Reolink

OMVI X16 PoE

Revolutionary 16X Optical Zoom PTZ Camera with a 180° Panoramic View

- 16MP Dual-Lens with 180° Panorama view
- 4K PTZ with Endless 360° Rotation
- 16× Optical Zoom
- SyncTrack with auto tracking

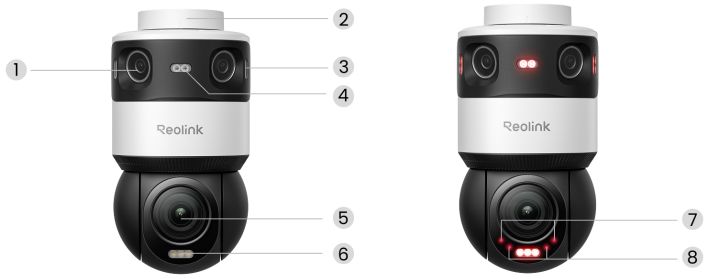
Specifications

Video & Audio	
Image Sensor	1/2.8"CMOS Sensor
Resolution	Upper Cam: 7680 x 2160 (16 megapixels) @20FPS Lower Cam: 3840 x 2160 (8 megapixels) @20FPS
Lens	Upper Cam: f=2.8mm@F=1.6 Lower Cam: f=5.3-86mm/Max F1.6
Video Compression	H.265/H.264
Zoom	Upper Cam: Digital Zoom Lower Cam: 16X optical Zoom
Field of View	Upper Cam: Horizontal: 180±10°, Vertical: 53±2° Lower Cam: H: 54.2°-3.6°,V: 41.7°-2.1°
Infrared Night Vision	Yes (Auto-switching with IR-cut filter)
Color Night Vision	With spotlights: 9pcs/6W/6500K
Frame Rate	Main stream: 2fps - 20fps(default: 20fps) Sub stream: 4fps - 20fps(default: 20fps)
Code Rate	Upper Cam: Main Stream: 3072Kbps -12288Kbps(default: 10240Kbps), Sub Stream: 256-2048Kbps default: 1024kbps

	Lower Cam: Main Stream:3072-7168Kbps default: 5120kbps, Sub Stream:256-2048Kbps default: 1024kbps
Audio	Two-way Audio
Power Requirements	
PoE	IEEE 802.3at, 48V Active
DC Power	DC 12.0V 3A, <36W
Interface	
Power Port	DC power port
Ethernet Port	One 10M/100Mbps; RJ45
Storage	Up to 512 GB microSD card / Reolink NVR/ Reolink Cloud(Selected Countries)
Reset Button	YES
Audio In/Out	Built-in microphone and speaker
Pan & Tilt	
PT Angle(Max.)	Upper Cam Tilt: 0°~22° Lower Cam Pan: 0° to 360° endless, Tilt: -5°~90°
Pan Speed	1.4°-180°/s (configurable)
Tilt Speed	1.4°-56°/s (configurable)
Preset Points	Suppots 1 guard position & up to 64 preset positions
Patrol	Supports 1 patrol; up to 16 presets per patrol
Sync Tracking	YES
Software	
Browsers Supported	Edge, Chrome, Firefox, Safari
OS Supported	PC: Windows, Mac OS; Smartphone: iOS, Android
Protocols & Standards	HTTPS, SSL, TCP/IP, UDP, HTTP, IPv4, UPnP, RTSP, RTMP, SMTP, NTP, DHCP, DNS, DDNS, FTP, P2P
User Access	Max. 20 Users (1 admin & 19 user);
Other Features	
Smart Alarm	Motion detection/Human Detection/Vehicle Detection/ Animal Detection

Local AI Video Search	YES
Perimeter Protection	Line Crossing Alert, Zone Intrusion Alert, Zone Loitering Alert
Recording Modes	Motion-triggered recording (default); Scheduled recording, 24/7 recording
Time Lapse	YES
Smart Home Compatibility	Google Assistant
Working Environment	
Operating Temperature	-10°C~+55°C (14°F~131°F)
Operating Humidity	10% ~ 90%
Weatherproof	IP66
Mechanical	
Dimensions	257*167*136MM
Weight (Without Accessories)	2.85KG
Warranty	
Limited Warranty	2-year limited warranty. For support, visit https://support.reolink.com/hc/en-us/

Gallery & Specs



1. Panoramic Lens
2. Mounting Bracket
3. Spotlights & IR LEDs
4. Spotlights & IR LEDs
5. PTZ Lens
6. Spotlights & IR LEDs
7. IR LEDs
8. IR LEDs





1. Ceiling/Wall Mount Base
2. Bracket Mounting Screws
3. microSD Card Slot
4. Reset Button
5. Speaker
6. LAN Port
7. Power Port
8. Microphone