			PRODUCTION RELEASE & REVISION           REV         DESCRIPT'N/BUYER         DWG No         PARTS No.         BY         CHK         DATE
			A INITIAL 50303663 J.Y.LIU M.J.KWON 14-01-20
			B 15p Heater 추가 50303663 J.Y.LIU M.J.KWON 15-01-22 6-22mm lens 추가 50303663 J.Y.LIU M.J.KWON 15-04-01
		ı	
			rev.B-Heater추가 . 재고소진후 루트구분적용 rev.C-6-22mm Lens추가(N2090공용)
			rev.C-b-22mm Lens주가(N2090공용)
	INSTRUCTION MANUAL		
	Yourse         Super High         Resolution         Color Camera	148+/-5)mm	
_	Please read this manual thoroughly before use. and keep it handy for future reference. Design and specifications are subject to change without notice.		NOTES 1.MODEL: HCUI-N4(9)1(5)NN(P)VxU5(H) / NoBrand(@75) 2MATERIAL: 모조지100g/m <sup>2</sup> WHITE 3COLOR: BLACK 4.SIZE:105(+/-5)mm x 148(+/-5)mm 5.LABEL:
	105(+/-5)mm		
	IIIIII(C-\+)CUI		
			50303663
전자			
<u></u>			
장경석			GUIDE +/- 5 K.H.Jung 15-04-01 Manual Instruction
			MATERIAL 2 CHKED W Hwang 15-04-01
<u><u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> </u>			
			3 J.Y.LIU 15-04-01 SCALE DO NOT SCALE

## INSTRUCTION MANUAL

# 700TV Lines Super High Resolution Color Camera

Weatherproof IR Bullet Camera

Please read this manual thoroughly before use, and keep it handy for future reference.

Design and specifications are subject to change without notice.

## FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC INFORMATION : This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**CAUTION** : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **CE COMPLIANCE STATEMENT**

WARNING : This is a Class A poduct. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

## **IMPORTANT SAFETY INSTRUCTIONS**

- 1. Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- Do not block any ventilat ion openings. Install in accord ance with the manufacturer's instructions.
- 6. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 7. Only use attachments/accessories specified by the manufacturer.
- Use only with the ca rt, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.



- 9. CAUTION THESE SERVICING IN STRUCTIONS ARE FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.
- 10. Use satisfy clause 2.5 of IEC60950-1/UL 60950-1 or Certified/Listed Class 2 power source only.
- 11. Indoor use only.

## **EXPLANATION OF GRAPHICAL SYMBOLS**



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

## INTRODUCTION

The camera provides high-quality images using CCD technology especially designed for closed-circuit television (CCTV) and security surveillance applications.

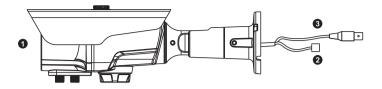
### Features:

- High resolution and high performance 1/3" CCD Technology
- Excellent picture quality
- 700 lines(Color) of resolution
- 0.1 lux(Color), 0 lux(B/W) @ F1.2 50 IRE Sensitivity
- Auto electronic shutter [1/60(1/50) ~ 1/100,000]
- 2D-DNR(Digital Noise Reduction)
- Auto white balance modes
- AGC (Auto Gain Control)
- VIDEO OUT BNC
- 2.8 ~ 12 mm Vari-focal lens
- 6.0 ~ 22 mm Vari-focal lens
- 6.0 ~ 50 mm Vari-focal lens
- Use Certified / Listed Class 2 power source only
- · Camera Mount : Camera mount directly to the wall or ceiling
- Smart IR
- 42EA, 850nm IR LED



**IMPORTANT**: The user of this camera is responsible for checking and complying with local, state, and federal laws and statues concerning the recording and monitoring of audio signals.

## **CAMERA CONNECTIONS**



- 1. Lens: 2.8 ~ 12mm or 6 ~ 22mm or 6 ~ 50mm Vari-focal lens for wide area monitering.
- 3. Video : BNC connector used to connect to a monitor, switcher, etc.
- 2. Power :

Dual Type => 24V AC input / 12V DC input power source from a DC 12V or AC 24V  $\pm$  10% 60/50Hz  $\pm$  1Hz Use Certified/Listed Class 2 power source only. DC 12V Type => DC 12V  $\pm$  10%

\*if using DC 12V power adaptor, use power supply capable of supplying 5 Watts. (IR Model 7 Watts)

3. Video : BNC connector used to connect to a monitor, switcher, etc.

## LENS ADJUSTMENT

Field of view: Adjust setting from Tele (T) to Wide (W) field of View

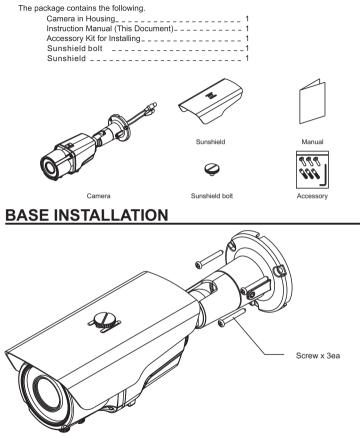
Focus: Adjust lens focus from near (N) to infinity (∞)

## DC AUTO IRIS LENS

Image Size	1/3" CCD	1/3" CCD	1/3" CCD
Focal Length	2.8 - 12.0mm	6.0 - 22.0mm	6.0 - 50.0mm
Aperture Ratio	1:1.4	1:1.6	1:1.6
Angular Field of View	DIAGONAL 2.8mm : 116° 12mm : 36°	DIAGONAL 6mm : 54.3° 22mm : 20.6°	DIAGONAL 6mm : 54.3° 50mm : 7.1°

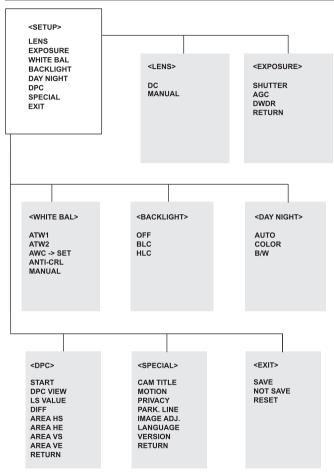


## **CONTENTS of PACKAGE**



Caution "Adjusting the position of the camera after installation could potentially damage the cable"

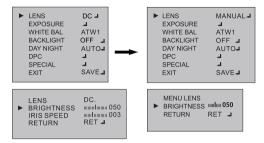
## STRUCTURE OF THE SETUP MENU



### LENS (Selection)

This function is used to adjust the brightness of the screen.

- 1. When the SETUP menu is displayed on the screen, please position the arrow to point to 'LENS' by using the UP and DOWN buttons.
- 2. Please select the type of the lens you wish to use by pressing the LEFT or RIGHT button.



Note The brightness of the screen can be adjusted in DC mode.

### EXPOSURE

The EXPOSURE menu is used to set the automatic light control method for this camera.

- 1) SHUTTER
   Select the shutter mode. (Auto, 1/60(50), FLK~ 1/100,000 sec) Can be changed while in shutter mode.

   2) AGC
   Auto gain control (OFF / LOW / MIDDLE / HIGH)
- 3) DWDR Digital Wide dynamic range(Xtended Dynamic Range) OFF / ON



### WHITE BAL

The screen color can be adjusted by using the WHITE BALANCE function.

