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save this manual for future use.

- The design and specifications are subject to change without prior notice to improve product's quality.



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEI

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL



The lightning flash with an 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.

FCC WARING - This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction

manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

REGULATORY INFORMATION: FCC Part 15

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.

- A suitable conduit entries, knock-outs or glands shall be provided in the cable entries of this product in the end use.

 Holes in metal, through which insulated wires pass, shall have smooth well rounded surfaces or shall be provided with brushings.

WARNING - Do not install this equipment in a confined space such as a bookcase or similar unit.

WARNING - Wiring methods shall be in accordance with the National Electric Code, ANSI/NFPA 70.

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

WARNING - To reduce a risk of fire or electric shock, do not expose this product to rain or moisture.

measures.

CAUTION - This installation should be made by a qualified service personrel and should conform to all local codes.

CAUTION - To avoid electrocal shock, do not open the cabinet. Refer servicing to qualified personnel only.

CAUTION - The apparatus should not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, should be placed on the apparatus.



Disposal of your old appliance

- When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC
- All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities
- 3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health
- 4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

To disconnect power from the mains, pull out the main cord plug. When installing the product, ensure that the plug is easily accessible.

IMPORTANT SAFETY INSTRUCTIONS

- **1. Read these instructions -** All these safety and operating instructions should be read before the product is operated.
- 2. Keep these instructions The safety, operating and user instructions should be retained for future reference.
- 3. Heed all warnings All warnings on the product and in the operating instructions should be adhered to.
- **4. Follow all instructions -** All operating and user instructions should be followed.
- **5. Do not use this apparatus near water -** For example : near a bath tub, wash bowl, kitchen sink, laundry tub. in a wet basement, near a swimming pool, etc.
- **6. Clean only with dry cloth -** Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners.

- 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. -Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the product. and to protect it from overheating. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided and the manufacturer's instructions have been adhered to.
- 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

IMPORTANT SAFETY INSTRUCTIONS

- 9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 10. Only use attachments/accessories specified by the manufacturer.



11. Unplug this apparatus during lightning storms or when unused for long periods of time.

12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



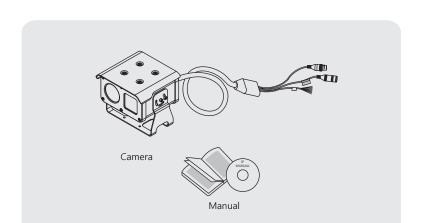
Features

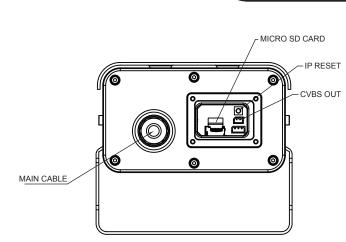
reatures	
x12 Camera	x20, x30 Camera
• 1/2" Sony CMOS sensor	• 1/3" Panasonic CMOS sensor
x12 Optical Zoom	• x20, x30 Optical Zoom
• Full HD Resolution: 1920x1080p / 30fps(25fps)	• Full HD Resolution : 1920x1080p / 30fps(25fps)
Day & Night(ICR)	Day & Night (ICR)
WDR(Wide Dynamic Range)	WDR (Wide Dynamic Range)
DNR(Digital Noise Reduction, 2D+3D)	DNR (Digital Noise Reduction, 2D+3D)
DIS(Digital Image Stabilization)	DIS (Digital Image Stabilization)
Privacy Mask Function	Privacy Mask Function
On Screen Display	On Screen Display
Intelligent Motion Detection	Intelligent Motion Detection

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PACKAGE COMPONENTS

PART NAMES AND FUNCTIONS





DC JACK 485+: ORG 485-: BRN IP D/OUT B : NETWORK IP D/OUT A: IP D/OUT A: GRY GRY GND: VIO GND: VIO Used to connect the LAN cable.(10/100Mbps supported) IP D/IN: WHT IP D/IN: WHT **POWER**

Used to connect the power.(DC12V/2A, POE: 802.3AT)

DI/DO

Alarm IN: In order to make alarm on the web GUI, short or open between DI and GND port. (Please refer the IP manual for more information)
Alarm OUT: Control the relay On/Off on the web GUI, relay will short or open between DOA and DOB. (Please refer the IP manual for more information)

RS-485 COMMUNICATION

Connect to an external controller of RS-485 format. (Protocol: Pelco-D 2400 supported)

GND : GREEN

F.D : BLUE(IP Initialization)

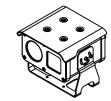
BRACKET INSTALLATION

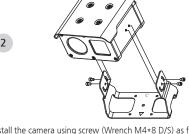
Bottom side installation



3

fix the bracket.





