INSTRUCTION MANUAL

VCC-9685VP

Color CCD Camera

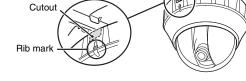
About this manual

Before installing and using the camera, please read this manual carefully. Be sure to keep it handy for later reference.

	Ceiling Installed	Wall Installed
In-ceiling routing		
Surface routing*1		



*1 Surface routing



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

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.

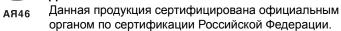
1-1, Sanyo-cho, Daito City, Osaka 574-8534, Japan

For Russian Users



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

ДЛЯ ПОЛЬЗОВАТЕЛЕЙ РОССИЯ





Printed on recycled paper



PRECAUTIONS

M Important

- Be careful when opening holes for installing the unit. Work with the power and video cables pulled out for easy installation.
- Make sure to properly perform waterproofing for the ceiling or wall where you are installing the unit.
- Make sure that the surface in the installation location has no unevenness and is strong enough to bear the total weight of the unit.
- Install this unit in an environment where the temperature range stays between -10°C and +50°C/14°F and 122°F (no condensation allowed).
- As a precaution against static electricity damage, touch a nearby metal object (door knob, etc.) to dissipate static electricity in your body before touching this unit.

■ 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

■ 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.

SPECIFICATIONS

: PAL standard 625 lines, 50 fields/sec. Scanning system Image sensor : 1/4" interline transfer method CCD

Number of effective pixels : 752 (H) x 582 (V) Horizontal resolution : 540 TV lines, typical

Minimum illumination (approx.)

White balance

: 0.5 lx (F0.95)

Video output : 1.0 V(p-p)/75 Ω, composite, BNC UTP support (VA-10T: option board)

Video S/N ratio : More than 48 dB (AGC off: More than 50 dB)

Vari-focal lens : f2.8 - 8 mm, F=0.95 - 1.7 : (On the ceiling) Pan: ± 100 degrees Rotation range

Tilt: 0 - 90 degrees

Pan: ± 90 degrees

Tilt: 0 - 90 degrees

: OFF, Multi-spot metering (High/Normal), Center zone Backlight compensation

metering : ATW/Manual

: 1/50, 1/120, 1/1000, 1/2000 sec. Electronic shutter

Aperture compensation : Sharp/Normal

Sync system : Internal sync/Line-lock

: Temperature: -10°C - +50°C (14°F - 122°F) Operating Environment Humidity: less than 90 % RH (no condensation)

Power supply : 24 V AC ±10%, 50 Hz / 12 - 15 V DC

Power consumption · 24 W (approx.)

Weight (approx.) : 500 g (16 oz.) : Screw ×1 Accessory

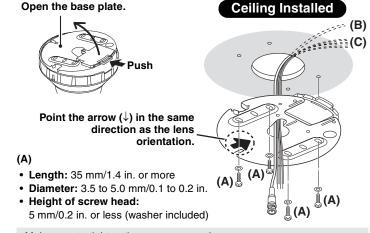
Appearance and specifications are subject to change without prior notice

SERVICE

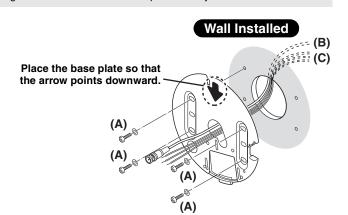
The camera is a precision instrument. Handle it carefully and always follow the safety precautions. If the camera requires service, never try to repair it yourself or open the casing.

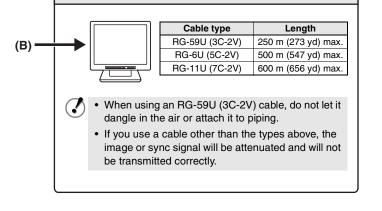
For servicing, maintenance, or repairs, consult your dealer or an Authorized Sanyo Service Center.

INSTALLING BASE PLATE AND CONNECTIONS

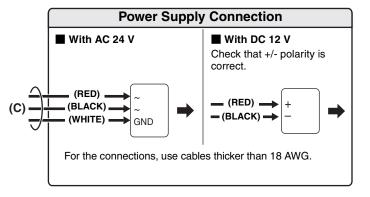


Make sure to tighten the screws properly. Using screws of sizes other than specified may cause the unit to fall.





