

MC700 / MC700CP

960H/700 LINE ULTRA-MINIATURE INDOOR DAY/NIGHT CAMERAS

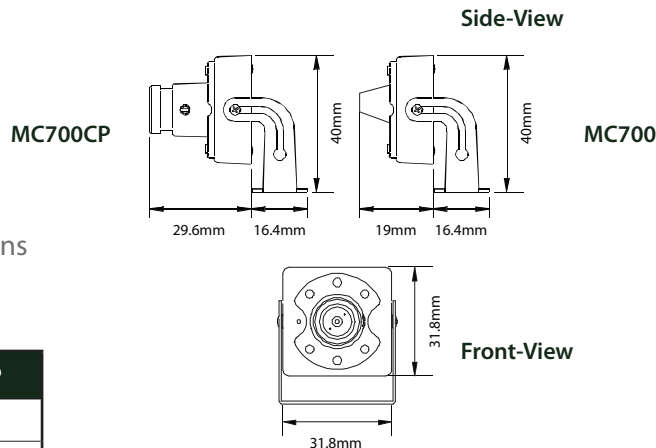
PRODUCT FEATURES

- SONY 960H Chip / 700 Line Resolution
- Digital Wide Dynamic Range
- OSD Control of All Major Functions
- Auto Electronic Shutter
- Ultra-Miniature Housing
- 3.6mm Standard or 3.7mm Conical Pinhole Lens

SPECIFICATIONS

Model No.	MC700	MC700CP
Imaging Device	1/3" SONY Super HAD II CCD	
Resolution	Color 700 TV Lines – B/W 800 TV Lines	
TV System	NTSC	
Effective Pixels	976 (H) X 494 (V)	
Lens	Standard 3.6mm	Conical Pinhole 3.7mm
Sync System	Internal	
Scanning System	2:1 Interlace	
Video Output	1.0Vp-p 75 OHM Composite BNC	
Minimum Illumination	0.1 Lux	
S/N Ratio	52dB (AGC Off)	
Gamma Characteristic	0.45	
Electronic Shutter Speed	Auto - Manual (1/60 ~ 1/100,000 sec.)	
OSD	Yes Built-in on Back of Camera	
BLC (Backlight Compensation)	DWDR / BLC / HLC / OFF	
AGC (Auto Gain Control)	x0.25 / x0.50 / x1.0	
Day/Night	Electronic Type (Auto, Color, B/W)	
D-WDR (ATR)	Yes, Luminance & Contrast Adjustable	
Power Requirement	Regulated 12 volts DC +/- 10%	
Power Consumption	120mA	
Operating Temperature	14° ~ 122°F	
Weight	1.8 oz	
Housing	Metal Case (Black)	
Dimensions (H x W x D)	1.25" x 1.25" x 1.19"	1.25" x 1.25" x .75"

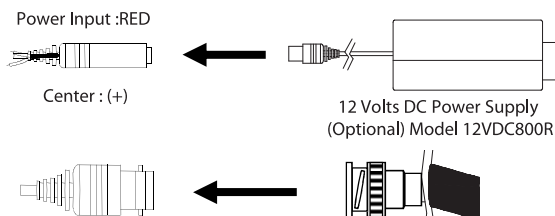
CAMERA DIMENSIONS



CAMERA CABLE CONNECTION

Insert power lead into power connector (confirm proper voltage and observe polarity).

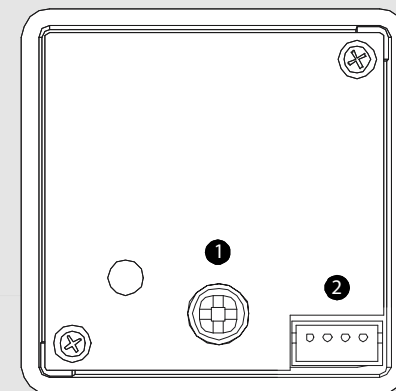
Insert video lead into BNC connector (push, then twist to lock connector in place).



