



HD Guardian 2K Camera CHDT5IR28



- Max 25 fps@5MP
- Smart IR illumination
- 30 m illumination distance
- 2.8mm fixed lens
- Built-in mic
- CVI/CVBS/AHD/TVI switchable
- IP67, 12VDC



Category	Specification
Camera	
Image Sensor	5MP CMOS
Max. Resolution	2880 (H) × 1620 (V)
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25s - 1/100000s NTSC: 1/30s - 1/00000s
S/N Ratio	> 65 dB
Min. Illumination	0.005 Lux/F1.6, 30IRE, 0 Lux IR on
Illumination Distance	30.0 m (98.4 ft)
Illumination Control	Auto; manual
Illuminator Number	1 (IR light)
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°
Lens	
Lens Type	Fixed-focal
Lens Mount	M12
Focal Length	2.8 mm
Max. Aperture	F1.6
Field of View	2.8mm: H: 111°; V: 58°; D: 132°
Iris Control	Fixed
Close Focus Distance	2.8mm: 0.9m (3.0ft)
DORI Distance	
- 2.8 mm	Detect: 63.6 m (208.7ft); Observe: 25.4 m (83.3ft); Recognize: 12.7 m (41.7ft); Identify: 6.4 m (21.0ft)

Video	
Video Frame Rate	CVI: PAL: 5M@25 fps; NTSC: 5M@30 fps AHD: PAL: 5M@25 fps; NTSC: 5M@30 fps TVI: PAL: 5M@25 fps; NTSC: 5M@30 fps CVBS: PAL/NTSC
Resolution	5m (2880 X 1620) 4m (2560 X 1440) 1080p (1920 x 1080) 960H (960 x 576/960 x 480)
Day/Night	Auto switch by ICR
BLC	BLC/HLC/DWDR
WDR	DWDR
White Balance	Auto; Area white balance
Gain Control	Auto/Manual
Noise Reduction	2D NR
Smart IR	Yes
Mirror	Off/On
Privacy Masking	Off/On (8 areas, rectangle)
Certification	
Certifications	CE (EN55032, EN55024, EN50130-4, EN62368-1) FCC (CFR 47 FCC Part 15 subpart B, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)

Port	
Video Output	CVI/TVI/AHD/CVBS by one BNC port
Audio Input	One channel built-in mic (-A)
Power	
Power Supply	12 VDC \pm 30%
Power Consumption	Max 3.2 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 throughout the whole casing
Camera Dimensions	Φ 94.0 mm \times 85.7 mm (Φ 3.70" \times 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