

Milesight

MILESIGHT Q SERIES NETWORK CAMERA

Professional Quality Series

See in TrueColor, Stay On-Guard



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01 Product Overview

Milesight Product Matrix

	VCA 1.0			VCA 2.0	MSense			XSense
	Color+		TrueColor		STARLIGHT+	STARLIGHT+		XSight
8 MP	MS-C8163 MS-C8164-F MS-C8175 MS-C8183	MS-C8164 MS-C8173 MS-C8175-F	MS-C8131 MS-C8168 MS-C8172 MS-C8231 MS-C8268 MS-C8272	MS-C8152 MS-C8166-F MS-C8266-F MS-C8272-F	MS-C8162-F MS-C8172-F MS-C8266-X4	MS-C8241-X36 MS-C8267-X20		
6 MP				MS-C6762-F MS-C6772-F	MS-C6766-F			
5 MP	MS-C5363 MS-C5364-F MS-C5375 MS-C5383	MS-C5364 MS-C5373 MS-C5375-F	MS-C5431 MS-C5468 MS-C5472	MS-C5352 MS-C5366 MS-C5366-X12	MS-C5362-F MS-C5366-F MS-C5372-F	MS-C5341-X25 MS-C5361-X12	MS-C5341-X30 MS-C5367-X12	MS-C5341-X42 MS-C5367-X23
4 MP	MS-C4564 MS-C4575	MS-C4573 MS-C4583	MS-C4431 MS-C4468 MS-C4472	MS-C4452 MS-C4466-X4	MS-C4466-F MS-C4472-F	MS-C4441-X36 MS-C4467-X20	MS-C4471-X20	
2 MP	MS-C2963 MS-C2964-F	MS-C2964 MS-C2973 MS-C2975		MS-C2952 MS-C2962-F MS-C2966-X12	MS-C2966-F MS-C2972-F	MS-C2871-X20 MS-C2941-X42 MS-C2967-X23	MS-C2941-X21 MS-C2961-X12 MS-C2971-X12	MS-C2941-X30 MS-C1967-X12 MS-C2971-X23
	Mini Series		Q Series	Pro Series		PTZ Series		X Series

BASIC INFORMATION

> Released Model

Product Name	Resolution	Sensor	Model
 Milesight AI TrueColor Turret Network Camera	4MP	1/1.8"	MS-CQ4431-HYPG1
	5MP	1/2.65"	MS-CQ5431-HYPG1
	8MP	1/2.7"	MS-CQ8131-HYPG1
	8MP	1/1.8"	MS-CQ8231-HYPG1
 Milesight AI TrueColor Bullet Network Camera	4MP	1/1.8"	MS-CQ4468-HYPG1
	5MP	1/2.65"	MS-CQ5468-HYPG1
	8MP	1/2.7"	MS-CQ8168-HYPG1
	8MP	1/1.8"	MS-CQ8268-HYPG1
 Milesight AI TrueColor Dome Network Camera	4MP	1/1.8"	MS-CQ4472-HPG1
	5MP	1/2.65"	MS-CQ5472-HPG1
	8MP	1/2.7"	MS-CQ8172-HPG1
	8MP	1/1.8"	MS-CQ8272-HPG1

Naming Rules: H--Smart Hybrid Light P--Supported POE Port Y--Support Speaker & Dual-Microphone G1--First Generation of the Chip

PROFESSIONAL QUALITY SERIES

CLEAR, SMART, ALL-IN-ONE SECURITY SOLUTION



Q Series - Professional Quality

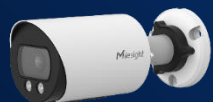
2025.7

- Target Market: **SMB, mid-to-low-end surveillance**
- Applications: Residential, Campus, Construction, Commercial
24/7 TrueColor Imaging for enhanced visibility in low-light environments.
Smarter AI Events:
VCA 2.0 Enhanced range, higher accuracy, and fewer false alarms delivers smarter, more reliable detection.
MSense provides intelligent trend analysis tailored for vertical business applications.
Audio-visual Active Deterrence to prevent unauthorized intrusions.
Seamless & Open Backend Integration for central management & incident verification.

