

SUPREME RESOLUTION COLOR MINIATURE CAMERA MANUAL

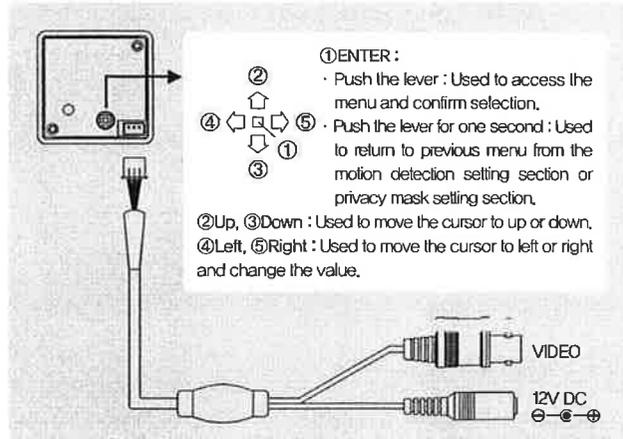
⓪ PRECAUTION

1. Recommend use of a regulated 12V DC 300mA power supply unit with the camera for the best picture and safe operation of the unit.
2. Recommend use of the camera with the monitor which has the standard video input impedance level of 75Ω. If your monitor is set to high impedance mode, please switch the monitor into standard impedance position.
3. Do not attempt to disassemble the camera. There are no user serviceable parts inside. Refer service to qualified service personnel.
4. Never face the camera toward the sun. It may cause a smear on the picture when the camera is directly faced to the sun, spotlights or light reflecting objects.
5. Do not expose the camera to rain or moisture, and do not try to operate the camera in wet place. Moisture can damage the camera and create the damage of electric shock.
6. Do not install the camera in the place where is close flammable materials, metal goods or liquid. They can damage the camera.
7. Do not install the camera in the place which has the high voltage, high frequency and high magnetism band. They can damage the camera.



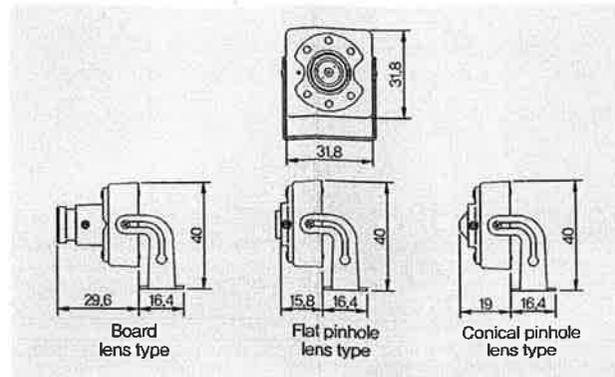
If the product is to be put out of operation definitively, take it to a local recycling plant for a disposal which is not harmful to the environment.

⓪ CABLE ARRAY & HOW TO USE THE JOG LEVER



※ All specification is subject to change without notice to improve the quality.

⓪ DIMENSION



⓪ SPECIFICATION MCB-3.6N

Model No.	Type 1	Type 2
Image Sensor	1/3" SONY SUPER HAD CCD II	1/3" SHARP HS CCD II
Effective Pixel	768(H) X 494(V) PIXEL(NTSC)	752(H) X 582(V) PIXEL(PAL)
Cell Size	6.35μm(H) X 7.4μm(V)(NTSC) 6.5μm(H) X 6.25μm(V)(PAL)	6.4μm(H) X 7.5μm(V)(NTSC) 6.53μm(H) X 6.39μm(V)(PAL)
Resolution	600 TV-Line	
TV Type	NTSC / PAL	
Sync. Type	Internal	
Scanning System	2:1 Interlace	
Video Output	1.0 Vp-p(Sync. Negative) Termination 75Ω ±10%	
Gamma Characteristic	γ = 0.45(Adjustable)	
Min. Illumination	0.1 Lux(F1.2)	
OSD	Yes(Multi-language)	
Motion Detection	ON / OFF Selectable(64 Zone)	
White Balance	ATW / AWC / MANUAL	
Privacy Zone	ON / OFF Selectable(4 Zone)	
Day & Night	Electronic D&N(AUTO, COLOR, B/W)	
S/N Ratio	48dB over(AGC OFF)	
Mirror	ON / OFF	
BLC	ON / OFF	
Reverse Polarity Protection	YES	
Gain Control	Automatic(Adjustable)	
Shutter	1/60~1/100,000sec(NTSC), 1/50~1/100,000sec(PAL)	
Test Illuminance Area	Average test illuminance by front view	
Power Supply	Regulated 12V DC ±10%	
Current Consumption	Max. 100mA	
Lens	Fixed focal lens	
Operation Temp.	-10 ~ 50°C	
Preservation Temp.	-20 ~ 60°C	
Dimension	31.8mm(W) X 31.8mm(H)	
Weight	Approx. 50g	

