

### **Panasonic**

## Colour CCTV Cameras **Operating Instructions**

Model No. WV-CP250 WV-CP254E

Vi deklarerar härmed värt tulla ansvar för att den produkt till vilken danna deklaration härnksar är i överensstämmelse med standarddekument, eller andra normativa dekument som framstölls i EEC-direktiv nr. 73/23 och 89/336.

limoitamme yksinomaisella vastuullamme, että tuote, ota tämä limoitus koskee, noudattaa seuraavia standardeja tai muita ohieellisia asiakirjoja, jotka noudattaviat direktiivien 73/23/EEC ja 89/36/EEC

INFOOTAME

The where in the race that are ordinated in accordance with the following code.

Comers and you'very form and the second of the population may be compared as of the second o

Before attempting to connect or operate this product, at these instructions carefully and save this manual for future use.







The serial number of this product may be found on the bottom of the unit. You should note the serial number of this unit in the space provided and retain this instruction as a perpace of the polymer purchase to aid dentification in the event of their.

CAUTION: An ALL-POLE MAIN'S SWITCH with a contact separation of at least 3 mm in each pole shall be incorpo-rated in the electrical installation of the building. (WV-CP250 only)

# PREFACE

## FEATURES

- The following functions are built in:

  (1) Also Light Control (ALC)/Electronic Light
  Control (ELC).

  Control (ELC).

  Accommand Training White Balance (ATV)
  G. Center or, March Control (ACC) and
  Automatic Training White Balance (ATV)
  G. Centers syndromization mode selectable between infernal (RII), Line-looked
  (LL), and Maltylewood Verlace).

  5. Auto the lens control selecttable between infernal (RII), Line-looked
  (LL), and Maltylewood Verlace).
- Signal-to-noise ratio of 50 dB (min) (at AGC OFF, weight ON)

## PRECAUTIONS

- Do not attempt to disassemble the camera.
   To prevent electric shock, do not remove screws or covers.
   There are no user serviceable parts inside.
   Ask a qualified service person for servicing.
- Mandle the camera with care.
  Do not abuse the camera. Avoid striking, shaking, etc. The camera could be damaged by improper handling or storage.

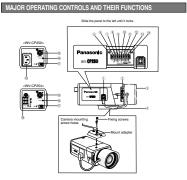
Do not use strong or abrasive detergents when cleaning the camera body.

Use a dry cloth to clean the camera when

- Clean the CCD faceplate with care.
   Do not clean the CCD with strong or abrasive delergents. Use lens tissue or a cotton tipped applicator and ethanol.
- Never face the camera towards the sun.
  Do not aim the camera at bright objects.
  Whether the camera is in use or not, never
  aim it at the sun or other extremely bright
  objects. Otherwise, blooming or smear may

Do not operate the camera beyond the specified temperature, humidity or power source ratings.

Use the camera under conditions where temperature is between -10°C - 450°C (14°F - 122°F), and humidity is below 80 %. The imput power source is 220°V -220 VAC 50°V tc for WV-CP260, and 24°V AC 50°N tc or 12°V DC for WV-CP260.



3 Lens (option)

Lens (option)

Mount Adapter
The camera mourting screw hole is for
mounting the camera ento a mounting brackmounting the camera ento a mounting brackmounting the is a size of the control of the control
from the lostom. Nowever, a sopmounting the is also available. To now
from the lost, remove the mount adapter to
the log as shown in the diagner, then mount
from particular the camera on the mounting bracket. Make
the camera on the mounting bracket. Make
mounting the mount adapter, longer type
screws may diagnee inner componers type
screws may cause the camera
dept.

Synchronization Mode Selector (INT, LL) Selects the camera synchronization mode as either internal sync mode (INT) or line-lock

either internal sync mode (INT) or line-lock mode (LL). INT: Sets to internal 2-1 interlace. LL: Sets to Line-lock mode. Note: Do not set the switch to the LL posi-tion when supplying 12 V DC to avoid a synchronization error.

Back Light Compensation Mode Selector (BLC ON, OFF)
Lets you select

(BLC ON, OFF)
Lets you select the mode according to the position of the object and light conditions on the screen.
ON: Select this mode when a strong light such as a spollight is in the background.
OFF: Normal picture
The factory default setting is OFF.

Detail/Appriure Level Selector (SHARP, SOFT)
The detail/Appriure level can be selected with this selector. Set it to the desired position while observing the picture on the monitor. SHARP: Normal position.
SOFT: Select this position when a Quad System is connected to this camera.

Automatic Light Control/Electronic Light Control Selector (ALC, ELC)
Lets you select the mode according to the lors type used.
ALC: Select this mode when an auto iris lens (ALC lens) is used with this camera.
ELC: Select this mode when a fixed iris lens or manual iris lens is used with this camera.

Lens Drive Signal Selector (VIDEO, DC)
Lets you select the mode according to the type of auto iris lens drive signal to be supplied to the lens from the auto iris lens con-

Auto-Tracing White Balance mode (ATW) Selector The ATW mode can be selected with this

selector.
ATW1: Normal picture
ATW2: ATW in sodium lamp mode

Day/Night Mode Selector This function existinces the condition of pictures from colour to black and white in low light conditions. COLOUR FIX: Colour picture reverts to black-and-white picture when an external day/night switching signal is received (refer to Day/Night connections).

tions).

e: When using this unit with infrared rays or lighting of which colour temperature is 3 000 K or less, select this mode without fail, and short-circuit the DayNlight input terminals if you select the black-and-white picture.

mode if the pollure is bright enough.

