Honeywell







CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER(OR BACK). NO USER SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PRERSONNEL

Explanation of Graphical Symbols.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance(Servicing) Instructions in the literature accompanying the appliance.

MEMO

CAUTIONS FOR SAFE OPERATION !

- Changes or modifications not approved by manufacturer could void the user's authority to operate the equipment.
- To prevent fire or shock hazard, do not expose this camera to rain or moisture.
- To prevent electric shocks and other hazards, do not use different from the specified power source.
- Do not install too hot or cold places, recommended operation temperature is -10℃ ~ 50℃
- Do not expose lens directly to the sun.
 CCD may be damaged.

- Do not place the camera to heavy shocks or vibrations.
- Do not place or install the camera on an unstable place, stand, tripod, bracket or table.

That may cause serious injury to people or damage to appliance.

- Do not attempt to service or repair of yourself. Please contact all servicing to qualified service personnel
- In case of installing too close to Monitor, variation of monitor brightness cause any hunting of camera in low light mode.

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GC-715N/P24

Outlines

Honeywell's GC-715N/P24 is a high sensitivity CCD color camera with high sensitivity function of the field integration technique.

Features

- I/3" IT Super HAD CCD (NTSC: 410,000 / PAL: 470,000)
- Outstanding BLC implementation with Honeywell's BMB(Black Mask BLC) function.
 (3 levels adjustable)
- CS/C lens mount.
- Excellent signal-to-noise ratio of more than 50dB.
- Figh Sensitivity : Minimum illumination of 0.0011x (F1.2, 30IRE, SENS On X 128)
- 2-WAY Auto Iris : Video iris or DC iris lens can be used.
- External synchronization with LINE LOCK.
- Auto White Balance : Auto white balance realizes true color reproduction within various light sources. (2,800 °K~8,000 °K)
- Control : Flickerless, Back light compensation, AGC, Manual shutter control, Maximum Sensitivity select, Auto white Balance/ Indoor/Outdoor/Fluorescent light/ BMB Level



Installation

Mounting a Lens

- 1. Remove the protective cap in front of the camera.
- 2. Confirm the mount ring whether it is for C or CS. * Caution1
- 3. Attach the lens to the lens mount ring.
- 4. If the lens has an Auto Iris mechanism, connect the iris cable to the Lens connector (EE/VSD S/W must be set to VSD on the side of the camera)
 - A. In the case of having no iris amplifier : Set the slide switch to DC (Down side)
 - B. In the case of having iris amplifier : Set the slide switch VSD (Upper side)
 - C. Set the S/W on the side of the camera to DC or VSD, too.
- If using lens that has iris amplifier, "LEVEL" and "ALC" volume of lens must be adjust carefully. It may cause any hunting.
- When connecting Auto iris lens, be sure to use the connector to be recommended by manufacturer. (E4-191, Chuo Musen, Japan)
- * Caution 1 : This appliance is set to CS mount default. If you want to use C mount lens, fix a C adapter ring additionally packed in the box.



- Must be checked the power source from the external power supply before power on.
- Recommended power source capacity : AC 24V, more than 500mA
 - Download from Www.Somanuals.com. All Manuals Search And Download.

Flange back focus adjustment

- 1. In case of fixed focus lens
 - a. Loosen the locking ring and set the focus ring of lens to infinity (∞) .
 - b. Tune the mount ring to get a clear picture(distance from camera to object is more than 23m) and fasten the locking ring.
- 2. In case of zoom lens
 - a. Loosen the locking ring and set the lens to the maximum telephoto position. Then turn the focus ring to focus.
 - in the case of Auto iris lens, shoot a comparatively dark object or reduce the ambient light so that the Iris is fully open.
 - b. Set the lens to its maximum wide angle position, and set the focus.
 - c. Repeat step a and b, until the difference between focusing position a and b is smallest.
 - D. When the best focusing point is found, fasten the locking ring.

