⓪ FUNCTION SETTING

· OSD menu structure

Function setting menu	Select menu	Sub menu	Contents
1. EXPOSURE	BRIGHT	0 ~ 100	Adjust the brightness
	E.SHUTTER	AUTO 1/60(1/50) ~ 1/100,000	Shutter speed auto adjustable Select shutter speed manually
	AGC	OFF, LOW, MIDDLE, HIGH	Determines that use the AGC function or not and AGC level selectable(You can not use the Auto D&N change mode when AGC is off)
	BLC	OFF, ON	BLC function
	HLC	OFF, ON, AUTO	High Light Mask function. In case of AUTO mode, the function will off in daytime and on at night
	HLC THR	0 ~ 100	According to the threshold value, the camera will recognize as High light or not
2. WHITE BALANCE	AWB MODE	ATW	Color temperature 2500 ~ 9500°K
		MANUAL	Adjust the Red or Blue values to shift the color of the object
	AWC		Move the camera lens toward to white paper then press the set button to find the optimal white balance for current environment
3. DAY&NIGHT	D&N MODE	AUTO	Auto day&night switching mode
		COLOR	Fixed at color
		B&W	Fixed at B/W
	BUFST	OFF, ON	Determines whether to transmit the burst signal or not in B/W mode
4. IMAGE ADJUST	MIRROR	85 ~ 170	You can select brightness of illumination about changing the day -- night mode
		50 ~ 135	
	DELAY TIME	3 ~ 15	You can select the duration time about chaiming the day -- night mode
	SHARPNESS	OFF, ON	Set a horizontal image inversion
		0 ~ 50	Sharpness adjustable
		GAMMA	0.45, 0.6, 1.00, USER
LSC		OFF, ON	Determines whether to use the brightness compensation of four lens' corners(LSC) or not
LSC LEVEL	0 ~ 50	The LSC level selectable	
	R-Y GAIN	0 ~ 200	Adjust Red tone of the image
	B-Y GAIN	0 ~ 200	Adjust Blue tone of the image
	PATTERN CBV-ERATOR		Test signal. Press the set button, color bar appeared on the screen and press any key to return to menu
5. MOTION	MOTION	OFF, ON	Determines whether to use the motion detection function or not
		NONE	No display on the screen though movement is detected
	DISPLAY	MESSAGE	The words 'MOTION' appear on the screen when movement is detected
		MASK	Motion detection area appear on the screen when movement is detected
	SET WINDOW		Press the set button to move into the motion detection area section to set the 64 areas. Press the set button for a few second to move out
	ALL SET		Press the set button to select all area
	ALL CLEAR		Press the set button to remove all area
	SENSITIVITY	0 ~ 255	Motion detection sensitivity
	HOLD TIME	1 ~ 15	Set the duration of outside alarm. If the way of display is message, it means display time of message
	6. PRIVACY MASK	MASK 1, 2, 3, 4	OFF, ON
MASK COLOR			BLACK, GRAY, ...
7. SPECIAL	LANGUAGE	ENGLISH, ...	Select language
	NAME DISPLAY	OFF, ON	Display the camera ID on the screen
	EDIT		Press the set button to move into the name setting section. You can choose the letter by using up and down button and move next letter by using left and right button. Press the set button for a few second to move out
	POSITION		Press the set button to move into the position setting section. You can move the camera ID to your wanted position by using up, down, left and right button
8. FACTORY SET	To reset your camera to factory default condition Notice : Language is not changed		
9. EXIT	Save the value and then restart		