater the number, the deeper the tint becomes.

## AGC GAIN Auto Gain Control

NORMAL

HIGH (For a dark subject)

Setting with which a bright image is obtained in a lower illuminance than the NORMAL setting.

- This setting may cause noise generation and a grainy image.

OFF

## SHUTTER Shutter Speed

<VCC-W8775P>

- Select from: 50, 120, 250, 500, 1000, 2000, 4000, and 10000 (e.g., 50 refers to 1/50 second)

<VCC-W8774>

- Select from: 60, 100, 250, 500, 1000, 2000, 4000, and 10000 (e.g., 60 refers to 1/60 second)

- With the increase in shutter speed number, faster movement can be captured, though the image becomes darker.
- If "IRIS" is set to "EI", "SHUTTER" is disabled.

## APERTURE Aperture Compensation

NORMAL

HIGH

LOW

OFF

## OPTION Option Settings

Press the SET button.



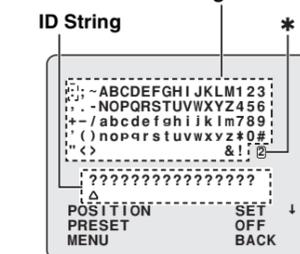
### TITLE (Naming Cameras)

OFF

ON

Press the ▲▼◀▶ buttons to select a character, and then press the SET button.

#### Character Selecting Field



- The characters are displayed starting from (Δ) in the ID string.
- You can enter up to 16 characters.
- The characters "???" do not appear on the monitoring screen, but if you select "ON" for the [TITLE] and then enter no character at all, the monitor will show you "???".

\*If you want the name to be displayed on the monitor in two lines, insert the line feed mark (↵) in the "ID string". You can enter up to 16 characters including the line feed mark (↵).

MEMO: If you want to overwrite the character, select [ID] using ▼ button and move (Δ) onto it in the ID string using ◀ or ▶ button, and then select any new character.

To determine the display position of the name



Select [POSITION] - "SET" and press the SET button.

On the normal monitoring screen, the name will be displayed.



Determine the display position of the name using ▲▼◀▶ button, and then press the SET button.

To delete the name specified

Set [PRESET] to "ON", and press the SET button.

- All the characters will be replaced with "?".

### DNR (Digital Noise Reduction)

Select from: 1, 2, OFF

- The digital noise reduction can be used to reduce the noise generated when the luminance level is low.
- The greater the number, the lower the noise becomes. However, this setting may lower the resolution.