1) ATW1 2) ATW2 3) AWC -> SET	Set the color temperature 2500'K 10000'K Set the color temperature 2000'K 13000'K Please press the ENTER button white the camera is directed at a piece of white paper to obtain the optimum state under current illumination. if the environment including the light source is changed, you have to adjust the white balance again.
4) ANTI. CRL	Anti Color Rolling Mode.
5) MANUAL	Manual mode. User can change R and B Gain manually.
INDOOR	Set the color temperature to 3200°K
OUTDOOR	Set the color temperature to 6300°K

#### <WHITE BAL MANUAL MODE>

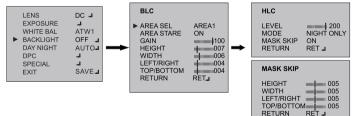


\* It is recommended to use outdoor ATW2 Mode.

### BACK LIGHT

- 1) BLC Prevents such a back light effect to secure a clear image under all illumination environments
- 2) HLC The function improves the identification capability of subjects facing a brightly lit situation by filtering out the strength of the light

#### <BACK LIGHT MODE>



### DAY NIGHT

The DAY/NIGHT menu is used to configure the day and night related setting for this camera. This camera can turn the IR(infrared)filter on or off. Mode : AUTO / COLOR / B/W

#### <DAY NIGHT AUTO MODE>



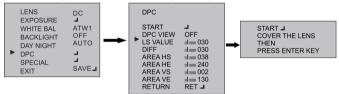
#### <DAY NIGHT B/W MODE>



\*The IR LEVEL is not operating is DAY NIGHT B/W mode.

### DPC

DPC Auto setting (Dead pixels are automatically removed)



### SPECIAL

### 1) CAM TITLE



### Caution

The menu of Camera Title part is not available when Chinese(CMPLX) is selected.

#### A. CAM TITLE

VIEW

RETRURN

OFF

RET

- B. Character Table
- C. Command Line

  - → : Move to right
  - CLR : Erase all characters
  - POS: Move the position of title
  - END: Save and End

#### 2) MOTION

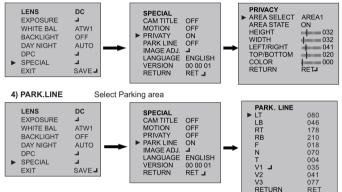
AREA SELECT AREA STATE HEIGHT WIDTH LEFT/RIGHT TOP/BOTTOM DEGREE VIEW	Select I Adjust I Adjust I Adjust I LEFT a Adjust I bounda Adjust I The sci motion	MD C heigh width the lo ary TC sensit reen c is del	N/OFF t of MD area of MD area cation of the MD	area with area with 1 .(0~255) k dots. Whe ected area,	bound bound en a	dary
LENS EXPOSURE WHITE BAL BACKLIGHT DAY NIGHT DPC SPECIAL EXIT	DC ATW1 OFF AUTO AUTO AUTO	-	SPECIAL CAM TITLE MOTION PRIVACY PARK LINE IMAGE ADJ. LANGUAGE VERSION	ONJ ONJ OFF OFF J ENGLISH	+	MOTION AREA SELECT AREA1 AREA STATE ON HEIGHT ulumu3 WIDTH ulumu3 LEFT/RIGHT ulumu3 LEFT/RIGHT ulumu2 DEGREE ulumu32

RETURN

RET

3) PRIVACY	
AREA SELECT	Select MASK area number.(Area 1 ~ Area 8)
AREA STATE	Select MASK ON/OFF
HEIGHT	Adjust height of MASK area
WIDTH	Adjust width of MASK area
LEFT/RIGHT	Adjust the location of the MASK area with boundary LEFT and RIGHT
TOP/BOTTOM	Adjust the location of the MASK area with boundary
	TOP and BOTTOM.
COLOR	Select MASK color. (0~15)
RETURN	

#### <PRIVACY MODE>



5) LANGUAGE

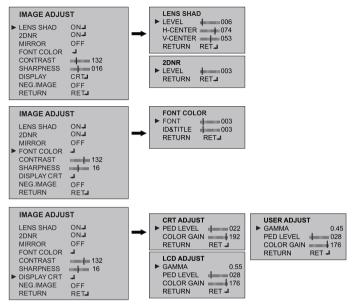
Changed ENGLISH or CHINESE and 7 Language.

6) VISION 7) RETURN Program Upgrade Date RET or SAVE&END

### IMAGE ADJUST

- 1) LENS SHAD Adjust Lens shading level (0~255)
- 2) 2DNR Select 2DNR ON/OFF
- 3) MIRROR Select MIRROR ON/OFF
- 4) FRONT COLOR Select FRONT COLOR level (0~15)
- Select IDR TITLE level (0~15)
- 5) CONTRAST Adjust CONTRAST level (0~255)
- 6) SHARPNESS Adjust SHARPNESS level (0~31)
- 7) DISPLAY Select DISPLAY mode (CRT/LCD/USER)
- 8) NEG. IMAGE Select Negative image mode ON/OFF

#### <IMAGE ADJUST MODE>



### EXIT

1) SAVE	Saves all setting and exits.
2) NOT SAVE 3) RESET	Exits without Saving. Returns to the level which was set by the manufacturer for shipment.
5) KESET	Neturns to the level which was set by the manufacturer for shipment.

