

SPECIFICATION

MODE NO.	CYB-970-L	
TV SYSTEM	NTSC	
IMAGE SENSOR	1/2-inch 1.L. CCD Image Sensor	
CCD TOTAL PIXELS	410K	
SYNC SYSTEM	Internal	
MINIMUM ILLUMINATION	0.005 Lux F1.2 3200°K (Sens up OFF)	
LENS	C/CS Mount	
RESOLUTION	540 TVL	
WHITE BALANCE	Mode	ATW / AWC
	Range	3200 ~ 10000 °K
S/N RATIO TYPICAL (MAX)	50dB (MIN) / 58dB (TYP) (Gamma, Aperture, AGC, OFF)	
AUDIO OUTPUT	Build in 60 dB Gain audio amplifier with Low impedance output	
SENSE UP	ON / OFF (Preset 4X, Max 256X by program set)	
H - MIRROR FUNCTION	OFF / ON (By OSD set)	
V - MIRROR FUNCTION	OFF / ON (By OSD set)	
B.L.C. FUNCTION	ON / OFF (By OSD set)	
ZOOM FUNCTION	OFF / ON (By OSD set)	
ENHANCE	HIGH / MID (By OSD set)	
FLICKLESS	OFF / ON (By OSD set)	
COLOR BAR	OFF / ON (By OSD set)	
GAMMA CORRECTION	0.45 / 1.0 (By OSD set)	
GAIN CONTROL	AGC ON / OFF	
AUTO IRIS	DC-IRIS	
DAY/NIGHT SW	AUTO/MANUAL (By OSD set)	
SDNR	Built-in SDNR (Super Digital Noise Reduction)	
OSD FUNCTION	All switch function with TITLE, MASK, SENSUP SEL, DAY/NIGHT SEL	
ELECTRONIC SHUTTER	A.E.S.	1/60~1/120,000 sec.
	FIX	1/60(50), 1/100(120), 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000sec.
VIDEO OUT	1.0V p-p composite video at 75 ohm	
OPERATION TEMPERATURE	-20~+50 °C	
OPERATIONAL HUMIDITY	within 85% RH	
POWER SUPPLY	DC12V±1V / 160mA(Max)	

OSD MENUAL

There are 5 push switch [UP],[DOWN],[LEFT],[RIGHT],[ENTER], push the [ENTER] switch up to 1 second, a pretty menu will be pop-up on your screen. You may now push [UP] or [DOWN] switch to browse around menu.

1. MAIN

MENU	
①	-WHITE BAL. ATW
②	ALC/AES ALC>
③	FLC OFF
④	AGC ON
⑤	SENSE UP ON>
⑥	BACK LIGHT OFF
⑦	MASK SET>
⑧	OPTION SET>
⑨	EXIT SAVE

①WHITE BAL.	: ATW / AWB	AWB MODE	Push [ENTER] switch ONE PUSH is active.
②ALC / AES	: ALC / AES	ALC MODE	Push [ENTER] switch ALC sub menu is display.
③FLC	: OFF / ON	OFF / ON	
④AGC	: OFF / ON	ON MODE	Push [ENTER] switch SENSE UP sub menu is display.
⑤SENSE UP	: OFF / ON		
⑥BACK LIGHT	: OFF / ON		
⑦MASK	: SET>	: SET>	Push [ENTER] switch MASK sub menu is display.
⑧OPTION	: SET>	: OPTION	Push [ENTER] switch OPTION sub menu is display.
⑨EXIT		: SAVE / PRESET	
		SAVE MODE	Push [ENTER] switch the content after adjusting will be store, OSD menu is off.
		PRESET MODE	Push [ENTER] switch the default data will be store, OSD menu is off.

2. ALC

ALC	
①	-SHUTTER OFF
②	RETURN

①SHUTTER.	: FIX shutter speed selector	NTSC : OFF, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
		PAL : OFF, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
		[note] : FIX shutter is effective only at the FLC mode is off.
②RETURN	: Push [ENTER] switch to get back to the previous page.	

3. SENSE UP

SENSE UP	
①	-MAX x 8
②	RETURN

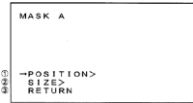
③MAX	: SENSE UP max times selector	X2, X4, X8, X16, X32, X64, X128, X256.
④RETURN	: Push [ENTER] switch to get back to the previous page.	

4. MASK

MASK	
①	MASK A OFF
②	MASK B OFF
③	MASK C OFF
④	MASK D OFF
⑤	RETURN

③MASK A	: OFF / ON	
④MASK B	: OFF / ON	ON MODE Push [ENTER] switch to enter the MASK SUB setting page.
⑤MASK C	: OFF / ON	ON MODE Push [ENTER] switch to enter the MASK SUB setting page.
⑥MASK D	: OFF / ON	ON MODE Push [ENTER] switch to enter the MASK SUB setting page.
⑦RETURN	: Push [ENTER] switch to get back to the previous page.	

5. MASK SUB



- ①POSITION : Push [ENTER] switch to enter the MASK POSITION setting page.
- ②SIZE : Push [ENTER] switch to enter the MASK SIZE setting page.
- ③RETURN : Push [ENTER] switch to get back to the previous page.

6. MASK POSITION



MASK POSITION the page is masking zone position setting.

Push [UP], [DOWN], [RIGHT], [LEFT], switch select the position for the masking zone.

Push [ENTER] switch to get back to the previous page.

MASK SIZE the page is masking zone size setting.

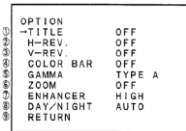
Push [UP], [DOWN], [RIGHT], [LEFT], switch select the size for the masking zone.

Push [ENTER] switch to get back to the previous page.

7. MASK SIZE



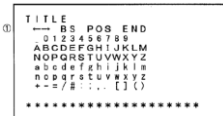
8. OPTION



- ①TITLE : OFF / ON ON MODE Push [ENTER] switch TITLE sub menu is display.
 - ②H-REV. : OFF / ON
 - ③V-REV. : OFF / ON
 - ④COLOR BAR : OFF / ON
 - ⑤GAMMA : TYPE A / TYPE B
 - ⑥ZOOM : OFF / ON
 - ⑦ENHANCER : HIGH / MID.
 - ⑧DAY / NIGHT : AUTO / DAY / NIGHT / EXT. AUTO : By AGC-LEVEL decide color or monochrome image. DAY : Color image only. NIGHT : Monochrome image only. EXT. : By external signal decide color
- or monochrome image.

⑨ RETURN : Push [ENTER] switch to get back to the previous page.

9 .TITLE



Move cursor around alphabetical, push [ENTER] switch to enter the character you choose, the character will be display on the bottom line.

- When the cursor is in the position of the following symbols, [←], [→], [BS], [POS], [END],
- [←] : Push [ENTER] switch, on the bottom line cursor will be move left.
- [→] : Push [ENTER] switch, on the bottom line cursor will be move right.
- [BS] : Push [ENTER] switch, on the bottom line cursor will be backspace.
- [POS] : Push [ENTER] switch to enter the TITLE POSITION setting page.
- Push [UP], [DOWN], [RIGHT], [LEFT], switches select the position for the title.
- Push [ENTER] switch to get back to the previous page.
- [END] : Push [ENTER] switch to get back to the previous page.