M	ode	Setting	Fields/sec	Remark
	0	OFF	60	
	1	X2	30	
	2	X4	15	
	3	X6	10	
	4	X8	7.5	
	5	X10	6	
	6	X16	3.8	
	7	X32	1.9	
	8	X64	0.9	
	9	X128	0.5	Default
	Fig 5.	Maximum sei	nsitivity setting ta	ble
In the sensitiv	vitv ON	mode . sensi	tivity is automatic	ally controlled







WB3	WB2	WB1	AWB Mode	
OFF	OFF	OFF	ATW Mode	
OFF	ON	OFF	AWC Mode (Default)	
ON	ON	OFF	One Push Lock	
ON	OFF	OFF	MWB Mode	
OFF	OFF	ON	Indoor Fixed Mode (3200 °K)	1
ON	OFF	ON	Fluorescent Fixed Mode (4200 °K)	1
OFF	ON	ON	User Fixed Mode (4700 °K)	
ON	ON	ON	Outdoor Fixed Mode (6300 °K)	
		Fig 6. WB	Mode Table	
ATW" M	ode			
Auto Tra	ce White B	alance Mod	de.	
This mod	le is the fe	edback sys	tem that automatically aligns the white ba	lanc

♦ "AWC" Mode	
Auto White Balance Control Mode. This mode performs more faster action	than
ATW mode without operating range. AWC operation is also performed in o	ne
push lock mode. while the button "3" on the side view is pressed, AWC act	tion
started and then the button is released, WB operation is locked to fit the p	resent
shooting scene.	
One Push Lock Mode	
In One push lock mode, white balance can be aligned by pressing "3" butto	on.
When this button is released, white balance is locked.	
▲ "MWB" Mode	
Manual White Balance Mode	
This mode is used for manual adjustment of white balance	
This mode can be adjusted by pressing buttons (Button"1" "2" on SIDE \	/IFW)

6. "9" V-PHASE (In the line lock mode, Adjustment V-Phase)
When you are using the line lock, the LL/INT switch has to be set to "LL" mode.

a. Line lock zero cross adjustment

- ; Zero cross point can be adjusted by pressing "1"(UP) and "2"(DOWN) buttons of the camera
- Zero crossing point of shipment state can be initialized after pressing the UP button (Button"1") during about 10 seconds.

b. Line lock V-phase adjustment

- ; If more than two cameras are used in one switching system, phase difference in AC power line can be occurred.
 - It is needed to adjust this phase difference for each camera.
- If the cameras are connected to different AC lines, you can use the line lock adjustment potentiometer of the camera (adjustment of V-PH)

SPECIFICATIONS

Imaging device Effective pixel Scanning system Sync system Scanning frequency **H** Resolution Video out S/N Ratio Min. illumination BLC White Balance Elec. Shutter AGC Lens Mount ALC Power Source Operating Temp. Storage Temp. Weight Dimensions

GC-715N24 1/3" CCD(total 410,000pixels) 768H * 494V(380,000pixels) 525 Lines 2:1 Interlace Internal/ Line lock 15.734KHz(H), 59.94Hz(V) 480 TV Lines VBS 1.0Vp-p / BNC more than 50dB less than 0.2lx(F1.2, 30IRE, AGC ON) SENS ON 0.001lx (X128 fields) BLC ON/OFF, BMB ON(3Steps)/OFF AWB(2,800 °K ~8,000 °K) 1/60s~1/100,000s High / Low **C/CS Mount** EE, VSD, DC AC24V±10%,500mA -10°C ~ +50°C -20°C ~ +70°C 436g 68(W) * 51(H) * 148(D)

GC-715P24

1/3" CCD (total 470,000pixels) 752H * 582V(440,000pixels) 625 Lines 2:1 Interlace Internal/ Line lock 15.625KHz(H), 50.0Hz(V) 480 TV Lines VBS 1.0Vp-p / BNC more than 50dB less than 0.2lx(F1.2, 30IRE, AGC ON) SENS ON 0.0011x (X128 fields) BLC ON/OFF, BMB ON(3Steps)/OFF AWB(2,800 °K ~8,000 °K) 1/50s~1/100,000s High / Low **C/CS Mount** EE, VSD, DC AC24V±10%,500mA -10°C ~ +50°C -20℃~+70℃ 436g 68(W) * 51(H) * 148(D)

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