

# XVI ENHANCED CVI

12x Zoom PTZ with WDR



XVI-21-IRPTZ-12X

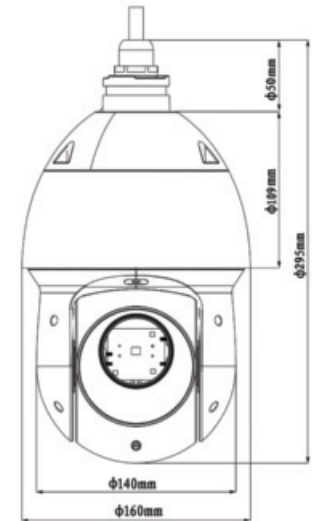


12X HD WDR  
IR PTZ Camera

### Features:

- ❖ 1/2.8" 2.1MP STARVIS™ CMOS Sensor
- ❖ Max. 25/30fps@1080P, 25/30/50/60fps@720P
- ❖ 12x optical zoom
- ❖ 5.3mm - 64mm focal lens
- ❖ 120dB true WDR, 3D DNR
- ❖ Max. IR length up to 100m (328ft)
- ❖ IP66, DC 12V/3A
- ❖ Multiple network monitoring:  
Built-in web server & Multifunction VMS

**Wall Mount and Power supply included**



Corner Mount



Junction Mount

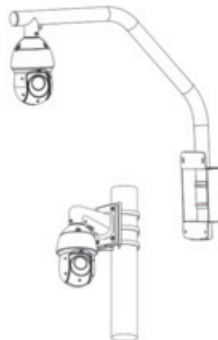


Power Box Mount



Ceiling Mount

Parapet Mount



Pole Mount



iPhone



## 2.1 MEGAPIXEL 12X PTZ CAMERA (TRUE WDR) - XVI-21-IRPTZ-12X

### PRODUCT OVERVIEW

The 2.1 Megapixel IR PTZ camera delivers exemplary video resolution with a focal length of 5.3mm~64mm lens. Featuring with powerful optical zoom and accurate pan/tilt/zoom performance, the XVI series PTZ camera can provide large monitoring range and great detail. The camera delivers 1080P resolution at 25/30 fps, with 12x optical zoom, and has very excellent low light performance due to adopting the latest starlight technology. This PTZ is equipped with smooth control, high quality image and good protection, which make it can meet small and medium size of video surveillance applications.

### SYSTEM FUNCTIONS

#### Flexible & Simple Technology

XVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. XCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network

#### Smart Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. True WDR (120dB) optimizes both the bright and dark areas of a scene at the same me to provide usable video.

#### Voltage Tolerance & Protection

Supporting good input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.

With working temperature range of -40 °C to +70 °C (-40 °F to +158 °F), the camera is designed for extreme temperature environments.

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP66, making it suitable for indoor or outdoor environments.

Model	XVI-21-IRPTZ-30X		
<b>Camera</b>			
Image Sensor	1/2.8" 2.1 Megapixel STARVIS™ CMOS		
Effective Pixels	1920(H) x 1080(V)		
Mini. Illumination	Color: 0.005Lux@F1.6; 0Lux@F1.6 (IR on)		
S/N Ratio	More than 55dB		
Electronic Shutter Speed	1/3s~1/300,000s		
IR Distance	100m (328ft)		
Scanning System	Progressive		
IR On / Off Control	Auto / Manual		
IR LEDs	6		
<b>Lens</b>			
Focal Length	5.3mm ~ 64mm		
Max. Aperture	F1.6 ~ F3.0		
Angle of View	H: 58.4° ~ 4.9°		
Optical Zoom	12x		
Focus Control	Auto/Manual		
Close Focus Distance	100mm ~ 1000mm		
DORI Distance			
*Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.			
Detect	Observe	Recognize	Identify
883m (2897ft)	353m (1158ft)	177m (581ft)	88m (289ft)
<b>PTZ</b>			
Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, auto flip 180°		
Manual Control Speed	Pan: 0.1° ~160° /s; Tilt: 0.1° ~120° /s		
Preset Speed	Pan: 240° /s; Tilt: 200° /s		
Presets	300		
PTZ Mode	5 Pattern, 8 Tour, Auto Pan ,Auto Scan		
Speed Setup	Human-oriented focal Length / speed adaptation		
Power up Action	Auto restore to previous PTZ and lens status after power failure		
Idle Motion	Activate Preset / Scan / Tour / Pattern if there is no command in the specified period		

<b>Video</b>	
Resolution	1080P(1920×1080) / 720P(1280×720)
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P
Video Output	1-channel BNC high definition video output / CVBS video output (switchable)
Day/Night	Auto(ICR) / Color / B/W
OSD Menu	Support
BLC Mode / WDR	BLC / HLC / WDR (120dB)
Gain Control	Auto / Manual
Noise Reduction	Ultra DNR (2D/3D)
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Digital Zoom	16x
Flip	180°
Privacy Masking	Up to 24 areas
<b>Interface</b>	
Video Interface	1
Audio Interface	1 channel in
RS485	1
Alarm I/O	2/1
<b>Electrical</b>	
Power Supply	DC 12V/3A
Power Consumption	13W,20W (IR on)
<b>Environmental</b>	
Operating Conditions	-40°C ~ +70°C (-40°F ~ +158.4°F) Less than 90% RH
Ingress Protection	IP66
Vandal Resistance	N/A
<b>Construction</b>	
Casing	Metal
Dimensions	Φ160(mm) x 295(mm) 6.3" x 11.6"
Net Weight	4kg (8.82lb)
Gross Weight	4.2kg (9.26lb)

All logos & trade marks represent the registered users only. All rights reserved.  
All product specifications on this brochure 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  
Fax: 1-866-331-3341

**USA:**  
171 Cooper Ave. Suite 110  
Tonawanda, NY 14150 USA  
Toll Free: 1-855-404-3193  
Local: 1-716-877-7277  
Fax: 1-866-331-3341

[info@watchnetinc.com](mailto:info@watchnetinc.com)  
[www.watchnetinc.com](http://www.watchnetinc.com)

**INDIA:**  
RZ- 2, Ground Floor  
Kapashera  
Opp Kapashera Police Station  
New Delhi-110037  
Tel/Fax: + 91 11 25060481

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