

Specification

Model	MTX780HQ
Pick up Element	SONY EXview HAD CCD II with SONY Effio-E DSP
Effective Picture Elements (H×V)	NTSC:1020(H)×508(V) PAL:1020(H)×596(V)
Horizontal Resolution	700 TV Line
Minimum Illumination	0.001 Lux
S/N Ratio	52dB
Scanning System	2:1 interface
Synchronous System	Internal, Negative sync.
Auto Electronic Shutter	NTSC: 1/60s~1/100,000s, PAL: 1/50s~1/100,000s
Gama Characteristic	0.45
Video Output	1Vpp, 75Ω
Auto Gain Control	Auto
Power/Current	DC12V/450mA
Lens	4-9mm Manual Zoom Lens
Dimension (mm)	200(W)x171(H)x83(D)mm
Weight (g)	1300
Storage Temperature	-30~ +60℃ RH95% Max
Operating Temperature	-20~ +50℃ RH95% Max

Packing List

No	Name	Model	Number
1.	Vandalproof Color Camera	MTX780HQ	1
2.	User Guide	MTX780HQ	1

MTX780HQ Color Camera

Weatherproof Day/Night IR Color Camera



Notes : Before providing power for the camera, please read this User Guide in detail!

Do not attempt to disassemble the camera. If the camera can not work, please contact local franchiser or our company.



www.generalsecurity.ro

BRIEF OF PRODUCT

* **Sensor (CCD)** Adopt SONY 1/3" CCD Sensor.

* **Auto Gain Control (AGC)**

Built-in auto gain control (AGC) circuit. The color camera can get high definition picture in low Lux condition.

* **Scanning Mode** NTSC or PAL mode.

* **Back Light Compensation(BLC)**

Automatically bring more details to darker areas of an image when bright light shining from behind obscures it.

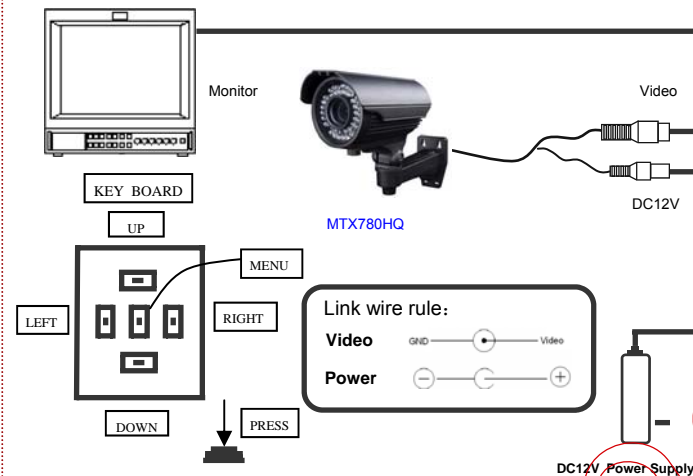
* **On Screen Display(OSD)**

Gives you an overview of the selection of controls available for easy setting

* **OSD SETTING**

		MANUAL	
LENS	AUTO	TYPE:DC/VIDEO	
		MODE:CLOSE/AUTO/OPEN SPEED:0-255	
SHUTTER/AGC	AUTO	HIGH LUMINANCE MODE:SHUT+AUTO IRIS/AUTO IRIS	
		BRIGHTNESS:0-255	
		LOW LUMINANCE MODE:OFF/AGC	
	MANUAL	BRIGHTNESS: ×0.25, ×0.5, ×0.75, ×1	
		MODE:SHUT+AGC	
		SHUTTER:1/50,1/120,1/250,1/500,1/1000,1/2000,1/4000,1/10000	
		AGC:6,12,18,24,30,36,42,44,8	
WHITE BAL	ATW	SPEED/DELAY CNT/ATW FRAME/ENVIRONMENT	
BACK LIGHT		PUSH/ANTI CR/PUSH LOCK/USER1/USER2/MANUL	
PICT ADJUST		MORROR/BRIGHTNESS/CONTRAST/SHARPNESS/HUE/GAIN	
ATR	OFF		
	ON	LUMINANCE/CONTRAST	
MOTION DET	OFF		
	ON	DETECT SENCE/BLOCK DISP/MONITOR AREA/ AREA SEL/TOP/BOTTOM/LEFT/RIGHT	
PRIVACY	OFF		
	ON	AREA SEL/TOP/BOTTOM/LEFT/RIGHT/ COLOR/TRANSP/MOSAIC	
DAY/NIGHT	COLOR		
	B/W	BURST:OFF/ON	
	AUTO	BURST:OFF/ON	
NR	NR	DELAY CNT/DAY-NIGHT/NIGHT-DAY	
CAMERA ID	OFF/ON	MODE:Y/C,OFF,Y,C	
SYNC	INT		
LANGUAGE		ENGLISH/CHINESS/JAPANESS/ESPAÑOL/PORTUGUES/ PYCCKNN/FRANCAIS/DEUISCH	
CAMERA RESET/BACK/EXIT/SAVE ALL			

CONNECTING



TROUBLE AND SOLUTION

1. No Picture after providing power

- May be the power supply voltage abnormality, please check the power supply voltage and pole whether exactitude.
- Please check all the connecting cable and monitors whether be connected correctly or not.

2. The picture level direction have flowing interference ripples

- May be caused by the power supply AC ripples, it need filter the wave of the power supply.
- Check the monitor and peripheral equipments used.

3. The picture background color changes continuously

- The fluorescent lamp's electromagnetic field cause color roll. This is proper phenomenon of the cameras.
- Reduce the fluorescent lamp numbers or increase the distance between the camera and the fluorescent lamps can improve it.
- Use power supply external sync. camera can solve it.

4. The picture smear too mass

- The power supply's voltage unstable.
- Connecting cables not connect correctly or have high impedance.



Notes:

- The power supply must through safe attestation. Its output voltage, current, voltage polarity and operating temperature must match the camera's requirement.
- When using the camera in the thunderbolt condition, please note to mount Anti-thunder device or put off the power supply plug and cable.
- In order to capture high quality pictures, the power supply's cable and video output cable should not be too long.

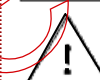
INTRODUCTION

Congratulations on your purchase of this product. This User Guide suits **MTX780HQ** product. We adopt the latest SONY technical of sensor and driver. The most attractive characteristics are small and easy hidden, suits the elevator and corridor. In addition, it owns the characters of high definition and stability, strong anti-jamming, rich and real color. Fixing and using this model are convenient too. It is very good for you to apply to your CCTV system.

Please read this instruction manual carefully to ensure proper use of the product.



To prevent fire or shock hazarded. Do not expose the unit to rain or moisture.



The symbol is intended to alert the user to the presence of important operating and maintenance (servicing) Instructions in the literature accompanying the appliance.



The symbol 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.

!	CAUTION: RISK OF ELECTRIC. DO NOT OPEN	!
SHOCK		
CAUTION: TO REDUCE THE RISK OF ELECTRIC		
DO NOT REMOVE COVER OR BACK NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING		

CAUTION: TO PREVENT ELECTRIC SHOCKS AND RISK OF FIRE HAZARDS, DO NOT USE OTHER THAN SPECIFIED POWER SOURCE.		
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Note:

- Please note the camera's operating temperature and its using environment requirement. Avoid using the camera at too high or too low temperatures. The operating temperature is -20~+50°C. (Recommendatory operating temperature is -15~+50°C.)
- Never make the camera face the sun or bright object. Otherwise, it will damage the CCD.
- Do not mount the camera near by the radiator or heater.