## **SPECIFICATIONS**

Function         Power consumption         Heater         840mA(10.0Watts)         1000mA(12.0Watts)           Image sensor         1/3"960H CCD         1/3"960H CCD         1/3"960H CCD           Total pixels         NTSC : 1020(H) x 508(V) / PAL : 1020(H) x 595(V)         Scanning system         2:1 Interface           Scanning system         2:1 Interface         1/3"960H 201/PAL : 150-1/100.000sec         PAL : 150-1/100.000sec           Sync. system         Internal         Internal         Internal           Min. Illumination         0.1 Lux(Color), 0 Lux(BW) IR LE DO N@ F1.2, 50 IRE         IR LED Lighting Distance           Video Output         More than 50dB (AGC off)         Camera Control         OSD (Joystic Switch)           Lens         Manual / DC         Shutter         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec           Brightness         0 ~ 255         Backlight         OFF / BLC / HLC(High Light Compensation)           AGC         OFF / LDW / MIDLE / HIGH         DWDR         OFF / ON           WDR         General         Burst         OFF / ON           Backlight         OFF / BLC / HLC(High Light Compensation)         AGC           AGC         OFF / IDW / MAULA / AWC-SET / ANTI. CRL         Day & Night         Auto / Color / F 0N           WDR         OFF / ON         Smar			MODEL		Dual Type	DC 12V Type	
Function         Power consumption   Heater         840mA(10.0Watts)         1000mA(12.0Watts)           Image sensor         1/3"960H CCD         1000mA(12.0Watts)         1000mA(12.0Watts)           Total pixels         NTSC : 1020(H) x 508(V) / PAL : 1020(H) x 595(V)         Scanning system         2:1 Interface           Scanning system         2:1 Interface         2:1 Interface         2:1 Interface           Son, system         1:1 Interface         2:1 Interface         2:1 Interface           Sync, system         0:1 Lux(Color), 0 Lux(BW) IR LED ON @ F1.2, 50 IRE         1:6 Interface           Electronic shutter         NTSC : 1/60 ~ 1/100,000sec / PAL : 1/50 ~ 1/100,000sec         PAL : 1/50 ~ 1/100,000sec           IR LED Lighting Distance         40M         Sin Ratio         0.1 Lux(Color), 0 Lux(BW) IR LED ON @ F1.2, 50 IRE           Udeo Output         More man 50dB (AGC off)         Camera Control         OSD (Joystic Switch)           Lens         Manual / DC         Sinuter         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec           Backlight         OFF / BLC / HLC (High Light Compensation)         AGC         0 ~ 255           Backlight         OFF / BLC / HLC (High Light Compensation)         AGC           AGC         OFF / ON         Comera Title         OFF / ON           White Balance         ATW		Power	source		AC24V ±10% / DC12V ±10%	DC12V ±10%	
Function         Intege sensor         1000mA(10.0Watts)         1000mA(12.0Watts)           Image sensor         Total pixels         NTSC: 1020(H) x 508(V) / PAL: 1020(H) x 508(V)           Scanning system         2:1 interface           Scanning requency         NTSC: 15.734KHz(H)x59.94Hz(V) / PAL: 15.625KHz(H)x50.90           Scanning requency         NTSC: 15.734KHz(H)x59.94Hz(V) / PAL: 15.027KHz(H)x50.90           Scanning requency         NTSC: 15.734KHz(H)x59.94Hz(V) / PAL: 15.025KHz(H)x50.90           Signa         Internal           Electronic shutter         NTSC: 100 ~ 1/100,000sec / PAL: 1/50 ~ 1/100,000sec           Kin, illumination         0.1 Lux(Color), 0 Lux(BW) IR LED ON @ F1.2, 50 IRR           IR LED / Sensor         IR LED 42EA (850m1 / 40 degree). Sensor 1EA           LED Lighting Distance         40M           Si/N Ratio         1.0 Vp-p (75 ohm, Composite)           Video Output         More than 5008 (AGC off)           Camera Control         OSD (Joystic Switch)           Lens         Auto, 160(1/50), Flickerless, 1/250 ~ 1/100,000sec           Brightness         0 ~ 255           Backlight         OFF / BLC / HLC/High Light Compensation)           AGC         OFF / ON           White Balance         ATW1 / ATW 2/ IAANUAL / AWC-SET / ANTI. CRL           Day & Night	Power			Normal	530mA(7.0Watts)	500mA(6.0Watts)	
Image sensor         1/3* 960H CCD           Total pixels         NTSC: 1020(H) x 508(V) / PAL: 1020(H) x 598(V)           Effective pixels         NTSC: 376(H) x 494(V) / PAL: 1076(H) x 598(V)           Scanning frequency         NTSC: 15.734KHz(H)(59)4Hz(V) / PAL: 15.625KHz(H)x500           Sync. system         NTSC: 15.734KHz(H)(59)4Hz(V) / PAL: 15.625KHz(H)x500           Sync. system         Internal           Electronic shutter         NTSC: 160 ~ 11/100.000sec / PAL: 1/50 ~ 11/100.000sec           Resolution         700TV Lines(COLOR)           Min. illumination         0.1 Lux(Color), 0 Lux(BW) IR LED 0N @ F12.5 0 IRE           IR LED / Sensor         IR LED 42EA (850nm / 40 degree). Sensor 1EA           LED Lighting Distance         40M           SiN Ratio         1.0 Vp-p (75 ohm, Composite)           Video Output         More than 500B (AGC 0f)           Camera Control         OSD (Joystic Switch)           Lens         Manual / DC           Shutter         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec           Backlight         OFF / LC / HLC/High Light Compensation)           AGC         OFF / LC / HLC/Hight Light Compensation)           AGC         OFF / ON           WDR         OFF / ON           BAW         Smart IR           DBAN <t< td=""><td>Power</td><td>consumption</td><td>Heater</td><td>840mA(10.0Watts)</td><td>1000mA(12.0Watts)</td></t<>		Power	consumption	Heater	840mA(10.0Watts)	1000mA(12.0Watts)	
Total pixels         NTSC: 1020(H) x 508(V) / PAL: 1020(H) x 582(V)           Effective pixels         NTSC: 976(H) x 494(V) / PAL: 976(H) x 582(V)           Scanning system         2:1 Interface           Scanning frequency         NTSC: 15.734(KHz(H)x59.94Hz(V) / PAL: 15.625KHz(H)x50)           General         Electronic shutter         NTSC: 1160 ~ 1100.000sec / PAL: 1150 ~ 1100.000sec           Iteral         Electronic shutter         NTSC: 1160 ~ 1100.000sec / PAL: 1150 ~ 1100.000sec           Min. illumination         0.1 Lux(Color), 0 Lux(BW) [R LED ON @ FL2, 50 IRR         IRE LEO / Sensor           IR LED / Sensor         IR LED 42EA (850m) / 40 degree). Sensor 1EA         LED Lighting Distance           Video Culput         More than 50dB (AGC 0ff)         Camera Control         OSD (Joystic Switch)           Lens         Manual / DC         Shutter         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100.000sec           Bightness         0 ~ 255         Backlight         OFF / BLC / HLC(H)AL light Compensation)           AGC         OFF / DN         MW         Marual / DC           Baw         Shight         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100.000sec           Backlight         OFF / BLC / HLC(H)AL light Compensation)           AGC         OFF / BLC / HLC(H)AL light Compensation)           DWDR         OFF / ON <t< td=""><td></td><td colspan="3"></td><td></td><td></td></t<>							
Effective pixels         NTSC : 976(H) x 494(v) / PAL : 976(H) x 582(v)           Scanning system         2:1 interlace           Scanning frequency         NTSC : 15,734KHz(H)x59.94Hz(V) / PAL : 15,625KHz(H)x50)           Sync. system         Internal           Electronic shutter         NTSC : 1/60 - 1/100,000sec / PAL : 1/50 - 1/100,000sec           Resolution         0.1 Lux(Color), 0 Lux(BW) IR LED 00 @ F1.2, 50 IRE           IFR LED / Sensor         IR LED 42EA (850nm / 40 degree), Sensor 1EA           LED Lighting Distance         40M           S/N Ratio         1.0 Vp-p (75 ohm, Composite)           Video Cutput         More than 50dB (AGC off)           Camera Control         OSD (Joystic Switch)           Lens         Manual / DC           Shutter         Auto, 1/60(1/50), Flickerless, 1/250 - 1/100,000sec           Backlight         OFF / BLC / HLC (Hgh Light Compensation)           AGC         OFF / LOW / MIDDLE / HIGH           DWDR         OFF / ON           WDR         OFF / ON           WDR         OFF / ON           Burst         OFF / ON           DWDR         OFF / ON           BWB         Mart / ATW2 / MANUAL / AWC-SET / ANTI. CRL           Day & Night         Auto / Color / B&W           BWDR         OFF					NTSC : 1020(H) x 508(V)	(PAL 1020(H) x 596(V)	