Install the camera using screw (Wrench M4*8 D/S) as figure.

Adjust camera angle and fix the screw.

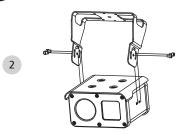
Ceiling installation



Place the "C" mark to the front side and fix the bracket on the ceiling.



Adjust camera angle and fix the screw.



Install the camera using screw (Wrench M4*8 D/S) as figure.

Setting IP address

Using NVTManagement enables to set network settings.

1. Excute NVTManagement.

2. Setting IP address

- Double click NVTManagement.exe Click NVT Scan button to find IP cameras than select the camera.
 - Input IP address, net mask, gateway and name server address than click Apply button.
 - Default IP and Password is ID:root, PW:pass
 - If you have any network information about your network, please ask to your network administrator.

3. Access the camera using web browser.

ID: root

Password: pass





4. Camera setting

4. 1 Go to setting menu as below.



4. 2 Click Video Source.

. 08 . UENI	상태	
- HD 2 2 PR	네트워크 상태	
Camera Setup	MAC DISSID	
. 84008	P 0 드레스	- 1
· 080	사람의 마스크	2
· BUN TRIBE	2015(0)	- 1
- 202 三世音響	2 M DNS	1
. ARZIS 433	IPv4 Link Local IP Address	1
· UHCIS MS	Received Data	3
· 대변도 설정	Transmitted Data	2
- 네트워크 서비스 스타시 자동 +	급속속도/영방한 모드	0

4. 3 Go to Camera Control section.



Click Enter button to call OSD menu.

Adjust camera setting using OSD menu.

For more information, please refer the following OSD setting manual.

Camera menu is subject to change without prior notice to upgrade and quality increase and we may use slip sheet for the change.

Please check the camera version and the slip sheet if the camera menu and this manual menu is not matched.

MAIN MENU



Functions can be setup using "Menu Key Command" of Visca protocol. The menu consists of the "Main Menu" and "Sub Menu".

The main menu is displayed where 7 camera functions can be selected. To the push of each main menu selection, the sub-menu is displayed

If you want save the menu, select [SAVE]. If you want not save the menu, select [EXIT] (After select , Power off -> on) If you want default the menu, select [DFLT]

FOCUS



- ♠ MODE : Select auto focus mode
- ► AUTO, ONE PUSH, MANUAL
- DISTANCE : Select minimum distance in focus between camera and object.
- ►x12 Camera: 0.1 / 1.0 / 3.0 / 5.0 / 10.0 m ►x20, x30 Camera: 0.1 / 1.0 / 3.0 / 6.0 / 10.0 m

- ◆ LENS REFRESH: Lens origin calibrated automatically. ► ONE PUSH... / ON (1 day ~ 10 days)
- ◆ E.ZOOM : Select maximum digital zoom magnification.
- ► OFF / ON (max x2 ~ x19, x21, x23, x25, x28, x32) ◆ ZOOM PRESET : Select zoom preset
- ▶ PRESET # : Select Zoom preset number (1 ~ 5)

- DWELL TIME(3sec~60sec. Default 5sec)

- ► MODE : OFF / ON

 - ▷ ON— : Adjust the Zoom Position
- ♦ HOME POSITION : Select home position(OFF/ON) If the home position is ON, zoom preset will be executed after the time that set in the dwell time menu.

