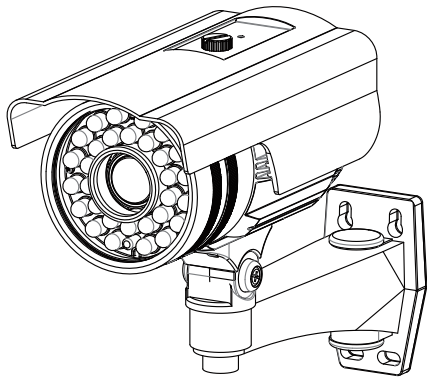


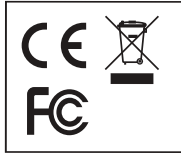


Outdoor IR Bullet Camera Instruction Manual



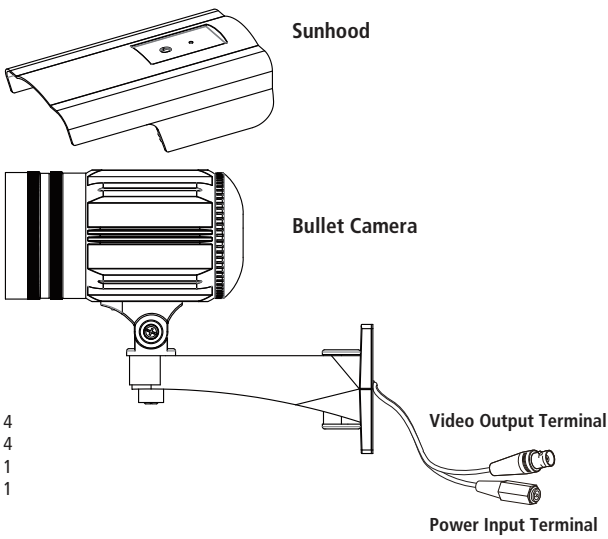
Emissions: - CE:
- EN55022
- EN55011
- FCC:
- 47 CFR Part 15 Subpart B
- ANSI C63.4
- ICES-003

Immunity: - CE:
- EN55024
- EN50130-4



V531-BK002-201
Ver.05/2016

Parts and Descriptions



Accessories

Knurling Knob X 4
Screws X 4
Wall Plugs X 1
Template X 1

Specifications

General Specifications		
TV System	NTSC	PAL
Image Sensor	Sony 1/3" Super HAD-II Wide Dynamic	
Effective Picture	976(H) x 494(V)	976(H) x 582(V)
Scanning Frequency	60Hz	50Hz
Resolution	700 TVL	
Minimum Illumination	Day Mode 0.3Lux(F1.2,50IRE, AGC ON,IR Off), Night Mode 0 Lux (IR ON)	
S/N Ratio	50dB (100 IRE, F1.2)	
Video Output	Composite (75 Ω BNC unbalanced connector)	
2nd Video Output	Yes (supports installation check)	
Power Source	12 VDC ±10% / 24 VAC ±20%	
Power Consumption	Normal:2.2W, IR On: 7W(Max)	
Operating Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
Dimensions	Φ 84.5mm x 186.6mm (L) (camera unit + sunhood)	

Functional Specifications		
Sense Up	ON / OFF	
Shutter Speed	AES	NTSC: 1/60 ~ 1/100000 PAL: 1/50 ~ 1/100000
	MES	1/50 (1/60), 1/120 (1/100), 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10K
Wide Dynamic Range (WDR)	OFF/ATR-EX/WDR	
High-Light Compensation (HLC)	ON/OFF	
Backlight Compensation (BLC)	Full Range	
AGC Gain Control	44.8 dB	
Day/Night	TDN (AUTO, COLOR, NIGHT)	
White Balance Control	ATW / Manual / Push / Push Lock / USER1,2	
Auto White Balance Range	Indoor: 1800K~10500K Outdoor: 6500K~10500K	
Mirror	OFF/N-FLIP/H-FLIP/HV-FLIP	
Defog	ON/OFF	
Sync System	INT /LL	
Motion Detection	4 Areas	
Privacy Zone	Up to 15 Masks	
Digital Noise Reduction	3D DNR	
Digital Zoom	255X Max	
DIS	ON/OFF	
IR Optimizer	ON/OFF	
IR LED Count	30PCS	
IR Illumination Wavelength	850 nm	
IR Illumination Range	50 m	

Lens Specifications

Lens Specifications			
Focal Length		2.8 ~ 10 mm	9 ~ 22 mm
F-No.		F1.2	F1.4
Iris Range		F1.2 ~ F360C	F1.4 ~ F360C
Minimum Object Distance		0.15 m	1 m
Field of View	Diagonal	125.0° ~ 36.0°	41.9° ~ 16.3°
	Horizontal	94.6° ~ 28.8°	32.1° ~ 13.1°
	Vertical	68.4° ~ 21.6°	23.3° ~ 9.8°

Connection and Adjustment

Precautions

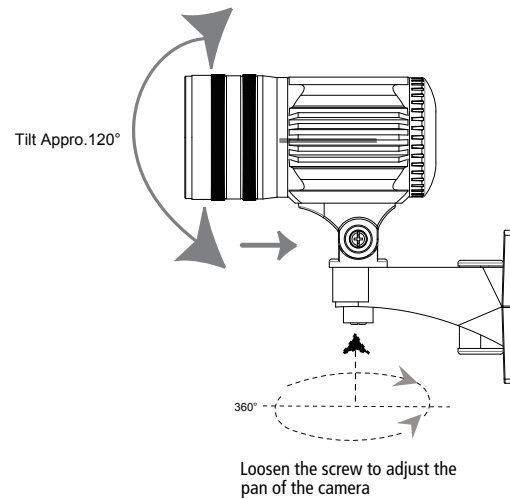
This product must be installed and maintained in accordance with good installation practices by qualified personnel only.

To prevent damage to your camera or injury to yourself or to others, read and comply with the safety precautions as follows:

- Never attempt to disassemble or modify the camera. Any modification could lead to damages that are not covered by the guarantee.
- Do not expose or operate the camera in wet areas. Moisture may damage the camera and also increase the danger of electrical shock.
- Make sure the power source is switched off and disconnected before installation. Refer servicing to qualified personnel only.
- Do not attempt to aim the camera at the sun or other extremely bright objects. This may cause damage to the CCD and the void of warranty.
- To prevent fire or electrical shock, use only regulated power supply and the wiring should be used for the appropriate input terminal.
- Do not touch the lens or the CCD by hands while installing or adjusting the camera. This may cause damage to the camera.

Camera Installation

- Screws can be loosened and the desired position can be adjusted. Loosen and tighten the screws by using a torx driver.



- To remove/install the sunhood, please follow the direction indicated below.