Scanning system         2:1 interlace           Sonning frequency         NTSC: 15.734KHz(H)x59.94Hz(V) / PAL:15.625KHz(H)x50           Sync. system         Internal           Electronic shutter         NTSC: 1/60 ~ 1/100.00sec           Hintmain         0.1 Lux(Color), 0 Lux(BW), IR LED ON @ F1.2, 50 IRR           Min. illumination         0.1 Lux(Color), 0 Lux(BW), IR LED ON @ F1.2, 50 IRR           IR LED / Sensor         IR LED 42EA (850m) / 40 degree). Sensor 1EA           LED Lighting Distance         40M           S/N Ratio         1.0 Vp- p(75 ohm, Composite)           Video Output         More than 50dB (AGC off)           Camera Control         OSD (Joystic Switch)           Lens         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec           Brightness         0 ~ 255           Backlight         OFF / LC / HuC (High Light Compensation)           AGC         OFF / LOW / MIDDLE / HIGH           DWOR         OFF / ON           B&W         Bmart IR           Booklight         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec           Backlight         CFF / ON           B&W         IR Level           DwDR         OFF / ON           B&W         Revel           DWAN         Genera Title							
Scanning frequency         NTSC:15.734KHz(H)x59.94Hz(V) / PAL:15.625KHz(H)x50           Sync. system         Internal           Sync. system         NTSC: 1/60 ~ 1/100.000sec / PAL: 1/50 ~ 1/100.000se           Resolution         700TV Lines(COLOR)           Min. illumination         0.1 Lux(Color), 0 Lux(RW) IR LED ON @ F1.2, 50 IRE           IED Lighting Distance         40M           S/N Ratio         1.0 Vp-p (75 ohm, Composite)           Video Output         More than 50dB (AGC off)           Camera Control         OSD (Joystic Switch)           Lens         Manual / DC           Shutter         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec           Backlight         OFF / BLC / HLC(High Light Compensation)           AGC         OFF / LOW / MIDDLE / HIGH           DWDR         OFF / ON           WWR         Auto / Color / F AW           Bavest         OFF / ON           BW         IR Level           Dwy & Night         Auto / Color / BW           BW         IR Level           Camera Title         OFF / ON           BWW         Resolution           Function         Finage           Vile Balance         OFF / ON           BW         IR Level           Low							
Sync.system         Internal           General         Electronic shutter         NTSC : 1/60 ~ 1/100.000sec / PAL : 1/50 ~ 1/100.000sec           Resolution         0.1 Lux(Color), 0 Lux(BW) IR LED ON @ F1.2, 50 IRF           Iminitiumination         0.1 Lux(Color), 0 Lux(BW) IR LED ON @ F1.2, 50 IRF           IR LED / Sensor         IR LED 42EA (850m) / 40 degree), Sensor 1EA           SNN Ratio         1.0 Vp- (75 ohm, Composite)           Video Output         More than 500B (AGC off)           Camera Control         OSD (Joystic Switch)           Lens         Manual / DC           Shutter         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec           Backlight         OFF / LC / HLC/High Light Compensation)           AGC         OFF / LOW / MIDLE / HIGH           DWDR         OFF / ON           WDR         OFF / ON           Basklight         OFF / ON           BAN         Smart IR           Burst         OFF / ON           BAN         Rure - OFF / ON           DAN         Rure - OFF / ON           BAN         Rure - OFF / ON           BAN         Rure - OFF							
General         Electronic shutter         NTSC : 1/80 ~ 1/100,000sec /PAL : 1/50 ~ 1/100,000sec           Min         Winnimation         0.1 Lux(Color), 0 Lux(BW) (R LED ON @ F1.2, 50 (RE)           IED Lighting Distance         IR LED 42EA (850nm / 40 degree), Sensor 1EA           LED Lighting Distance         1.0 Vp-p (75 ohm, Composite)           Video Output         More than 50dB (AGC off)           Camera Control         OSD (Joystic Switch)           Lens         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,00sec           Brightness         0 ~ 255           Backlight         OFF / BLC / HLC / HLG H Light Compensation)           AGC         OFF / LOV / MIDDLE / HIGH           DWDR         OFF / DN           DWDR         OFF / ON           DWDR         OFF / ON           White Balance         ATW1 / ATW2 / MANUAL / AWC->SET / ANTI. CRL           Day & Night         Auto / Color / B&W           Bww         Burst         OFF / ON           Regare         OFF / ON           Privacy Mask         OFF / ON           Mirror         OFF / ON           Camera Title         OFF / ON           Contrast         0 ~ 255           Display         CRT / LOO / USER           Lens Shading         OFF / ON<							
Resolution         700TV Lines(COLOR)           Min. illumination         0.1 Lux(Color), 0 Lux(RW) IR LED ON @ F1.2, 50 IRI           IR LED Lighting Distance         40M           S/N Ratio         1.0 Vp-p (75 ohm, Composite)           Video Output         More than 50dB (AGC off)           Camera Control         0.0 (Lux)(CCHipAL isolation)           Lens         Manual / DC           Shutter         Auto, 1/60(1/50, Fickerless, 1/250 - 1/100,000sec           Brightness         0 - 255           Backlight         OFF / LC / HLC (High Light Compensation)           AGC         OFF / LC // HLC (Hight Light Compensation)           AGC         OFF / LOW / MIDDLE / HIGH           DWDR         OFF / ON           White Balance         ATW1 / ATW2 / MANUAL / AWC->SET / ANTI. CRL           Day & Night         Auto / OFF / ON           B&W         Burst         OFF / ON           B&W         Burst         OFF / ON           B&W         Smart IR         OFF / ON           B&W         Ruret         Lens / High           Camera Title         OFF / ON           B&W         Burst         OFF / ON           B&W         Revel         Low / High           Camera Title         OFF / ON </td <td>General</td> <td colspan="3"></td> <td colspan="3"></td>	General						
Min. illumination         0.1 Lux(Color), 0 Lux(BW) [R LED ON @ F1.2, 50 [R]           IR LED / Sensor         IR LED 42EA (850nn / 40 degree), Sensor 1EA           LED Lighting Distance         10 Vp-p (75 ohm, Composite)           Video Output         More than 50dB (AGC off)           Camera Control         OSD (Joystic Switch)           Lens         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec           Brightness         0 ~ 255           Backlight         OFF / BLC / HLC/High Light Compensation)           AGC         OFF / LDC / HLC/High Light Compensation)           AGC         OFF / LOW / MIDDLE / HIGH           DWDR         OFF / 10N           DWDR         OFF / 10N           DWDR         OFF / 10N           DWDR         OFF / 10N           DWV         Mite Balance           AGC         OFF / 10N           DWN         Barat IR           OFF / 10N         BW           IR Level         Low / High           Lens Shading         OFF / 10N           Mitror         OFF / 10N           P         ZDNR         OFF / 10N           Contrast         0 ~ 255           P         ZDNR         OFF / 0N           C         Font Color	General				700TV Lines(COLOR)		
IR LED / Sensor         IR LÉD / AZEA (850nm / 40 degree), Sensor 1EA           LED Lighting Distance         40M           S/N Ratio         1.0 Vp-p (75 ohm, Composite)           Video Output         More than 50dB (AGC off)           Camera Control         OSD (Joystic Switch)           Lens         Manual / DC           Shutter         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec           Brightness         0 ~ 255           Backlight         OFF / LC //LC(High Light Compensation)           AGC         OFF / LC //LC(High Light Compensation)           AGC         OFF / LOW / MIDDLE / HIGH           DWDR         OFF / ON           White Balance         ATW1 / ATW2 / MANUAL / AWC->SET / ANTI. CRL           Day & Night         Auto / Color / B&W           B&W         Barst IR         OFF / ON           B&W         Smart IR         OFF / ON           B&W         Bwrst         OFF / ON           B&W         Ritrevel         Low / High           Camera Title         OFF / ON           B&W         Bwrst         OFF / ON           B&W         Bwrst         OFF / ON           Contrast         0 ~ 255         Desplay           Controtst         0 ~ 255							