EXPOSURE



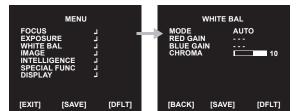
- ♠ MODE : Select Exposure Mode
- ►AUTO / IRIS.P / SHUT.P / MANUAL
- AGC : Select Auto Gain Control
- ► OFF / ON (AUTO, SHUT.P or IRIS.P Mode)
- ► 0 ~ 10 (MANUAL Mode)
- ◆ SHUT SPEED: Can be set in SHUT.P or MANUAL mode * 30 / 25 fps mode ► x4, x2, 1/30(25), 1/60(50), 1/120(100), 1/250, 1/700, 1/1000,
- 1/1600, 1/2500, 1/5000, 1/7000, 1/10000, 1/30000 sec
- ◆ IRIS : Iris level can be set in IRIS.P or MANUAL mode
 - \triangleright 0 ~ 20

- DSS: Select maximum DSS (Digital Slow Shutter)
- * 30 / 25 fps mode
- ► OFF / x2, x4
- ◆ FLICKERLESS : Select Flickerless mode
- ► OFF / ON (remove screen flicker)
- ◆ BRIGHTNESS : Adjust brightness level
- ► 0(dark) ~ 20(bright) steps
- WDR/BLC : Select WDR(Wide Dynamic Range) or BLC(Back Light compensation)
- ▶ WDR
 - ► LOW, MID-LOW, MIDDLE, MID-HIGH, HIGH
- * WDR doesn't work in Manual Exposure Mode and Shutter Priority Mode.
- * When WDR on, CVBS output is disabled.
- ▶ BLC.
- POSITION : Adjust the window position
- SIZE : Adjust the window size
- Can't use WDR and BLC at the same time.
- (When WDR On, BLC is Off. And when BLC is On, WDR is Off)
- * BLC doesn't work in Manual Exposure Mode.

- ◆ DAY&NIGHT : Select Day&Night
- ► MODE: AUTO / EXT-IN / DAY / NIGHT
- AUTO
 - ► DELAY: 0 ~ 255 sec
 - ► THRS: 0 ~ 28
 - Day↔Night switching level in Auto Mode.
 - Switching in lower lux with lower threshold level.
 - ► GAP : LOW, MID-LOW, MIDDLE, MID-HIGH, HIGH
- Margin between Day→Night switching level and Night→Day switching level.
- ► IR DETECTION : Setting IR Detection mode. (ON / OFF)
- ▶ IR DET LEVEL: Setting IR Detection level. (LOW, MID-LOW, MIDDLE, MID-HIGH, HIGH)
- ► BURST: OFF / ON
- EXT-IN ► DELAY: 0 ~ 255 sec
- ► BURST: OFF / ON
- ► POLARITY: External Input polarity (ACTIVE LOW / ACTIVE HIGH)
- ▶ NIGHT
 - ▶ BURST : OFF / ON

WHITE BALANCE

WHITE BALANCE



- ◆ AWB : Select WHITE BALANCE mode
- ► AUTO / ONE PUSH / MANUAL / INDOOR / OUTDOOR
- ▷ AUTO : Automatically adjusts color according to the available lighting.
- ONE PUSH: It is a fixed white balance mode that may be automatically readjusted only by pressing ONE PUSH
- MANUAL→: Color can be corrected when the user increases or decreases "RED GAIN" or "BLUE GAIN".
- ▷ INDOOR : Set color temperature to be Indoor light (3700°K)
- DUTDOOR: Set color temperature to be Outdoor light (5100°K)
- ◆ BLUE GAIN : Adjust B gain value ► 0 ~ 20 steps
- ◆ CHROMA : Adjust CHROMA gain value ► 0 ~ 20 steps

IMAGE



♦ HLC : Select High Light Compensation.

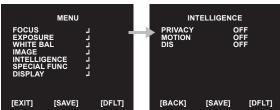
When extremely bright light is projected to the camera masking is used on the portion to prevent partial saturation on the monitor.

