

BEWARE 8MP 4G Solar PTZ Camera

Model: BW-PTZ-36X8MSD



Product Overview

The BEWARE 8MP 4G Solar PTZ Camera delivers 4K ultra-HD surveillance with 36X optical zoom, 360° PTZ control, and 150m night vision for large outdoor areas. Featuring 4G connectivity, AI detection, and solar-powered operation, it provides powerful 24/7 remote monitoring without electricity or Wi-Fi.

HD

8MP 2K HD Resolution



36X Optical Zoom



360° Pan-Tilt Control



SIM-Based Connectivity



Solar Powered System



150m Long-Range IR Vision

KEY FEATURES

- **8MP 4K Ultra HD Video** – Captures ultra-clear 3840 × 2160 resolution for large-area monitoring.
- **36× optical zoom with PTZ control** – for 360° coverage and precise long-range viewing.
- **4G Connectivity (No Wi-Fi Required)** – Ideal for remote and off-grid locations.
- **Solar Powered with Battery Backup** – Customizable 20W-40W panel & 15000-30000mAh battery.
- **AI Detection with 150m Night Vision** – Smart analytics with long-range infrared visibility.

TECHNICAL SPECIFICATIONS

CAMERA	
Image Sensor:	1/2.8" Progressive Scan CMOS
Resolution:	8MP (3840 × 2160 – 4K UHD)
Minimum Illumination:	Color: 0.05 Lux / IR On: 0 Lux
LENS & ZOOM	
Optical Zoom:	36X
Digital Zoom:	16X
Focal Length:	4.7mm – 98mm
Aperture:	F1.5 – F3.0
PTZ CONTROL	
Pan Range:	360° Endless Rotation
Tilt Range:	-16° to 90°
Presets:	256
Pan Speed:	Up to 120°/s
NIGHT VISION	
IR LEDs:	High-Power LEDs
IR Distance:	Up to 150 meters
Smart IR:	Auto Adjustment
VIDEO & COMPRESSION	
Compression:	H.265 / H.264 / MJPEG
Streaming:	Triple Stream
WDR:	140 dB
DNR:	3D Noise Reduction
SMART FEATURES	
AI Human Detection :	Supported
Motion Detection :	Supported
Tripwire & Perimeter Protection :	Supported
Smart Tracking :	Supported
Defog / BLC / HLC :	Supported



TECHNICAL SPECIFICATIONS

NETWORK	
Connectivity:	4G LTE SIM-Based Network
Protocols:	TCP/IP, HTTP, RTSP, FTP, NTP, SMTP
ONVIF:	Supported
STORAGE	
Micro SD Card:	Up to 256GB
Cloud Storage:	Optional
SOLAR POWER SYSTEM	
Solar Panel:	20W - 40W (Customizable)
Battery:	15000mAh - 30000mAh (Customizable)
Operation:	Continuous (Based on Sunlight Availability)
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SOLAR POWER SYSTEM	
Two-Way Audio:	Supported
POWER	
Power Input:	DC 12V
Power Consumption:	≤ 20W
PROTECTION	
IP Rating:	IP67 Waterproof
Surge Protection:	4000V Lightning Protection



TECHNICAL SPECIFICATIONS

ENVIRONMENTAL

Operating Temperature: -30°C to +65°C

Humidity: 0 - 95% RH

PHYSICAL DETAILS

Housing: Heavy-Duty Metal + Industrial Weatherproof

Camera Type: Outdoor PTZ Dome Camera

Mount Type: Wall / Pole Mount

Weight: Approx. 2.1 kg



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