LED Lighting Distance         40M           S/N Ratio         1.0 Vp-p (75 ohm, Composite)           Video Quiput         More than 50dB (AGC 0ff)           Camera Control         OSD (Joystic Switch)           Lens         Manual / DC           Shutter         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec           Brightness         0 ~ 255           Backlight         OFF / BLC / HLC(Hald Light Compensation)           AGC         OFF / LOW / MIDDLE / HIGH           DWDR         OFF / ON           White Balance         ATW1 / ATW2 / MANUAL / AWC-SET / ANTI. CRL           Day & Night         Auto (Color / B&W           Bww         Barrst         OFF / ON           Camera Title         OFF / ON           Privacy Mask         OFF / ON           Camera Title         OFF / ON           Display         OFF / ON           Lens Shading         O ~ 255							
S/N Ratio         1.0 Vp-p (75 ohm, Composite)           Video Cutput         More than 50dB (AGC off)           Camera Control         OSD (Joystic Switch)           Lens         Manual / DC           Shutter         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec           Bracklight         OFF / BLC / HLC (High Light Compensation)           AGC         OFF / BLC / HLC (Hight Light Compensation)           AGC         OFF / LC // UC/ (High Light Compensation)           AGC         OFF / IC // HC (Hight Compensation)           AGC         OFF / IC // HC (Hight Compensation)           AGC         OFF / IOW / MIDDLE / HIGH           DWDR         OFF / ON           White Balance         ATW1 / ATW2 / MANUAL / AWC-SET / ANTI. CRL           Day & Night         Auto / Color / B&W           BWN         Burst         OFF / ON           BWN         Burst         OFF / ON           BWN         Reare Title         OFF / ON           BWN         Reare Title         OFF / ON           Privacy Mask         OFF / ON           Contrast         0 ~ 255)           2DNR         OFF / ON           Contrast         0 ~ 255           Contrast         0 ~ 255           Depolay				се			
Video Output         More than 5008 (AGC off)           Camera Control         OSD (Joystic Switch)           Lens         Manual / DC           Shutter         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec           Brightness         0 ~ 255           Backlight         OFF / BLC / HLC (High Light Compensation)           AGC         OFF / BLC / HLC (High Light Compensation)           MGC         OFF / ON           White Balance         ATW1 / ATW2 / MANUAL / AWC-SET / ANTI. CRL           Day & Night         Auto / Color / B&W           Barst         OFF / ON           BWW         IR Level         Low / High           Camera Title         OFF / ON           Motion Detec         OFF / ON           Privacy Mask         OFF / ON           P         DAN         OFF / ON           P         Display         OFF / ON           Video output         OFF / ON         Display           Contrast         0 ~ 255         Derivacy Mask           Display         COrt / DoN / Detec         OFF / ON           Lens Shading         OFF / ON         Detec           Display         CRT / LCD / USER         Napaness           Nega Image         Doref / ON <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Camera Control         OSD (Joystic Switch)           Lens         Manual / DC           Shutter         Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec           Brightness         0 ~ 255           Backlight         OFF / BLC / HLC(High Light Compensation)           AGC         OFF / LC / HLC(High Light Compensation)           AGC         OFF / LC / HLC(High Light Compensation)           AGC         OFF / I.CV / MIDDLE / HIGH           DWDR         Auto / Color / B&W           Day & Night         Auto / Color / BW           Baws         OFF / ON           BW         Burst         OFF / ON           B&W         Smart IR         OFF / ON           B&W         IR Level         Low / High           Camera Title         OFF / ON           BW         IR Level         Low / High           Contrast         OFF / ON           Cont Color         Font 15 Color, ID&Title 15 Color           C         Font Color, ID&Title 15 Color           C         Font 15 Color, ID&Title 15 Color           C         Font Color, ID&Title 15 Color           C         Font 15 Color, ID&Title 15 Color           C         Font 15 Color, ID&Title 15 Color           C         Font 15							
Lens         Manual / DC           Shutter         Auto, 1/60(150), Flicketess, 1/250 ~ 1/100,000sc.           Brightness         0 ~ 255           Backlight         OFF / BLC / HLC (High Light Compensation)           AGC         OFF / LOW / MIDDLE / HIGH           DWDR         OFF / ON           White Balance         ATW1 / ATW2 / MANUAL / AWC-SET / ANTI. CRL           Day & Night         Auto / Color / B&W           Baw         Barst         OFF / ON           BAW         Brant R         OFF / ON           BAW         Brant R         OFF / ON           Motion Detec         OFF / ON         Privacy Mask           Camera Title         OFF / ON         Privacy Mask           P         2DNR         OFF / ON           P         Display         OFF / ON           C         Font Color         Font to Cor           P         Display         OFF / ON           Language         English / Traditional Chinese / German / French / Span           Language         English / Traditional Chinese / Simplified Chinese           DFC         Dearhast         0 ~ 31           Reset         Not Save / Return           Power input         2-Pin wire / Terminal Block / DC Jack		Camer	a Control				
Brightness         0 ~ 255           Backlight         OFF / BLC / HLC/High Light Compensation)           AGC         OFF / LOW / MIDDLE / HIGH           DWDR         OFF / ON           White Balance         ATW1 / ATW2 / MANUAL / AWC-SET / ANTI. CRL           Day & Night         Auto / Color / B&W           Barst         OFF / ON           BMN         Bmart IR           Bmart IR         OFF / ON           Motion Detec         OFF / ON           Privacy Mask         OFF / ON           Motion Detec         OFF / ON           Privacy Mask         OFF / ON           P         DNR         OFF / ON           P         DSNR         OFF / ON           P         DSNR         OFF / ON           P         DSNR         OFF / ON           P         DSPR         OFF / ON           C         Font Color         Font ON (D ~ 255)           P         DSPR         OFF / ON           Lens Shading         OFF / ON           Language         English / Traditional Chinese / German / French / Span           Language         English / Traditional Chinese / German / French / Span           Display         CRT / LCD / USER		Lens					
Backlight         OFF / BLC / HLC / HLG / High Light Compensation) AGC           AGC         OFF / LOW / MIDDLE / HIGH           DWDR         OFF / DN           White Balance         ATW1 / ATW2 / MANUAL / AWC-SET / ANTI. CRL           Day & Night         Autor / ATW2 / MANUAL / AWC-SET / ANTI. CRL           Day & Night         Autor / Color / BaW           Bww         Burst         OFF / ON           Baw         Smart IR         OFF / ON           Bww         IR Level         Low / High           Camera Title         OFF / ON           Motion Detec         OFF / ON           P         ZDNR         OFF / ON           C         Fort Color         Font Color           C         Font Color         Font Solor, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           Display         CRT / LCD / US		Shutter	r		Auto, 1/60(1/50), Flickerle:	ss, 1/250 ~ 1/100,000sec	