- COLOR : 0 ~ 13 steps
- ◆ DNR : Select Digital Noise Reduction
- ► OFF / LOW / MIDDLE / HIGH / AUTO
- ♠ MIRROR : Select a flip mode
- ► OFF / H / V / H&V
- ∨ You can flip the picture vertically on the screen

SHARPNESS : Adjust sharpness level

- ▶ 0 ~ 10 steps
- ♠ ACE : Select Digital WDR (Wide Dynamic Range)
- ► OFF / LOW / MIDDLE / HIGH
- ◆ DEFOG : Carry out defog function
- ► OFF / ON
- ▷ MODE : AUTO / MANUAL
- ▷ LEVEL : LOW / MIDDLE / HIGH
- * Can't use DEFOG and ACE at the same time (when DEFOG is On, ACE is Off)
- ◆ FREEZE : Select real or still mode
 - ► OFF / ON
- **▶** 0.45 / 0.55 / 0.65 / 0.75

INTELLIGENCE



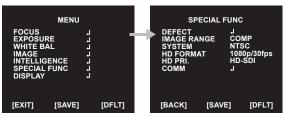
- ◆ PRIVACY : Hide an area you want to hide on the screen
 - ► OFF / ON

 - MODE : Mask enable or disable (OFF / ON)
 - POSITION : Adjust the mask position
 - SIZE : Adjust the mask size
 - COLOR : Select mask color (0 ~ 13)

♦ MOTION : When there is movement of the subject in the screen, there will be an motion detection

- ► OFF / ON
- ▷ AREA# : Setting 3 areas(1~3) of motion detection
- ▷ SENSITIVITY : Adjust sensitivity of MD (0 ~ 20 steps) More sensitive to setting to low step with sensitivity
- POSITION : Adjust the Area position
- ▷ SIZE : Adjust the Area size
- ▷ INTERVAL :Select the alarm interval time (0 ~ 255sec)
- DWELL TIME: Select the duration time about changing MD mode (0 ~ 255sec)
- ▷ ZOOM PRESET : Select Motion Zoom Preset Mode and Position (OFF / ON L)
- ◆ DIS : Select Digital Image Stabilizer mode
 - ▶ OFF / ON⊷
 - ▶ RANGE : Setting the image compensation range. (10%, 20%, 30%)
 - ▷ FILTER: Setting the sensitivity to hold DIS function in worst case. (LOW, MIDDLE, HIGH)

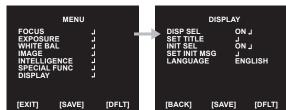
SPECIAL FUNC



- DEFECT: Compensates for bad pixels that may occur. Occurs when the whole screen is in full black or if there is bad pixelation and it changes the THRS values until the screen is fixed.
- * When you use this function, you have to block the lens for blocking lights into the lens.
- ♦ IMAGE RANGE : Select image bit range. (Full : 100%, Compressed : 75%)
 - ► FULL. COMP. USER
- SYSTEM : Select NTSC or PAL

- ◆ COMM : Set up the camera ID, baud rate, protocol
- ▷ ID : Select the camera ID
 - **▶** 1 ~ 255
- ▶ BAUD RATE : Select serial communication speed
 - ► 2400 / 4800 / 9600 / 19200 / 38400 / 57600 / 115200bps
- ▶ PROTOCOL : Select operating protocol
 - ► VISCA / PELCO-D / PELCO-P / UPDATE
- * Do not change protocol setting. Protocol must be Pelco-D. Otherwise, IP camera will not be coltrolled.

DISPLAY



- DISP SEL : Select display item.
 - ► OFF / ON
 - ▷ ID : OFF / ON
 - □ TITLE : OFF / ON
- SYSTEM MSG : OFF / ON (MD Alarm)
- ◆ SET TITLE : Select camera title menu (Text edit– max 40 characters) ◆ INIT SEL : Select display initial message.
- ► OFF / ON
- D ID: OFF / ON ▶ BAUDRATE : OFF / ON
- ▶ PROTOCOL : OFF / ON
- ▷ INIT MSG : OFF / ON

DISPLAY

- ◆ SET INIT MSG: modify initial message. (Text edit max 40 characters)
- ◆ LANGUAGE : Select language.
- ► English / Simplified Chinese / Traditional Chinese / Japanese
- Character Table of Text edit Mode

```
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n o p q r s t u v w x y z , . () { } [] 0 1 2 3 4 5 6 7 8 9 * + - / = ~!?" '
```

