



HD Guardian 4K Camera CHDT8IR28



- Max 15 fps@4K
- Smart IR illumination
- 30 m illumination distance
- Built-in MIC
- 2.8mm fixed lens
- CVI/CVBS/AHD/TVI switchable
- IP67, 12VDC



Category	Specification
Camera	
Image Sensor	8MP CMOS
Max. Resolution	3840 (H) × 2160 (V)
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25s - 1/1000000s NTSC: 1/30s - 1/1000000s
Min. Illumination	0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>65 db
Illumination Distance	30 m (98.43 ft)
Illumination Control	Auto/Manual
Illuminator Number	1 (IR light)
Angle Adjustment	Pan: 0°-360° Tilt: 0°-78° Rotation: 0°-360°
Lens	
Lens Type	Fixed-focal
Lens Mount	M12
Focal Length	2.8 mm
Max. Aperture	F2.0
Field of View	2.8 mm: H: 106°; V: 56°; D: 125°
Iris Control	Fixed
Close Focus Distance	2.8mm: 1.3m (4.27ft)
DORI Distance	
- 2.8 mm	Detect: 88.0 m (288.71ft); Observe: 35.2 m (115.49ft); Recognize: 17.6 m (57.74ft); Identify: 8.8 m (28.87 ft)

Video	
Video Frame Rate	CVI: PAL: 4K@15 fps; 1080p@25 fps; NTSC: 4K @15 fps;1080p@30 fps AHD: PAL: 4K@15 fps; NTSC: 4K@15 fps TVI: PAL: 4K@15 fps; NTSC: 4K@15 fps CVBS: PAL: 960H; NTSC: 960H
Resolution	4K (3840 x 2160); 5M (2880 x 1620); 4M (2560 x 1440); 1080p (1920 x 1080); 960H (960 x 576/960 x 480)
Day/Night	Auto(ICR)/Color/B/W
BLC	BLC; HLC; WDR; HLC-Pro
WDR	120 db
White Balance	Auto; Area white balance
Gain Control	Auto/Manual
Noise Reduction	3D NR
Smart Illumination	Smart IR
Mirror	Yes
Privacy Masking	Off/On (8 areas, rectangle)
Certification	
Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035 FCC: 47 CFR FCC Part 15, Subpart B UL: UL62368-1 + CAN/CSA C22.2 No. 62368-1-14
Port	
Video Output	CVI/TVI/AHD/CVBS by one BNC port
Power	
Power Supply	12 VDC \pm 30%
Power Consumption	Max 4.7 W (12 VDC, IR on)

Environment	
Operating Temperature	-40°C to +60°C (-40°F to +140°F)
Operating Humidity	<95% (RH), non-condensing
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Storage Humidity	<95% (RH), non-condensing
Protection	IP67
Structure	
Casing Material	Metal
Product Dimensions	Φ94.0 mm × 85.7 mm (Φ3.70" × 3.37")
Net Weight	0.33 kg (0.73 lb)
Gross Weight	0.47 kg (1.04 lb)
Accessories	
Junction Box	RFB130-E
Wall Mount	RFB204
Junction Box Bracket	RFB345