AGC         OFF / LOW / MIDDLE / HIGH           DWDR         OFF / LOW / MIDDLE / HIGH           DWDR         OFF / ON           White Balance         ATW1 / ATW2 / MANUAL / AWC->SET / ANTI. CRL           Day & Night         Auto / Color / B&W           DBN         Smart IR           DAN         Smart IR           Camera Title         OFF / ON           Motion Detec         OFF / ON           Privacy Mask         OFF / ON           Privacy Mask         OFF / ON           Miror         OFF / ON           Pariacy Mask         OFF / ON           Privacy Mask         OFF / ON           Pariacy Mask         OFF / ON           Contrast         O ~ S1           Display         OFF / ON           Contrast         0 ~ 255           Display         CRT / LCD / USER           Nega Image         OFF / ON           Language         English / Traditional Chinese / German / French / Span           DPC         Deat Pixel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Video output         BNC Connector           DPC         Deat Pixel Cancellation (Auto 247 Points)           Video output         BNC Con		Brightn	iess		0~2	255	
DWDR         OFF / ON           White Balance         ATW1 / ATW2 / MANUAL / AWC-SET / ANTI. CRL           Day & Night         Auto / Color / B&W           Baw         Smart IR         OFF / ON           B&W         Smart IR         OFF / ON           B&W         Revel         Low / High           Gamera Title         OFF / ON           Motion Detec         OFF / ON           Motion Detec         OFF / ON           Motion Detec         OFF / ON           Camera Title         OFF / ON           Motion Detec         OFF / ON           Contrast         OFF / ON           C         Font Color         Font Sclor, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           Degrating Runge         Cantrast		Backlig	ght		OFF / BLC / HLC(High	Light Compensation)	
White Balance         ATW1 / ATW2 / MANUAL / WC-SET / ANTI. CRL Day & Night           Day & Night         Auto / Color / B&W           Day & Night         OFF / ON           B&W         Smart IR         OFF / ON           BW         IR Level         Low / High           Camera Title         OFF / ON           Motion Detec         OFF / ON           Privacy Mask         OFF / ON           Privacy Mask         OFF / ON           Common Color         Font So Color, ID&Title 15 Color           Contrast         0 ~ 255           Display         CRT / LCD / USER           Nega Image         0 ~ 31           Display         CRT / LCD / USER           Nega Image         OFF / ON           Language         English / Traditional Chinese / German / French / Span           DPC         Dead Pixel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Power input         2-Pin wire / Treminal Block / DC Jack           Video output         BNC Connector           Bas         Traditonal Chinese / German / French / Span           Lens Mount         Fixed Mount           Fixed Mount         Fixed Mount           Connector         Fixed Mount <t< td=""><td></td><td>AGC</td><td></td><td></td><td></td><td></td></t<>		AGC					
Day & Night         Auto / Color / B&W           Barst         OFF / ON           Smart IR         OFF / ON           B&W         Smart IR         OFF / ON           B&W         Smart IR         OFF / ON           Camera Title         OFF / ON           Motion Detec         OFF / ON           Motion Detec         OFF / ON           Motion Detec         OFF / ON           Lens Shading         OFF / ON           Comera Title         OFF / ON           Motion Detec         OFF / ON           Lens Shading         OFF / ON           Contrast         0 ~ 255           Contrast         0 ~ 255           Shapness         0 ~ 31           Language         Language           Language         Japanese / Russian           DPC         Dead Pixel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Power input         2-Pin wire / Terminal Block / DC Jack           Video output         BNC Connector           A etc.         Goperating Temp.           Operating Temp.         Normal           14 F - 122 F (-100 C ~ 450 C)           Operating Temp.         Normal           H		DWDR	1				
Bank Bawk         Burst Smart IR         OFF / ON           Bawk         Smart IR         OFF / ON           IR Level         Low / High           Camera Title         OFF / ON           Motion Detec         OFF / ON           P         ZDNR         OFF / ON           Contrast         OFF / ON           A         Minor         OFF / ON           E         Minor         OFF / ON           Contrast         0 ~ 255           Display         CRT / LCD / USER           Nega Image         O ~ 31           Display         CRT / LCD / USER           Language         Japanese / Roscilation (Auto 247 Points)           Reset         Not Save / Return           Power input         2-Pin wire / Terminal Block / DC Jack           Video output         BNC Connector           Day & Night System         True ICR           Lens Mount         Fixed Mount           Fixed Mount         Fixed Mount           Connector         4           Øperating Temp.         Mormal           Inter 122 F (-10 C ~ 50 C)         Operating Numidit		White I	Balance		ATW1 / ATW2 / MANUAL / AWC->SET / ANTI. CRL		
Band         Burst         OFF / ON           Baw         Smart IR         OFF / ON           IR Level         Low / High           Camera Title         OFF / ON           Motion Detec         OFF / ON           P         ZDNR         OFF / ON           Lens Shading         OFF / ON           P         ZDNR         OFF / ON           Contrast         0 ~ 255)           Contrast         0 ~ 255           Shapness         0 ~ 31           Display         CRT / LCD / USER           Nega Image         OFF / ON           Language         Language         Logend Chinese / Geman / French / Span           DPC         Dead Pixel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Video output         ENStammed Chinese / Geman / French / Span           Lens Mount         Fread Nount           Fread Nount         Fixed Mount           Connector         A           A         Operating Temp.           Video output         Fixed Mount           Fixed Mount         Fixed Mount           Connector         A           a         Operating Temp.           Motin Lens		Day &	Night		Auto / Color / B&W		
D&N B&W         Smart IR B&W         OFF / ON B&W           Function         S         Gmera Title         Low / High Camera Title         OFF / ON OFF / ON           Privacy Mask         OFF / ON Privacy Mask         OFF / ON DFF / ON         DF           P         ZDNR         OFF / ON Privacy Mask         OFF / ON OFF / ON           E         Mirror         OFF / ON Contrast         OFF / ON OFF / ON           L         Font Color         Font to Conrol, ID&Title 15 Color, ID&Title 15 Color           L         Display         OFF / ON OFF / ON           Display         CRT / LCD / USER           Nega Image         OFF / ON Japanese / Russian / Portuguese / Simplified Chinese           DPC         Dear Pixel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Video output         ENSter Treminal Block / DC Jack           Video output         Fixed Mount           Lens Mount         Fixed Mount           Fixed Mount         Fixed Mount           Coperating Temp.         Normal           4etc.         Operating Temp.           Operating Temp.         Normal           Heater         -222 F ~ 122 F (130 C ~ +50 C)					OFF / ON		
B&W         IR Level         Low / High           Function         Gamera Title         OFF / ON           Motion Detec         OFF / ON           Motion Detec         OFF / ON           P         ZDNR         OFF / ON           Contrast         OFF / ON           C         Font Color         Font Sclor, ID&Title 15 Color, ID           C         Font Color         Font Sclor, ID           C         Font Color         Font Sclor, ID           L         Display         CRT / LCD / USER           Nagae         Japanese / Russian / Portuguese / Simplified Chinese           DPC         Dead Pixel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Power input         2-Pin wire / Terminal Block / DC Jack           Video output         BNC Connector           A etc.         Goperating Temp.           Video output         Fixed Mount           Fe-20mm         F1.6 ~ 360 Varifocal, ICR (D&N)           reset         Fixed Mount           Connector         Fe-20mm           a etc.         Operating Temp.           Meater         -22E (-10 C ~ 50 C)           Operating Temp.         Normal           Heater							