SPECIFICATION

Model		x12				x20			x30	
Image Sensor	1/2'	1/2" Sony CMOS Sensor				1/3" Panasonic CMOS Sensor				
Total Pixels	195	52(H) x	1241(V) = 2.	42M Pixels		1956	6(H) x 1266(V) = 2.48M	Pixels	
Active pixels	193	37(H) x	1097(V) = 2.	12M Pixels		1944	(H) x 1092(V) = 2.12M	Pixels	
Scanning system	Pro	gressive	e Scan							
Sync. System	Inte	emal								
Resolution	Digi	ital : 108	30p/30(25)fps	3						
	Ana	alog : 70	0TVL							
Min. illumination	Colo	Color : 0.15 lux , BW : 0.01lux				C	Color: 0.5 lux, BW: 0.1lux			
	Colo	Color DSS : 0.0375 lux, BW DSS : 0.002 lux								
Video Output	CVE	BS								
S/N Ratio	mor	more than 50dB (AGC off)								
Lens type	x12	x12 Day & Night Zoom Lens x20 Day & Night Zoom Lens x30 Day & Night Zoom				m Lens				
Zoom Ratio	Opt	Optical x12, Digital x32 Zoom Optical x20, Digital x32 Zoom Optical x30, Digital				30, Digital x3	2 Zoom			
Focal Length	f = 7	f = 7.0 mm ~ 84.0 mm			f = 4.7 mm ~ 94.0 mm			f = 4.3 mm ~ 129.0 mm		
Aperture Ratio	F1.5	F1.5 (wide) ~ F1.9 (tele)			F1.6 (wide) ~ F3.5 (tele)			F1.6 (wide) ~ F4.7 (tele)		
Angle of View Wi	de 5	58.3°	51.1°	30.0°	62.7°	55.4°	32.6°	71.3°	58.9°	45.3°
(D, H, V)	е	6.5° 5.0° 3.2° 3.3° 2.9° 1.6° 2.5					2.58°	2.11°	1.61°	
Focus	Mod	Mode / Distance / Zoom Speed / Lens Refresh / E.Zoom / Zoom Preset								
Mode	Aut	Auto / One Push / Manual								

SPECIFICATION

Model	x12	x20	x30		
Distance	0.1 / 1.0 / 3.0 / 5.0 / 10.0 m	0.1 / 1.0 / 3.0 / 6.0 / 10.0 m			
Zoom Speed	0(Slow) ~ 7(Fast)				
Lens Refresh	One Push / 1 ~ 10Day				
E.Zoom	Off / MAX x2 ~ x32				
Zoom Preset	5 Preset				
Exposure	Mode / AGC / Shut Speed / Iris	/ DSS / Flickerless / Brightness / Wi	DR/BLC / D&N		
Mode	Auto / Iris. Priority / Shut. Priority / Manual				
Gain Control (AGC)	Off / On				
Shutter Speed	1/30(25) ~ 1/30,000 sec				
Iris	0~20				
Digital Slow Shutter (DSS)	Off / x2 / x4 (/ x8 : 60 or 50 fps mode only)				
Flickerless	Off / On				
Brightness	0 ~ 20 steps				
WDR/BLC	OFF / WDR / BLC				
Day&Night	Auto / Day / Night / Ext-in				
White Balance	Auto / One Push / Manual / Indoor / Outdoor				
Image	HLC / DNR / Mirror / Sharpness / ACE / Defog / Freeze / Gamma				
HLC	Off / On / Night Only	f / On / Night Only			
DNR	Auto / Off / Low / Middle / High	ligh			

SPECIFICATION

Model	x12	x20	x30	
Mirror	Off / H / V / H&V			
Sharpness	0 ~ 10 steps			
ACE	Off / Low / Middle / High			
Defog	Off / On(Auto / Manual)			
Freeze	Off / On			
Gamma	0.45 / 0.55 / 0.65 / 0.75			
Intelligence	Privacy / Motion / DIS			
Privacy Mask	Off / On (24 positions)	Off / On (24 positions)		
Motion Detection	Off / On (3 positions)	Off / On (3 positions)		
Digital Image Stabilizer	Off / On			
Special Func	Defect / Image Range / System / HD Format / HD-Pri / COMM			
Defect DET	One push			
Image Range	Full / Comp. / User			
System	NTSC / PAL			
Comm	ID : 1 ~ 255			
	Baud Rate : 2400 / 4800 / 96	600 / 19200 / 38400 / 57600 / 11	5200	
	Protocol : VISCA / Pelco-D /	Pelco- P / Update		
Display	Disp Sel / Set Title / Init Sel / Set Init Msg / Language			

