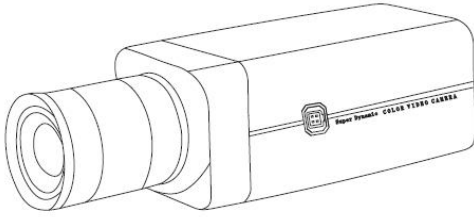




XC700CM(DN) 700TVL Box camera Installation instructions

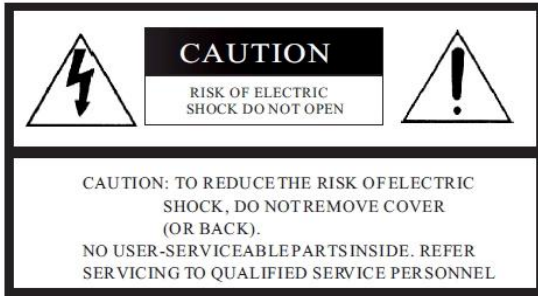


Description:

This camera adopts the newest generation image processing technology, this produces a 700TVL resolution image as well as advanced D-DNR, D-WDR, HBLC and other functions. Powerful OSD menu includes Brightness, Contrast, Saturation adjusting functions; IR CUT functions(optional); Multi-area, White Balance, AGC, and other functions ensure clear bright pictures. Mirror, Privacy and other functions make it suitable for various special environments and realise simple and convenient round-clock surveillance.

Precautions:

Please read these instructions carefully before installing the camera, and keep them for future use.

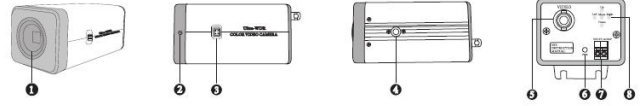


1. use the appropriate DC12V or AC24V, ensure the polarity is correct
2. Do not disassemble the camera, there are no user serviceable parts within.
3. Do not expose the camera to moisture, if mounting externally use an appropriate housing
4. Do not use strong detergents or abrasives to clean the camera
5. Clean the CCD face plate carefully
6. Avoid installing the cameras in areas with excessive interference
7. Avoid pointing the cameras directly at the sun, as this may damage the CCD sensor.

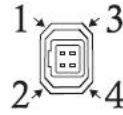
Features:

- 700TVL High resolution
- D-WDR
- Back light compensation
- OSD menu structure
- DC12V / AC24V
- True Day/Night
- 8 Privacy masks

Camera installation:

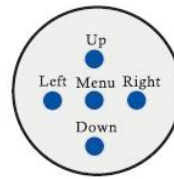


1. CS lens mount
2. Back focus screw
3. DC lens socket
4. Bracket hole
5. Video output
6. Power LED indicator
7. Power input
8. OSD Menu button



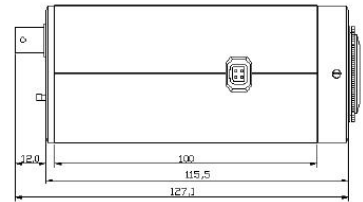
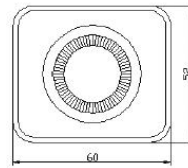
Direct drive lens connections

1. Control -
2. Control +
3. Drive +
4. Drive -



OSD Menu button

Camera Dimensions:



Camera specification:

Model Code	XC700CM(DN)
CCD	1/3" 960H Sony
Resolution	700TVL
Minimum Illumination	0.01Lux @ F1.2
S/N Ratio	>50dB
AES	1/50 ~ 1/100000s
AGC	Auto/Manual
Iris control	ELC and DC lens
Video Output	1Vp-p (BNC)
White balance	Manual/ ATW / USER
Mirror	On/Off
Day/Night	Auto / Col / B&W (DN) Model
Privacy	8 zones
Title	On/Off 15 Characters
2D-DNR	On/Off
D-WDR	On/Off
Sync mode	Internal
Voltage	DC12V / AC24V
Power	<150mA
Lens mount	CS
Dimensions	52(H) x 62(W) x 127(D)
Weight	400g
Storage temp	-20 ~ +50°C
Operating temp	-10 ~ +50°C

OSD Menu set up



EXPOSURE

1. Press MENU button to display SETUP. Move the cursor to EXPOSURE. And move the cursor to LENS by UP and DOWN buttons and set lens by left and right buttons: ELC (manual iris lens); DC drive iris lens. E.SHUTTER and BRIGHT can be set.

EXPOSURE	
▶LENS	ELC ↓
HBLC/D-WDR	OFF
AGC	HIGH
2D-DNR	MID
EXIT	RETURN ↓
LENS-ELC	
▶E. SHUTTER	AUTO
BRIGHT	033
RETURN ↓	

2. Move the cursor to HBLC/D-WDR and set HBLC/D-WDR by left and right buttons: BLC; set BLC by left and right buttons: MANUAL; AUTO. Set AGC: OFF; LOW; MIDDLE; HIGH. Set HBLC by left and right buttons: ALL DAY; ON. When HBLC is ON, you can set SET LEVEL, GRAY MODE and MASK SEL. Set D-WDR by left and right buttons.

HLI	
▶HBLC	
MODE	ALL DAY
SET LEVEL	010
GRAY MODE	BLACK
MASK SEL	MASK 1 ↓
RETURN ↓	
D-WDR	
▶D-WDR LEVEL	010
RETURN ↓	

3. Move the cursor to AGC, and set AGC by left and right buttons: OFF; LOW; MIDDLE; HIGH.
4. Set 2D-DNR by left and right buttons: OFF; LOW; MIDDLE; HIGH.