Function         Camera Title         OFF / ON           Motion Detec         OFF / ON         OFF / ON           Privacy Mask         OFF / ON         OFF / ON           Privacy Mask         OFF / ON         OFF / ON           ZDNR         OFF / ON         OFF / ON           Contrast         OFF / ON         OFF / ON           C         Font Color         Font 15 Color, ID&Title 15 Color           C         Font Color         Font 15 Color, ID&Title 15 Color           Sharpness         0 ~ 31         Display           Display         CRT / LCD / USER           Nega Image         OFF / ON           Language         English / Traditional Chinese / German / French / Span           DPC         Dead Yixel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Video output         BNC Connector           Video output         Fixed Mount           Fixed Mount         Fixed Mount           Lens Mount         Fixed Mount 14 ~ 360 Varifocal, ICR (D&N)           re6-comm         Fi.8 ~ 360 Varifocal, ICR (D&N)           operating Temp.         Normal         14 F ~ 122 F (-10 C ~ +50 C)           Heater         -22 F ~ 122 F (-30 C ~ +50 C)         Operating humidity </td <td></td> <td>B&amp;W</td> <td colspan="2"></td> <td></td> <td></td>		B&W					
Function         Motion Detec         OFF / ON           P         Privacy Mask         OFF / ON           Lens Shading         OFF / ON         OFF / ON           Lens Shading         OFF / ON         OFF / ON           Contrast         OFF / ON         OFF / ON           C         Font Color         Font 15 Color, ID8 Title 15 Color           A         Sharpness         0 ~ 31           Display         CRT / LCD / USER           Language         English / Traditional Chinese / German / French / Span           Japanese / Russian         Portugues / Simplified Chinese           DPC         Dead Pixel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Power input         2-Pin wire / Terminal Block / DC Jack           Video output         BNC Connector           Lens Mount         Fre-8-2mm F14 ~ 360 Varifocal, ICR (D&N)           f=6-2mm F14 ~ 360 Varifocal, ICR (D&N)         f=6-50mm F16 ~ 360 Varifocal, ICR (D&N)           etc.         Operating Temp.         Normal         14 F - 122 F (-10 C ~ +50 C)           Operating humidity         0 - 96% (non-condensing)         0         0							
S         Privacy Mask         OFF / ON           Lens Shading         OFF / ON         255           2DNR         OFF / ON         255           2DNR         OFF / ON         0FF / ON           C         Font Color         Font 15 Color, ID&Title 15 Color           I         Contrast         0 ~ 255           Sharpness         0 ~ 31           Nega Image         OFF / ON           L         Nega Image         OFF / ON           DPC         Dead Pixel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Power input         2-Pin wire / Terminal Block / DC Jack           Video output         BNC Connector           A         Ens Mount         Fixed Mount           Fixed Mount         Fixed Mount           Connector         A           &         Operating Temp.           A         Operating Temp.           Operating Temp.         Normal           14 F - 122 F (-10 C - 450 C)           Operating humidity         0 - 96% (non-condensing)	Eurotion						
S         Lens Shading         OFF / ON(0 ~ 255)           P         ZDNR         OFF / ON           E         Mirror         OFF / ON           C         Font Color         Font 15 Color, ID&Title 15 Color           I         Contrast         0 ~ 255           A         Display         CRT / LCD / USER           L         Nega Image         OFF / ON           Display         CRT / LCD / USER           Language         English / Traditional Chinese / German / French / Span           DPC         Dead Prayer / Russian / Portuguese / Simplified Chinese           DPC         Dead Prayer / Russian / Portuguese / Simplified Chinese           Reset         Not Save / Return           Power input         2-Pin wire / Terminal Block / DC Jack           Video output         BNC Connector           Day & Night System         True ICR           Lens Mount         Fize8 / 2mm F1.4 ~ 360 Varifocal, ICR (D&N)           f=6-22mm F1.4 ~ 360 Varifocal, ICR (D&N)         f=6-22mm F1.6 ~ 360 Varifocal, ICR (D&N)           gett.         Operating Temp.         Normal         14'F ~ 122'F (-10'C ~ +50'C)           Operating humidity         0 - 96% (non-condensing)         0 - 96% (non-condensing)	FUNCTION						
P         ZDNR         OFF / ON           E         Mirror         OFF / ON           C         Font Color         Font Solor, ID&Title 15 Color, ID&Title 15 Color           I         Contrast         0 ~ 255           Sharpness         0 ~ 31           Display         CRT / LCD / USER           L         Mega Image         English / Traditional Chinese / German / Fench / Span           DPC         Dead Pixel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Video output         2-Pin wire / Terminal Block / DC Jack           Video output         Fixed Mount           Ens Mount         Fixed Mount           Connector         4           etc.         Operating Temp.           Operating Temp.         Normal           Heater         -22F - 122 F (-10 C ~ +50 C)           Operating humidity         0 - 96% (non-condensing)		S					
E         Mirror         OFF / ON           C         Font Color         Font 15 Color, 10& Title 15 Color           I         Contrast         0 ~ 255           Sharpness         0 ~ 21           Display         CRT / LCD / USER           Nega Image         OFF / ON           DPC         Dead Pixel Concellation (Aub 247 Points)           Reset         Not Save / Return           Video output         2-Pin wire / Treminal Block / DC Jack           Video output         BNC Connector           A         fre6-28nm F1.4 ~ 360 Varifocal, ICR (D&N)           Connector         fre6-22mm F1.4 ~ 360 Varifocal, ICR (D&N)           Connector         fre6-20mm F1.6 ~ 360 Varifocal, ICR (D&N)           Goperating Temp.         Normal         14 F - 122 F (-10 C ~ 450 C)           Operating Temp.         Normal         14 F - 122 F (-10 C ~ 450 C)           Operating humidity         0 - 96% (non-condensing)         0		Р					
C         Font Color         Font 15 Color, ID&Title 15 Color           A         Contrast         0 ~ 255           Sharpness         0 ~ 31           Language         CRT / LCD / USER           Language         Language           DPC         Dead Pixel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Power input         2-Pin wire / Terminal Block / DC Jack           Video output         BNC Connector           Lens Mount         Fixed Mount           f=2-12mm F1.4 ~ 360 Varifocal, ICR (D&N)           etc.         Operating Temp.           Operating Temp.         Normal           14 F - 122 F (-10 C ~ +50 C)           Operating humidity         0 - 96% (non-condensing)		-					
I         Contrast         0 ~ 255           Sharpness         0 ~ 31           Display         CRT / LCD / USER           Nega Image         OFF / ON           Language         English / Traditional Chinese / German / French / Span           DPC         Dead Pixel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Video output         BNC Connector           Video output         Fixed Mount           Lens Mount         Fixed Mount           Fixed Mount         Fixed Mount           Connector         f=6-28-12mm F1.4 ~ 360 Varifical, ICR (D&N)           etc.         Operating Temp.           Operating Temp.         Normal           Heater         -22F - 122F (-130 C ~ +50 C)           Operating humidity         0 - 96% (non-condensing)							