SPECIFICATION

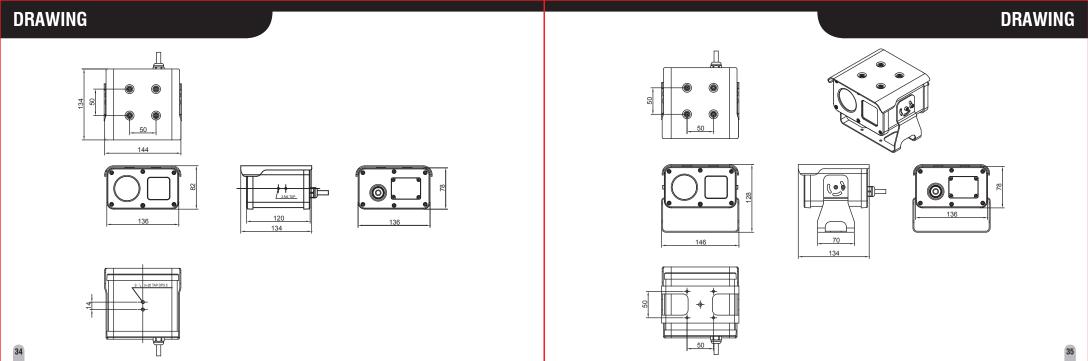
Model	x12	x20	x30		
Disp Sel (Off / On)	ID / Title / Zoom Ratio / Syst	ID / Title / Zoom Ratio / System Message			
Set Title	Text Edit				
Init Sel (Off / On)	ID / Baud Rate / Protocol / V	ersion / Init. Message			
Set Init Msg	Text Edit				
Language	English / Simplified Chinese	English / Simplified Chinese / Traditional Chinese / Japanese			
OSD Text	0 ~ 9 , A ~ Z , a ~ z				
Power Source	DC12V, POE: 802.3AT				
Power Consumption	2A(DC 12V)				
Power Input	Connector				
Video Output	Connector				
Storage Temperature	-20℃ ~ +60℃ ((Humidity : 0%RH ~ 90%RH)				
Operating Temperature	-10 °C ~ +50 °C ((Humidity : 0%RH ~ 90%RH)				

^{*} Design and specifications are subject to change without notice.

SPECIFICATION

NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.265, H.264, MPEG-4, MJPEG
Resolution	1080p, 720p, 1024x576, 640x360, D1, 4CIF, VGA
Streaming Capability	Triple streaming
Alarm	In 1ch / Out 1ch
IP	IPv4, IPv6
Protocol	TCP, IP, HTTP, DHCP, FTP, DNS, DDNS, NTP, ICMP, SNMP, SMTPE, UPnP,
	RTP, RTSP, ONVIF
Storage	Micro SD
ONVIF	Support
Webpage Language	Korean, English

^{*} Design and specifications are subject to change without notice.



TROUBLESHOOTING

If there are problems in operation, please refer to the items below.

If the problem persists, please contact the agent you purchased this product from.

Trouble shooting

- Nothing appears on the screen.
- -Please check the power connection.
- -Please check the video signal line connection.
- The video image is not clear.
- -Please clean the lens with a clean cloth or brush. -Please adjust that the screen is not exposed directly to a bright light.
- -Please move the camera if necessary.
- The screen is dark.
- -Please adjust the contrast feature of the monitor.
- -If you have an intermediate device, set the 75 Ω /Hi-Z properly, and check the terminals. -Please adjust the brightness level.
- The MOTION DETECTION function is not working
- -Please check if "MOTION DETECTION" mode is turned on.
- -Please check if the MD Sensitivity is too high.
- -Please check the setting of the MD AREA
- The WDR function is not working
- -Please check if the WDR Level is too low.
- -Please check if the AE Mode is set to MANUAL. The WDR doesn't work in MANUAL,
- Shutter priority Exposure mode.
- · Colors are not guite right.
- -Please check if the camera is facing directly into sunlight or fluorescent light.
- The Day&Night function doesn't work.
- Please check if the AGC of EXPOSURE menu is set to OFF.
- The Auto Day&Night doesn't work in AGC OFF status.

