

**XVI** MEGAPIXEL VIDEO

CE FC



**XVI-50IRBTR3**

**5 Megapixel Fixed-Focal Turret Camera**



**KEY FEATURES:**

- Max 25 fps@5 Megapixel (16:9 video output).
- Smart Dual Lighting
- Max. IR LEDs length 40m IR
- 2.8 mm fixed lens
- CVI/CVBS/AHD/TVI switchable.
- IP67, 12 vDC.



FREE Multisite VMS software  
Download from [www.watchnetinc.com](http://www.watchnetinc.com)



Junction Back Box BRACK-BB-43	Wall Mount Bracket BRACK-WM-49	Pole Mount Bracket BRPOLEMXC

**Optional Brackets**



BRACK-BB-43  
Junction Back Box



BRACK-WM-49  
Wallmount Bracket



BRPOLEMXC  
Pole Mount Bracket

CAMERA	
Image Sensor	5 MP CMOS
Effective Pixels	2880 (H) × 1620 (V)
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25 s–1/100000 s NTSC: 1/30 s–1/100000 s
Min. illumination	0.05 lux@F1.6 (Color, 30 IRE) 0.005 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	More than 65dB
Illumination Distance	IR: 40 m (131.23 ft) Warm Light: 40 m (131.23 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	2 (Warm light);2 (IR light)
Pan/Tilt/Rotation	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°

LENS	
Lens Type	Fixed-focal
Lens Mount	φ12
Focal Length	2.8 mm
Max. Aperture	F1.6
Angle of View	H: 106°; V: 56°; D: 125°;H: 92°; V: 48°; D: 109°
Iris Control	Fixed
Close Focus Distance	1.3 m (4.27 ft); 0.8 m (2.62 ft)

DORI DISTANCE				
	Detect	Observe	Recognize	Identify
2.8 mm	56 m (183.73 ft)	22.4 m (73.49 ft)	11.2 m (36.75 ft)	5.6 m (18.37 ft)
3.6 mm	76 m (249.34 ft)	30.4 m (99.74 ft)	15.2 m (49.87 ft)	7.6 m (24.93 ft)

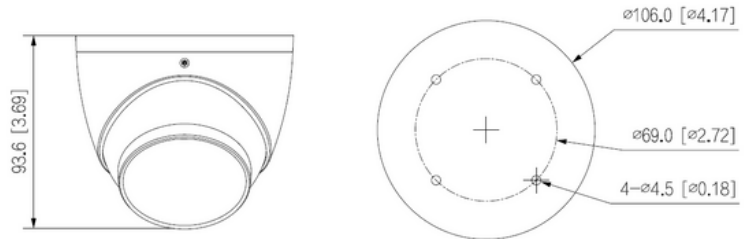
PORT	
Audio Input	1-Channel Built-In Mic
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port

ENVIRONMENTAL	
Operating Conditions	–40 °C to +60 °C (–40 °F to +140 °F) & <95% (RH), non-condensing
Storage Conditions	–40 °C to +60 °C (–40 °F to +140 °F) & <95% (RH), non-condensing
Ingress Protection & Vandal	IP67

ELECTRICAL	
Power Supply	12 VDC ± 30%
Power Consumption	Max 4.5 W (12 VDC, WLED on)

VIDEO	
Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080p (1920 × 1080); 960H (960 × 576/960 × 480)
Frame Rate	CVI: PAL: 5M@25 fps; 4M@25 fps; 1080p@25 fps; NTSC: 5M@25 fps; 4M@30 fps; 1080p@30 fps AHD: PAL: 4M@25 fps; NTSC: 4M@30 fps TVI: PAL: 4M@25 fps; NTSC: 4M@30 fps CVBS: PAL: 960H; NTSC: 960H
Day/Night	Auto(ICR)/Color/B/W
BLC Mode	BLC; HLC; DWDR
WDR	DWDR
Gain Control	Auto/Manual
Noise Reduction	2D NR
White Balance	Auto; Area white balance
Smart IR	Smart IR&WL; WL Mode; IR Mode
Mirror	Yes
Privacy Masking	Off/On (8 areas, rectangle)

CONSTRUCTION	
Casing	Metal
Dimensions	φ106.0 mm × 93.6 mm (φ4.17" × 3.69")
Net Weight	0.47 kg (1.04 lb)
Gross Weight	0.6 kg (1.32 lb)
Installation	Wall mount; ceiling mount; vertical pole mount



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**CANADA**  
351 Ferrier Street Unit 5  
Markham, Ontario L3R 5Z2  
Tel. 416-410-6865  
Toll Free: 1-866-843-6865

**USA**  
171 Cooper Ave. Suite 110  
Tonawanda, New York 14150  
Tel. 716-877-7277  
Toll Free: 1-866-843-6865

**MIDDLE EAST**  
PO Box No 126312  
Suite 703 Oxford Tower  
Business Bay, Dubai, UAE  
Tel. + 971-4-2767117

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www.watchnetinc.com  
info@watchnetinc.com