WHITE BALANCE

1. Move the cursor to COLOR, and set WB MODE by left and right buttons: MANUAL; ATW; AWB; ATW LOCK. When MANUAL is selected, you can set colour temperature.

COLOR	
▶WB MODE	ATW
R-Y GAIN	128
B-Y GAIN	128
EXIT	RETURN ↓
WB-MANUAL	
▶M. WB R	064
M. WB B	064
RETURN ↓	

DAY/NIGHT

1. Move the cursor to DAY&NIGHT, and set DAY&NIGHT by left and right buttons: AUTO; COLOR; WHITE; EXT.

DAY&NIGHT	
▶D&N MODE	AUTO ↓
C_SUP	060
A_SUP	060
EXIT	RETURN ↓
D&N-AUTO	
▶BURST	OFF ↓
DAY>NIGHT	019
NIGHT>DAY	013
DWELL TIME	003
RETURN ↓	
EX-CDS	
▶BURST	OFF
DAY>NIGHT	130
NIGHT>DAY	040
SMART IR	AUTO ↓
DWELL TIME	001
RETURN ↓	
SMART IR-AUTO	
▶LEVEL	001
RETURN ↓	

FUNCTION

1. Move the cursor to FUNCTION. Move the cursor to MIRROR by up and down buttons, and set MIRROR by left and right buttons: ON; OFF. Move the cursor to SHARPNESS, and set SHARPNESS range. Move the cursor to MONITOR, and set MODE type. Move to cursor GAMMA, and set GAMMA range. Move the cursor to LSC, and set it: ON; OFF.

FUNCTION	
▶MIRROR	OFF
SHARPNESS	017
MONITOR	MODE2
GAMMA	0.45
LSC	OFF
EXIT	RETURN ↓
GAMMA-USER	
▶LEVEL	0.20
RETURN ↓	
LSC	
▶LEVEL	0.10
RETURN ↓	

MOTION

1. Move the cursor to MOTION, and set MOTION by left and right buttons: ON; OFF. When MOTION is on, you can set 1-4 AREA; SENSITI.; DISPLAY ICON; ALARM.

MOTION	
▶MOTION	OFF
AREASEL ↓	
SENSITI.	025
DISPLAY	OFF
HOLD TIME	005
ALARM	ON
EXIT	RETURN ↓

MOT-AREA	
▶AREA 1	ON ↓
AREA 2	ON ↓
AREA 3	ON ↓
AREA 4	ON ↓
RETURN ↓	

PRIVACY

1. Move the cursor to PRIVACY, and set MASK1-8 by left and right buttons: OFF; ON. When MASK 1-8 is on, you can set the privacy masks and colour.

PRIVACY	
▶MASK 1	OFF
MASK 2	OFF
MASK 3	OFF
MASK 4	OFF
MASK 5	OFF
MASK 6	OFF
MASK 7	OFF
MASK 8	OFF
EXIT	RETURN ↓

MASK1	
▶DOT SEL	L-TOP
DOT XY	
MOVE XY	
COLOR SET	CRAY
RETURN ↓	

SET UP

1. Move the cursor to SETUP. Move the cursor to TITLE by up and down buttons, and set TITLE by left and right buttons: ON; OFF. When TITLE is on, select different user titles.

SETUP	
▶TITLE	OFF
MANUAL DPC	OFF
AUTO DPC	OFF
OLPF	850
OSD COLOR	BLUE
EXIT	RETURN ↓

USER TITLE	
ABCDEF	GHIJKL MNOP
QRSTU	VWXYZ 0 1 2 3 4 5
6 7 8 9	! # \$ % & () * +
, - . /	: ; < = > ? @ [\] ^ _
← →	CLR POS RET ↓

2. Move the cursor to MANUAL DPC, and set MANUAL DPC by left and right buttons: ON; OFF.

MANUAL DPC-MANUAL	
▶LEVEL	050
RETURN ↓	

3. Move the cursor to AUTO DPC, and set AUTO DPC by left and right buttons: ON; OFF.

AUTO DPC-AUTO	
▶DPC LEVEL	050
DPC RUN ↓	
RETURN ↓	

4. Move the cursor to OLPF, and set OLPF by left and right buttons: 650; 850.

5. Move the cursor to MONITOR, and set MONITOR by left and right buttons: CRT; LCD.

6. Move the cursor to GAMMA and set GAMMA by left and right buttons: 0.45 0.6 1 other

SYSTEM

1. Move the cursor to SYSTEM. Move the cursor to CAMERA ID by up and down buttons and set CAMERA ID by left and right buttons. Move the cursor to COMMUNI., and set COMMUNI.: ON; OFF. When COMMUNI. is on, you can select PROTOCOL and BAUDRATE. Move the cursor to LANGUAGE, and set it: ENGLISH.

SYSTEM	
▶CAMERA ID	001
COMMUNI.	OFF
LANGUAGE	ENGLISH
EXIT	RETURN ↓

EXIT

1. Move the cursor to EXIT. Move the cursor to FACTORY SET by up and down buttons and set it: YES; NO. Moving the cursor SAVE&EXIT is to save the changes you have made and exit. Move the cursor to EXIT and exit the menu directly.

EXIT	
▶FACTORY SET	NO
SAVE&EXIT ↓	
EXIT ↓	