A L         Sharpness         0 ~ 31           Display         CRT / LCD / USER           Nega Image         OFF / ON           Language         English / Traditional Chinese / German / French / Span Japanese / Russian / Portuguese / Simplified Chinese           DPC         Dead Partel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Power input         2-Pin wire / Terminal Block / DC Jack           Video output         BNC Connector           Day & Night System         True ICR           Lens Mount         Fized Hum (14 ~ 360 Varifocal, ICR (D&N)           f=6-22mm F1.4 ~ 360 Varifocal, ICR (D&N)         f=6-50mm F1.6 ~ 360 Varifocal, ICR (D&N)           etc.         Operating Temp.         Normal         14 F - 122 F (-10 C ~ +50 C)           Operating humidity         0 - 96% (non-condensing)         0         96% (non-condensing)							
A L         Display         CRT / LCD / USER           Nega Image         OFF / ON           Language         English / Traditional Chinese / German / French / Span Japanese / Russian / Portuguese / Simplified Chinese           DPC         Dead Pixel Cancellation (Auto 241 Points)           Reset         Not Save / Return           Video output         BNC Connector           Days Night System         True ICR           Lens Mount         Fixed Mount           f=6-22mm         F1.6 ~ 360 Varifocal, ICR (D&N)           ctc.         Operating Temp.           Operating Temp.         Normal           Heater         -22F - 122 F (-10 C ~ +50 C)           Operating humidity         0 - 96% (non-condensing)							
L         Nega Image         OFF / ON           Language         English / Traditional Chinese / German / French / Span Japanese / Russian / Portuguese / Simplified Chinese           DPC         Dead Pixel Cancellation (Auto 247 Points) Reset           Power input         2-Pin wire / Terminal Block / DC Jack           Video output         BNC Connector           Day & Night System         True ICR           Lens Mount         Fixed Mount           f=2.8-12mm F1.4 ~ 360 Varifocal, ICR (D&N)           % etc.         Operating Temp.           Operating Temp.         Normal           14'F ~ 122'F (-10'C ~ +50'C)           Operating humidity         0 ~ 96% (non-condensing)		A					
Language         English / Traditional Chinese / German / French / Span Japanese / Russian / Portuguese / Simplified Chinese DPC           DPC         Dead Pixel Cancellation (Auto 247 Points) Not Save / Return           Power input         2-Pin wire / Terminal Block / DC Jack           Video output         BNC Connector           Day & Night System         True ICR           Lens Mount         Fixed Mount           f=2.8-12mm F1.4 ~ 360 Varifocal, ICR (D&N)           etc.         Operating Temp.           Vormal         14 F - 122 F (-10 C ~ +50 C)           Operating Temp.         Normal           Heater         -22 F ~ 122 F (-30 C ~ +50 C)           Operating humidity         0 - 96% (non-condensing)		L	L				
Language         Japanese / Russian / Portuguese / Simplified Chines           DPC         Dead Pixel Cancellation (Auto 247 Points)           Reset         Not Save / Return           Power input         2-Pin wire / Terminal Block / DC Jack           Video output         BNC Connector           Day & Night System         True ICR           Lens Mount         Fized Mount           f=2.8-12mm F1.4 ~ 360 Varifocal, ICR (D&N)           &         f=6-52mm F1.6 ~ 360 Varifocal, ICR (D&N)           @ etc.         Operating Temp.           Operating Temp.         Normal           Operating humidity         0 ~ 96% (non-condensing)			Nega Image				
DPC         Dead Pixel Cancellation (Audres / Singing Control           Reset         Not Save / Return           Power input         2-Pin wire/ Terminal Block / DC Jack           Video output         BNC Connector           Day & Night System         True ICR           Lens Mount         Fixed Mount           f=2-8-12mm F1.4 ~ 360 Varifocal, ICR (D&N)           connector         4           &         Govarifocal, ICR (D&N)           etc.         Operating Temp.           Operating Temp.         Normal           Heater         -22F - 122F (-10 C ~ +50 C)           Operating humidity         0 - 96% (non-condensing)			Languago				
Reset         Not Save / Return           Power input         2-Pin wire / Terminal Block / DC Jack           Video output         BNC Connector           Day & Night System         True ICR           Lens Mount         Fixed Mount           f=2.8-12mm F1.4 ~ 360 Varifocal, ICR (D&N)           &         f=6-52mm F1.6 ~ 360 Varifocal, ICR (D&N)           &         f=6-50mm F1.6 ~ 360 Varifocal, ICR (D&N)           f=6.0mm F1.6 ~ 360 Varifocal, ICR (D&N)         f=6-50mm F1.6 ~ 360 Varifocal, ICR (D&N)           f=0         Operating Temp.         Normal           Upperating fumidity         0 ~ 96% (non-condensing)         0 ~ 96% (non-condensing)		000	Languago		Japanese / Russian / Portuguese / Simplified Chinese		
Power input         2-Pin wire / Terminal Block / DC Jack           Video output         BNC Connector           Day & Night System         True ICR           Lens Mount         Fixed Mount           Connector         Fixed Mount           f=6-22mm         F1.4 ~ 360 Varifocal, ICR (D&N)           etc.         Operating Temp.           Operating Temp.         Normal           Heater         -222 F ~ 122 F (-30 C ~ +50 C)           Operating humidity         0 ~ 96% (non-condensing)							
Video output         BNC Connector           Day & Night System         True ICR           Lens Mount         Fixed Mount           Connector         Fixed Mount           connector         f=2.8-12mm F1.4 ~ 360 Varifocal, ICR (D&N)           f=6-22mm F1.6 ~ 360 Varifocal, ICR (DAN)         f=6-50mm F1.6 ~ 360 Varifocal, ICR (DAN)           etc.         Operating Temp.         Normal           I 4F = 122F (-102 ~ + 56 C)         Heater         -22F ~ 122F (-30 C ~ + 56 C)           Operating humidity         0 ~ 96% (non-condensing)         0			input		2-Pin wire / Terminal Block / DC Jack		
Day & Night System         True ICR           Lens Mount         Fixed Mount           Connector         Lens           &         f=2.8-12mm F1.4 ~ 360 Varifocal, ICR (D&N)           &         f=6-52mm F1.6 ~ 360 Varifocal, ICR (D&N)           &         f=6-50mm F1.6 ~ 360 Varifocal, ICR (D&N)           Operating Temp.         Normal           Operating fumidity         0 ~ 96% (non-condensing)							
Lens Mount         Fixed Mount           Connector         f=2.8-12mm F1.4 ~ 360 Varifocal, ICR (D&N)           &         f=6-22mm F1.6 ~ 360 Varifocal, ICR (D&N)           &         f=6-50mm F1.6 ~ 360 Varifocal, ICR (D&N)           etc.         Operating Temp.           Operating humdity         0 - 96% (non-condensing)	-			1			
Connector & etc.         Lens         f=2.8-12mm F1.4 ~ 360 Varifocal, ICR (D&N) f=6-22mm F1.6 ~ 360 Varifocal, ICR (D&N) f=6-50mm F1.6 ~ 360 Varifocal, ICR (D&N) f=6-50mm F1.6 ~ 360 Varifocal, ICR (D&N)           Operating Temp.         Normal Heater         141 F - 1227 F (-101 C ~ +501 C) -227 F (-301 C ~ +501 C)           Operating humidity         0 ~ 96% (non-condensing)							
Connector & etc.         Lens         f=6-22mm f=6-22mm         F1.6 ~ 360 Varifocal, ICR (D&N) f=6-50mm         F1.6 ~ 360 Varifocal, ICR (D&N)           Operating Temp.         Normal         14' F ~ 122' F (-10' C ~ +50' C)           Operating humidity         0 ~ 96' V(-10') (- +50' C)		LCII3 IV	iount				
&         f=6-50mm         F1.6 ~ 360 Varifocal, ICR (D&N)           etc.         Operating Temp.         Normal         14' F ~ 122' F (-10' C ~ +50' C)           Image: Normal Operating humidity         -22' F ~ 122' F (-30' C ~ + 50' C)         0 ~ 96% (non-condensing)		Lons					
etc. Operating Temp. Normal 14'F - 122'F (-10'C ~ +50'C) Operating humidity 0 - 96% (non-condensing)		LCIIS					
Operating termp.         Heater         -22'F ~ 122'F (-30'C ~ +50'C)           Operating humidity         0 ~ 96% (non-condensing)			N				
Operating humidity 0 ~ 96% (non-condensing)	elc.						
		Heater		neater			
					U ~ 96% (non-condensing) IP 66		
		Ingress Protection			1P 66 300(D) x 98.4(H) mm x 87(W)		
Weight 1kg							

\*Heater Operating Temp. : 59°F(15°C)-ON / 77°F(25°C)-OFF ; tolerance ±5°C

## EXTERNAL DIMENSION

