

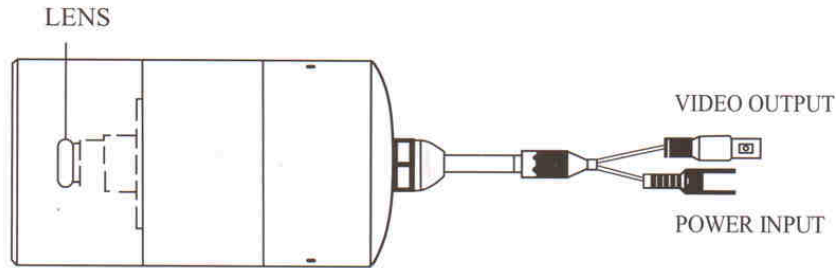
# INSTALLATION & OPERATION INSTRUCTION

Please review this instruction carefully before use.

## General:

- Power supply should be compatible with which shows on the camera body.
- Electronic shutter can be used in applications with a wide spectrum of lighting.
- Special waterproof design.
- Built in Infrared Lamps. can shoot pictures clearly at night.
- Angle of view is based on different lens(Standard: 6mm lens)

## INSTALLATION:



1. Installed camera to bracket by screw.
2. Installed bracket to wall or any place by screw.
3. Connect camera according to the drawing above to monitor and power equipment.

Specification	B/W IR Waterproof Camera		Color IR Waterproof Camera			
	1/3" SONY B/W SUPERHAD CCD	1/3" SONY B/W SUPERHAD CCD	1/4" SHARP COLORCCD	1/3" SHARP COLORCCD	1/4" SONY COLOR SUPER HAD CCD	1/3" SONY COLOR SUPER HAD CCD
Effective Pixels	CCIR:500(H) × 482(V)	CCIR:752(H) × 582(V)	PAL:512(H) × 582(V)	PAL:512(H) × 582(V)	PAL:510(H) × 582(V)	PAL:500(H) × 582(V)
	EIA:510(H) × 480(V)	EIA:768(H) × 494(V)	NTSC:512(H) × 492(V)	NTSC:512(H) × 492(V)	NTSC:510(H) × 492(V)	NTSC:510(H) × 492(V)
Signal System	CCIR/EIA		PAL/NTSC			
Sync System	Internal Synchronization					
Horizontal Reselution	420 TV Line	600 TV Line	420 TV Line	420 TV Line	420 TV Line	420 TV Line
Usable Illumination	0 Lux(When Infrared Lamps Turn On)					
S / N Ratio	More than 48dB					
Gamma Characteristic	0.45					
Electronic Shutter	Auto, CCIR: 1/50~1/100,000(sec)		Auto, PAL: 1/50~1/100,000(sec)			
	EIA:1/60~1/100,000(sec)		NTSC:1/60~1/100,000(sec)			
Video Output	1.0 V p-p 750 Ω , BNC					
Power Supply	DC:12V,800mA;			AC:90~230V, 50/60Hz		
Pewer Consumption	120mA(When the infrared Lamps turn on maximum eletricity is less than 500mA)					
Built - in Lens	3.6mm,6mm,8mm,12mm,16mm,25mm selectable					
Housing Material	Aluminum Alloy					
Infrared Wavelength	850mm					
Infrared lamps Irradiation distance	(1). 24 pcs IR LEDs: 25 meters; (3). 12pcs Custom - Made IR LEDs: 50 meters;			(2). 12 pcs IR LEDs: 15 meters; (4). 52 pcs IR LEDs: 50 meters;		
Operating Teroperatnre	-10 °C~+50 °C					