



## Technical Specification

### Camera

Image Sensor	1/2.7 inch CMOS
Effective Pixels	3840 (H)×2160 (V), 4K
Electronic Shutter Speed	PAL: 1/3s–1/100000s NTSC: 1/4s–1/100000s
Minimum Illumination	0.03Lux/F1.7, 30IRE, 0Lux IR on
IR Distance	Distance up to 60m (196.85ft)
IR On/Off Control	Auto;manual
IR LED Number	2
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°

### Lens

Lens Type	Motorized vari-focal				
Mount Type	φ14				
Focal Length	2.7mm–13.5mm				
Max. Aperture	F1.7				
Angle of View	Horizontal: 105°–33° Vertical: 56°–18° Diagonal: 126°–38°				
Iris Type	Fixed iris				
Auto Focus	Yes				
Close Focus Distance	0.8m (2.62ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	Wide-angle	90m (295ft)	36m (118ft)	18m (59ft)	9m (30ft)
	Telephoto	264m (866ft)	264m (866ft)	53m (174ft)	26m (85ft)

### Video

Video Frame Rate	CVI: 4K@15fps; 5M@20fps; 4M@25fps/30fps CVBS: PAL/NTSC AHD: 4K@15fps; 5M@20fps; 4M@25fps/30fps TVI: 4K@15fps; 5M@20fps; 4M@25fps/30fps
Resolution	4K (3840×2160); 5M (2592×1944); 4M (2560×1440); 960H (960×576/960×480)
Day/Night	Auto switch by ICR
BLC	BLC/HLC/WDR
WDR	120dB/WDR
White Balance	Auto; manual
Gain Control	Auto; manual
Noise Reduction	2D&3D NR
Smart IR	Yes
Electronic Defog	Yes
Digital Zoom	4X
Mirror	Off/On
Privacy Masking	Off/On (8 area, rectangle)

## Certifications

Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)
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## Port

Audio Port	One channel built-in mic (-A)
Video Port	Video output choices of CVI/TVI/AHD/CVBS by one BNC port

## Power

Power Supply	12V ±30% DC
Power Consumption	Max 7.8W (12V DC, IR on)

## Environment

Operating Temperature	-30°C to +60°C (-22°F to 140°F);<95% (non-condensation)
Storage Temperature	-30°C to +60°C (-22°F to 140°F);<95% (non-condensation)
Protection Grade	IP67

## Structure

Casing	Metal throughout the whole casing
Dimensions	Φ122.0mm×104.8mm (Φ4.80"×4.13")
Net Weight	0.58kg (1.28lb)
Gross Weight	0.73kg (1.616lb)

## Dimensions (mm/inch)

