



Product Data Sheet

Optier 4MP AI SMART DUAL LENS WIFI 6X PTZ NETWORK CAMERA

Upgrade your home or office security with the Optier Dual Lens 4MP Smart Wi-Fi Camera, featuring an innovative 4MP + 4MP dual-lens system for superior image clarity and wider coverage. Equipped with AI-powered human detection, 355° pan & 90° tilt functionality, and advanced night vision, this camera ensures round-the-clock surveillance with crystal-clear 4MP resolution.

Key Features:

Ultra-HD Dual-Lens Technology

4MP High Resolution (4MP + 4MP Dual Sensor) – Captures sharp, detailed footage with enhanced depth and clarity.

Dual 80° Wide-Angle Lenses – Expansive 160° combined field of view minimizes blind spots.

1/2.9" MIS2008 Sensor & KM01D Chip – Delivers superior low-light performance and smooth video processing.

Smart AI & Motion Detection

AI Human Detection – Reduces false alarms by intelligently distinguishing humans from other moving objects.

Real-Time Alerts & Push Notifications – Instant alerts via the app with snapshots when motion is detected.

Two-Way Audio – Built-in mic & speaker allow clear communication with visitors or intruders.

Advanced Night Vision & Lighting Control

IR Night Vision (Up to 30m) – Automatic IR-CUT switch ensures clear black-and-white footage in total darkness.

Smart White Light Control – Can be set to Auto/ON/OFF; activates when human motion is detected at night.

0.01 Lux Minimum Illumination – Exceptional low-light sensitivity for detailed night-time monitoring.

Flexible Connectivity & Storage

Dual-Band Wi-Fi & Ethernet (RJ45 Port) – Supports stable wireless and wired connections.

Local & Cloud Storage – Save footage via microSD card (up to 256GB) or secure cloud storage.

H.264 Compression – Reduces bandwidth usage without compromising video quality.

Pan-Tilt & Smart Controls

355° Horizontal & 90° Vertical Rotation – Full-area coverage with remote control via the app.

3D Noise Reduction & Backlight Compensation – Enhances image quality in challenging lighting conditions.

Weatherproof Design – Operates in -10°C to 50°C, ideal for indoor and outdoor use.

- * **4MP Dual-Lens Clarity** – Double the detail for better security.
- * **AI-Powered Alarms** – Smarter detection, fewer false alerts.
- * **24/7 Night Vision** – See clearly even in pitch darkness.
- * **Two-Way Talk** – Communicate remotely via the app.
- * **Flexible Storage & Connectivity** – SD card, cloud, Wi-Fi, or Ethernet options.

Ideal for homes, offices, shops, and warehouses, the Optier combines high-resolution imaging, AI analytics, and robust.

build quality for a reliable security solution. Stay protected day and night with cutting-edge surveillance technology!

Compatible with Android/iOS | Easy Setup | 12V DC Power Adapter Included

TECHNICAL SPECIFICATIONS

Alarm Speaker

System structure Embedded Linux system, ARM chip structure

Chip KM01D

Sensor 1/2.9" MIS2008*2

Resolution 4mp+4mp=8mp

Lens fixed 3.6mm, 6X motorised Lens

18 Colour Led

21 IR Led

View Angle 2*80°

Pan-tilt Horizontal:355° Vertical:90°

Video compression standard H.265

Video format PAL

Minimum illumination 0.01Lux@ (F2.0, VGC ON), 0.01Lux with IR

Electronic shutter Auto

Backlight compensation Support

Noise reduction 2D 3D

Night vision

IR-CUT switch Automatic, about 25~30meters (It varies from environment)

White Led can be remote control via APP: ① Turn ON ② Turn OFF ③ Auto (In automatic mode, the infrared light will be turned ON after the IR-cut switch to night vision automatically, it can intelligently detect human body, and Turn ON/OFF the White light intelligently)

Network Connection WIFI, Hotspot Adapt to RJ45 Network port

Audio

Built-in microphone and speaker, support two-way audio and real-time transmission.

ADPCM audio compression standard, self-adapt to code stream

Network protocol TCP/IP, DDNS, DHCP

Alarm ① Motion detection, Voice alarm and picture push ② AI Human Motion Detection

Storage TF Card (Max 256G); Cloud storage

Power input DC 12V 2A Adaptor

Work environment Working temperature: -10 ~ + 50 Working Humidity: ≤95%RH