

# XVI

ENHANCED CVI  
MegaPixel over UTP/Coax



**XVI-50IRBTR2 / XVI-50IRBTR2-B**  
5MP IR Eyeball Camera



### 5MP HD IR Camera

- ❖ 1/2.7" 5MP HD CMOS image sensor
- ❖ Max 25 fps@5MP (16:9 video output)
- ❖ XVI/CVI/CVBS/AHD/TVI switchable
- ❖ 2.8mm fixed lens
- ❖ Max. IR LEDs length 60m/196.9ft, Smart IR
- ❖ IP67, 12V ±30% DC



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  
Walmount Bracket



BRPOLEMXC  
Pole Mount Bracket



BRACK-BB-43B  
Junction Back Box

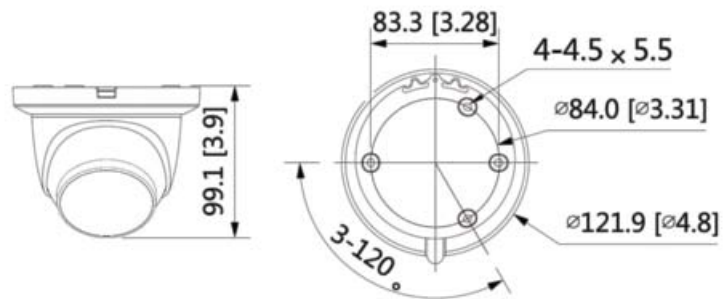


BRACK-WM-49B  
Walmount Bracket

Model	XVI-50IRBTR2 / XVI-50IRBTR2-B
<b>Camera</b>	
Image Sensor	1/2.7" 5MP HD CMOS Image Sensor
Effective Pixels	2880 (H) × 1620 (V), 5MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25s–1/100000s / NTSC: 1/30s–1/100000s
Minimum Illumination	0.01 Lux/F1.6, 30IRE, 0 Lux IR on
S/N Ratio	More than 65dB
Max IR Distance	60m (196.9ft)
IR On/Off Control	Auto / Manual
IR LEDs	2
<b>Lens</b>	
Lens Type	Fixed-focal
Mount Type	M12
Focal Length	2.8mm fixed
Max Aperture	F1.6
Field of View	132° × 111° × 58° (diagonal × horizontal × vertical)
Iris Type	Fixed iris
Close Focus Distance	0.9m (3.0ft)
<b>Video</b>	
Resolution	5M (2880 × 1620); 4M (2560 × 1440); 1080P (1920 × 1080); 960 H (960 × 576/960 × 480)
Frame Rate	<b>CVI:</b> PAL: 5M@25 fps; 4M@25 fps; 1080P@25 fps; NTSC: 5M@25 fps; 4M@30 fps; 1080P@30 fps <b>AHD:</b> PAL: 4M@25 fps; NTSC: 4M@30 fps <b>TVI:</b> PAL: 4M@25 fps; NTSC: 4M@30 fps <b>CVBS:</b> PAL: 960H; NTSC: 960H
Day/Night	Auto switch by ICR
BLC/HLC/WDR	BLC/HLC/D-WDR
White Balance	Auto; manual
Gain Control	Auto; manual
Noise Reduction	2D NR
Smart IR	Yes
Mirror	Off/On
Privacy Masking	Off/On (8 area, rectangle)

<b>Port</b>	
Audio Interface	One channel built-in mic
Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
<b>Electrical</b>	
Power Supply	12V ±30% DC
Power Consumption	Max 5.2W (12V DC, IR on)
<b>Environmental</b>	
Operating Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / <95% (non-condensation)
Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / <95% (non-condensation)
Ingress Protection	IP67
<b>Construction</b>	
Casing	Metal
Dimensions	φ121.9 mm × 99.1 mm (φ4.8" × 3.9")
Net Weight	0.4kg (0.88lb)
Gross Weight	0.6kg (1.32lb)

\* All product names, logos and brands are property of their respective owners. All company products and service names used on this box/website/brochure are for identification purposes only. Use of these names, logos and brands does not imply endorsement.  
2020 WatchNET Inc. © All Rights Reserved  
All product specifications are subject to change without notice.



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

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

**UAE:**  
P O Box No 126312  
Office Suite 703, Oxford Towers,  
Business Bay, Dubai, UAE  
Tel: + 971 4 2767117

Rev. Oct. 27, 2020

info@watchnetinc.com  
www.watchnetinc.com