

# MC700

960H/700 LINE ULTRA-MINIATURE INDOOR DAY/NIGHT CAMERA WITH 3.6mm LENS

## PRODUCT FEATURES

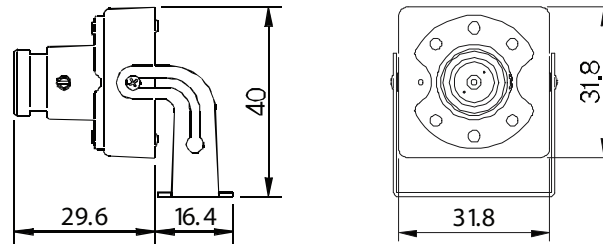
- SONY 960H Chip / 700 Line Resolution
- Digital Wide Dynamic Range
- OSD Control of All Major Functions
- Auto Electronic Shutter
- Ultra-Miniature Housing

## SPECIFICATIONS

Model No.	MC700
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	Fixed Focal 3.6mm
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"

\* All specifications subject to change without notice for quality improvement

## CAMERA DIMENSIONS



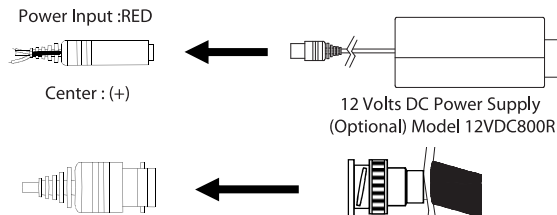
Side-View

Front-View

## CAMERA CABLE CONNECTION

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

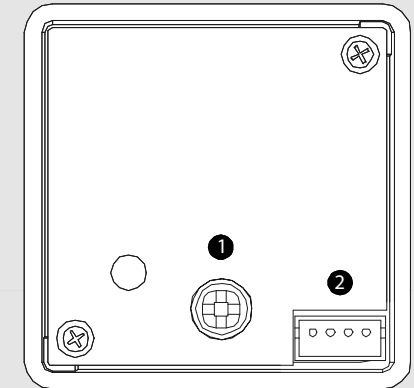
Insert video lead into BNC connector (push, then twist to lock connector in place).



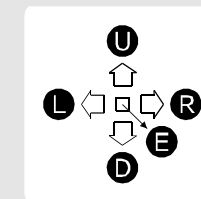
## PACKAGE CONTENTS

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

## OSD BUTTON AND CABLE DIAGRAM

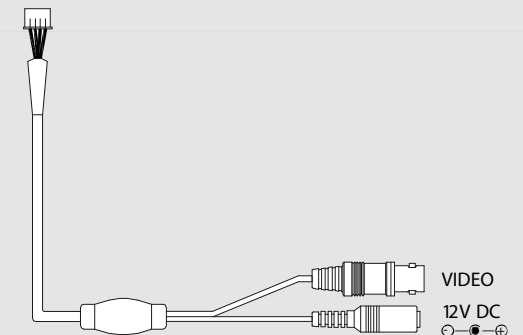


### 1. How to use the OSD Control:



- 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



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**OSD MENU STRUCTURE**

Select Menu	Sub Menu	Summary
<b>1. LENS</b>		
	Type : DC, Video	Auto iris lens(only DC type)
AUTO	Mode : Auto, Open, Close	Auto/Open/Close select
	Speed : 0~255(48)	iris speed select
MANUAL		Manual iris lens
<b>2. SHUTTER/AGC</b>		
	High Luminance	
	Mode : Auto iris, Shut + Auto iris, Shut	
	Brightness : 0~255(30)	Auto exposure setting
AUTO	Low Luminance	
	Mode : AGC, OFF	
	Brightness : X0.25, X0.50, X0.75, X1.00	
	Mode : Shut + AGC	
	Shutter : 1/60(1/50), 1/120(1/100), 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000	Manual exposure setting
MANUAL	AGC : 6.00, 12.00, 18.00, 24.00, 30.00, 36.00, 42.00, 44.80	
<b>3. WHITE BAL</b>		
	Speed : 0~255(250)	
	Delay CNT : 0~255(16)	
	ATW Frame : X0.50, X1.00, X1.50, X2.00	Auto trace white balance setting (1,800°K~ 10,500°K)
ATW	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
<b>4. BACKLIGHT</b>		
OFF		Deactivated function
BLC		Back Light Compensation
HLC		High Light Compensation
<b>5. ATR(=DWDR) (Adaptive Tone Reproduction)</b>		
OFF		Set the ATR to OFF
	Luminance : Low, Mid, High	Set the extent of the luminance compression
ON	Contrast : Low, Midlow, Mid, Midhigh, High	Set the extent of the contrast enhancement

Select Menu	Sub Menu	Summary
<b>6. DAY/NIGHT</b>		
	Burst : OFF, ON	
	Delay CNT : 000~255(005)	
AUTO	Day→Night : 000~255(004)	Day : Color ↔ Night : B/W (Switching time & speed adjustable)
	Night→Day : 000~255(016)	
COLOR		Fixed at color
	Burst : OFF, ON	
	IR Optimizer : OFF, ON	
B/W	Mode : Auto, Center	Fixed at B/W
	Level : 0~31(022)	
EXT1		No use for this model
EXT2		No use for this model
<b>7. NR(=2DNR)</b>		
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
<b>8. PICT ADJUST</b>		
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
<b>9. CAMERA ID</b>		
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
<b>10. MOTION DET</b>		
OFF		Set the motion detection to OFF
ON	Detect sense, Block disp, Monitor area, Area set (Top, Bottom, Left, Right)	Adjust the settings of motion detection
<b>11. PRIVACY</b>		
OFF		Set the privacy masks to OFF
ON	Area set(Top, Bottom, Left, Right), Color, Trasp, Mosaic	Adjust the settings of privacy
<b>12. LANGUAGE</b>		
	English, Japanese, Chinese, Deutsch, Francais, Pyccknn, Portugues, Espanol	Select language
<b>13. CAMERA RESET</b>		
		Restore all the settings to the default values
<b>14. EXIT</b>		
SAVE ALL		Save all the setting made
EXIT		Exit the OSD menu

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