Monitor Connection



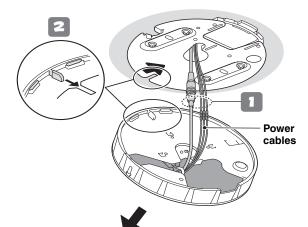
I→ Reverse side

1AC6P1P3267-L5CJ2/XE (1007KP-HS) SANYO Flectric Co., Ltd. Printed in China

Remove the dome cover.

Installing on the Ceiling

- Connect the cables from the ceiling.
- Mount the camera unit to the base plate.





Push the camera unit until it clicks taking care not to pinch the cable.

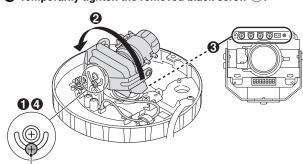




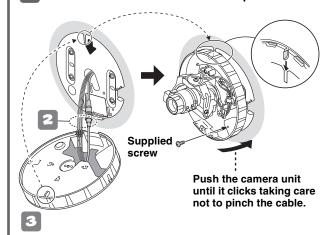
Make sure that the camera unit and base plate fit perfectly.

Installing on the Wall

- Set the lens in the correct direction.
- 1 Remove the black screw (A).
- 2 Turn the lens in the arrow direction to reverse the
- 3 Confirm that the dials are located at the top.
- 4 Temporarily tighten the removed black screw (A).



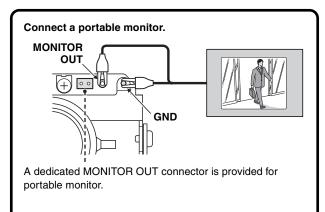
- (A) Black screw
- Connect the cables from the wall.
- 3 Mount the camera unit to the base plate.



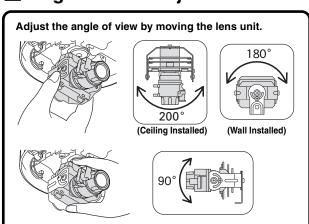
Make sure that the camera unit and base plate fit perfectly.

ADJUSTING CAMERA IMAGE

Checks on monitor

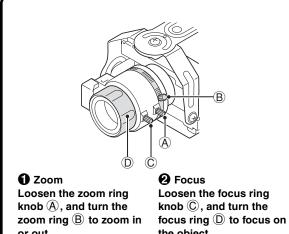


Angle-of-view adjustment



- Do not touch the lens and lens barrel.
- When rotating the lens unit, make sure a metal edge does not damage the cables.

Zoom and focus



- the object. or out.
- When finished, tighten the zoom and focus ring knobs (A) © securely.

When monitoring lighting or other extremely bright objects (which exceed the maximum required illumination), smearing may occur in the vertical or horizontal direction (either above and below the high-brightness object or as a perpendicular band). In such a case, adjust the angle of illumination and other factors while observing the

Camera adjustments/settings



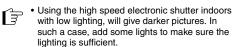
The camera comes pre-adjusted and ready to install at the time of factory shipment, but you can make adjustments or settings if you need.

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

Electronic shutter speed setting

				(unit: second)
	1/50	1/120	1/1000	1/2000
-	1 2	1 2	1 2	1 2

Switch1: MSB Switch2: LSB



• If the lighting is very bright, pay attention to the light angle in order to avoid or minimize the smear phenomenon effect

Aperture compensation

Sharp outline	Normal outline
3	3

Backlight compensation



Only when using an auto-iris lens

Multi-spot metering	High	Normal
Backlight compensation to the entire screen*	4 5	4 5
Center zone metering Backlight compensation to the central portion of the screen	4	5
OFF	4	5

If the background of the object is extremely dark, set to Center zone metering.

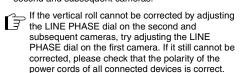
White balance (color compensation)

Manual White Balance	Auto-Tracing White balance
6 RED BLUE Turn clockwise to augment the color.	6

Sync setting

Line-Lock Synchronizes the unit with power frequency*	Internal sync	
7 PHASE	7	

Adjust the roll by turning the LINE PHASE dial on the



Lens iris level adjustment

If the entire image is too dark or too bright, adjust the condition.

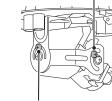
Low (darker)



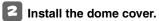
High (brighter)

After finishing camera adjustments/settings ...

Tighten the screw.



For wall installation, securely tighten the screw you temporarily tightened.



1 Push the dome cover until it clicks.



2 While holding down the dome cover, turn it in the direction of the arrow until the lens is completely visible through the camera