Notes:

When using this unit with a video service control less, you may not swist from the black-and-white mode to the colour less and the pollure to open the apenture.

In such a case, openite the lens adjuster to open the apenture.

This function may not be activated automatically when a baselight or a stong light sounce causes excessive contrast legist sounce causes excessive contrast legist sounce causes excessive contrast to be pollured to the pollure of the pollure o

table.

BW Level Selector
Selects the luminance level.
This selector is available when the Day/night switch position is AUTO:
According to the luminance level, this camera automatically switches the condition of pic-

ture from colour to black-and-white, or in reverse.

ME: Colour picture switches to black-and-white pictures at approx. 7 lx with F1.2 lens.

LOW: Colour picture switches to black-and-white pictures at approx. 6 lx with F1.2 lens.

The factory default setting is HI.

In the tactory default setting is HI.

§ Video Output Connector (VIDEO OUT)
This connector is for connecting with the VIDEO IN Connector of the video monitor.
Whenever the multiplexed vertical drive (VD2) signal is supplied to this connector, the camera synchronization mode is automatically set to Vertical Drive.

9 Power Indicator (POWER)

Power Indicator (POWEH)
DayNight Input Terminal
(DAYNIGHT INCND)
This terminal is used for connecting the camera to an external daynight detecting sensor.
Terminals operate: colour picture
Terminals operate: colour picture
Terminals shortened: black-and-white picture

AC Inlet Socket
Plug the power cord (supplied as a standard accessory) into this socket and connect it to an AC outlet.

an AC outlet.

AC/DC Compatible Input Terminal
(DC 12 V IN/AC 24 V IN)
This terminal is for connecting the 12 V DC or
24 V AC power supply cord.

Note: Do not exceed the ratings of the voltage or current when connecting the
external device.

sution: Connect to 12 V DC (10.5 V-16 V) or 24 V AC (19.5 V-28 V) class 2 power sup-ply only. Make sure to connect the ground-ing lead to the GND terminal when the power is supplied from a 24 V AC power source.

CONNECTIONS

Connect the power cord to an electrical outlet of 220V - 240V AC 50Hz.

Notes:

Connect the power cord firmly.

The power cord should be long enough for parenty and filing.

The power cord should be long enough for parenty and filing.

The power cord when the power cord plus may be pulled off the camera when the camera pans or title. B. WV-CP254E (12 V DC/24 V AC)



Resistance of	Resistance of copper wire [at 20 °C (68 °F)]					
Copper wire size (AWG)	#24 (0.22mm²)	#22 (0.33mm²)	#20 (0.52mm²)	#18 (0.83mm)		
Resistance Ω/m	0.078	0.050	0.030	0.018		
Resistance	0.026	0.017	0.010	0.006		

Resistance 0.028 0.017 0.010 0.006

Calculation of maximum cable length between camera and power supply 10.8 V DC 2.4V = (R × 0.2 × 1.2 × 16 V DC L : Cable length (m) R : Resistance of cooper wire (Qhm) VA : DC output voltage of power supply unit

 $L standard = \frac{V_A - 12}{0.42 \times R} (m)$  $L minimum = \frac{VA - 16}{0.42 \times R} (m)$ 



# Video Cable

It is recommended to use a monitor whose resolution is at least equal to that of the

length between the camera and the monitor is shown below.								
pe of axial cable	RG-59/U (3C-2V)	RG-6/U (5C-2V)	RG-11/U (7C-2V)	RG-15/U (10C-2V)				

# | Recommended (m) 250 500 600 800 | maximum cable langth (n) 825 1650 1980 2 640 |

Installation of Auto Iris Lens Connector

Connector
Install the lens connector (YFE4191,100) when using a video drive ALC lens.
The installation should be made by qualified service personnel or system installers. Cut the rise control cable at the edge of the lens connector to remove the existing lens connector and then remove the outer cable cover of the supplied connector as shown in the diagram.

The pin assignment of the lens connector is as followed.

Pin 1: Power source; +9 V DC, 50 mA max. Pin 2: Not used Pin 3: Video signal; 0.7 V[p-p]/40 kΩ Pin 4: Shield, ground





Solder the lens cable to the pins of the sup-plied connector.

### Mounting the Lens



### Caution for Mounting the Lens

ision at the rear of the lens should be as



## FOCUS OR FLANGE-BACK ADJUSTMENT



SPECIFICATIONS 752 (H) x 582 (V) pixels, interline transfer CCD
5.59 (H) x 468 (V) mm (equivalent to scanning area of 1(3")
5.59 (H) x 468 (V) mm (equivalent to scanning area of 1(3")
5.50 (H) x 468 (V) mm (equivalent to scanning area of 1(3")
5.50 (H) x 5.50 (H) x 5.50 (H)
5.50 ( Pick-up device: Scanning area: Synchronization:

Scanning system: Scanning: Horizontal: Vertical: Horizontal resolution: Video output: Signal-to-noise ratio: Electronic light control:

Minimum illumination Aperture: Lens mount: Ambient operating temperature: Ambient operating humidity: Power source and power consumption:

Dimensions (without lens):

Day/Night

STANDARD ACCESSORIES	
Operating Instructions (this document)	
The following parts are for installation:Body cap	1 pc.
ALC lens connector (YFE4191J100)	1 pc.

OPTIONAL ACCESSORIES

Matsushita Electric Industrial Co., Ltd.