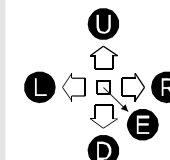
PACKAGE CONTENTS

- (1) Camera
- (1) Mounting Screw
- (1) Camera Mount
- (1) User Manual

OSD BUTTON AND CABLE DIAGRAM

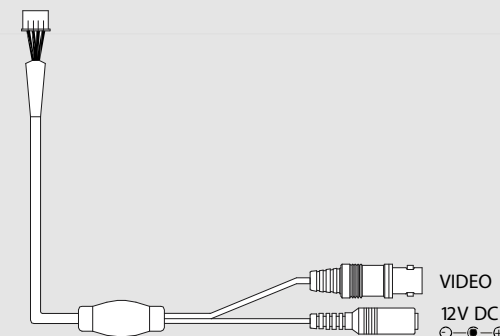


1. How to use the OSD Control:



- ENTER(E): Used to Access the Menu and Confirm Selection
- UP(U), DOWN(D): Used to Move the Cursor Up and Down
- LEFT(L) and RIGHT(R): Used to Move the Cursor to the Left or Right and Change Desired Values

2. Cable Diagram



OSD MENU STRUCTURE

Select Menu	Sub Menu	Summary
1. LENS		
AUTO	Type : DC, Video	Auto iris lens(only DC type)
	Mode : Auto, Open, Close	Auto/Open/Close select
	Speed : 0~255(48)	Iris speed select
MANUAL		Manual iris lens
2. SHUTTER/AGC		
AUTO	High Luminance	
	Mode : Auto Iris, Shut + Auto Iris, Shut	Auto exposure setting
	Brightness : 0~255(30)	
	Low Luminance	
	Mode : AGC, OFF	
	Brightness : X0.25, X0.50, X0.75, X1.00	
Mode : Shut + AGC		
MANUAL	Shutter : 1/60(1/50), 1/120(1/100), 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000	Manual exposure setting
	AGC : 6.00, 12.00, 18.00, 24.00, 30.00, 36.00, 42.00, 44.80	
3. WHITE BAL		
ATW	Speed : 0~255(250)	Auto trace white balance setting (1,800°K~ 10,500°K)
	Delay CNT : 0~255(16)	
	ATW Frame : X0.50, X1.00, X1.50, X2.00	
	Environment : Indoor, Outdoor	
PUSH		Automatically adjust the white balance under all conditions
USER1	B-Gain, R-Gain	The gain values for the outdoor fixed mode (Adjust the Red or Blue values)
USER2	B-Gain, R-Gain	The gain values for the fluorescent light fixed mode(Adjust the Red or Blue values)
ANTI CR	Level(0~255)	Color rolling suppression
MANUAL		Manual white balance
PUSH LOCK		Move the camera lens toward to white paper then press the set button to find the optimal white balance for current environment
4. BACKLIGHT		
OFF		Deactivated function
BLC		Back Light Compensation
HLC		High Light Compensation
5. ATR(=DWR) (Adaptive Tone Reproduction)		
OFF		Set the ATR to OFF
ON	Luminance : Low, Mid, High	Set the extent of the luminance compression
	Contrast : Low, Midlow, Mid, Midhigh, High	Set the extent of the contrast enhancement

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

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Select Menu	Sub Menu	Summary
6. DAY/NIGHT		
AUTO	Burst : OFF, ON	Day : Color ↔ Night : B/W (Switching time & speed adjustable)
	Delay CNT : 000~255(005)	
	Day→Night : 000~255(004)	
	Night→Day : 000~255(016)	
COLOR		Fixed at color
B/W	Burst : OFF, ON	Fixed at B/W
	IR Optimizer : OFF, ON	
	Mode : Auto, Center	
	Level : 0~31(022)	
EXT1		No use for this model
EXT2		No use for this model
7. NR(=2DNR)		
NR MODE	Y/C, OFF, Y, C	Set the 2D NR(Noise Reduction) filter mode
Y LEVEL	000~015(004)	Set the Y(luminance signal) filter strength
C LEVEL	000~015(004)	Set the C(chrominance signal) filter strength
8. PICT ADJUST		
MIRROR	OFF, ON	Set the horizontal flip
BRIGHTNESS	000~255(000)	Set the screen brightness
CONTRAST	000~255(128)	Set the screen contrast
SHARPNESS	000~255(128)	Set the screen sharpness
HUE	000~255(128)	Adjust the hue
GAIN	000~255(128)	Adjust the color gain
9. CAMERA ID		
OFF		Set the camera ID to OFF
ON	Letters A to Z, Numerals 0 to 9, Symbols	You can enter up to 26 letters & 2 lines
10. MOTION DET		
OFF		Set the motion detection to OFF
ON	Detect sense, Block disp, Monitor area, Area sel (Top, Bottom, Left, Right)	Adjust the settings of motion detection
11. PRIVACY		
OFF		Set the privacy masks to OFF
ON	Area sel(Top, Bottom, Left, Right), Color, Trasp, Mosaic	Adjust the settings of privacy
12. LANGUAGE		
English, Japanese, Chinese, Deutsch, Francais, Pyccknn, Portugues, Espanol		Select language
13. CAMERA RESET		
		Restore all the settings to the default values
14. EXIT		
SAVE ALL		Save all the setting made
EXIT		Exit the OSD menu