THE ENTIRE TRUECOLOR SERIES

— NOW FULLY ENHANCED

Milesight



Color+

Full-color Image Performance

0.001Lux Ultra Low-light

F1.0 Large Aperture & 1/2.8" Sensor

4K Video Viewing Experience

VCA 1.0



TrueColor AI

Hybrid Light for 24/7 TrueColor Imaging

Up to 0.0008Lux Ultra Low-light

F1.0 Large Aperture & 1/1.8" Sensor

Ultra-High Resolution Up to 8MP

AI ISP

Day-Night Co-focus Lens & AA Process

VCA 2.0 & MSense

On-Guard

02 Product Highlights

Q SERIES NETWORK CAMERA

Milesight



24/7 TrueColor Imaging with Professional Quality

- **Hybrid Light** for **24/7 TrueColor** Imaging
- **F1.0, 1/1.8"** Big Sensor for **4MP/4K** Resolution with **AI ISP**
- AA Process & Day-Night Focus Lens



Powerful Intelligent Protection

- **On-Guard:** Red-Blue Flashing Lights & Two-way Audio & One-click Arming & Disarming
- **VCA 2.0:** 8 * VCA Events & Smart Motion Detection & Tamper Detection
- **MSense:** Object Counting (Crossing Line & Regional), Vehicle Counting & Heat Map



Comprehensive Integration with 3rd-party Platform

- **Seamless Integration with 3-rd Party Platform**
- Rich Attributes Push & Backend Analysis
- Onvif G/M/S/T & Metadata & One API



Cutting-Edge Industrial Design

- Support **Built-in Dual Microphone & Speaker**
- **1TB** Micro SD/SDHC/SDXC Cards Slot
- IP67 & IK10 Security & Protection
- **"One Screwdriver"** Design

TRUECOLOR TECHNOLOGY

Enhanced Night Vision with AI ISP, Large Aperture & Sensor



See Clearly, Even Without Lighting

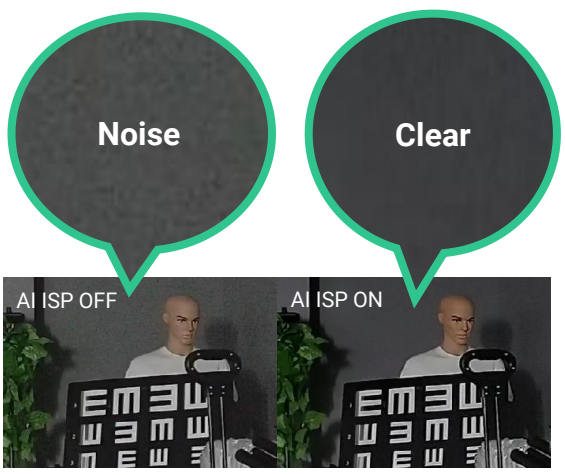
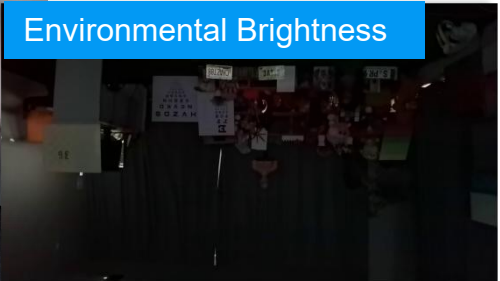
Powered by a large sensor, ultra-wide F1.0 aperture, and advanced AI ISP, the Q Series camera captures vivid, full-color images even in near-total darkness, delivering industry-leading low-light sensitivity of 0.0008 lux. This enables it to reveal every detail without relying on external lighting.



Q Series Camera



Environmental Brightness



AI ISP

AI ISP integrates AI-powered image processing for **noise reduction**, dynamic range enhancement, sharpening, and color optimization, **delivering clearer, more accurate visuals.**

F1.0 Super Aperture

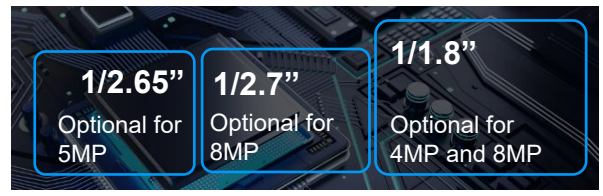
- **2.56x More Lights Intake than F1.6**
- Brighter Vision
- Clearer Detail

☀ 2.56 times more light than F1.6



1/2.65" & 1/2.7" & 1/1.8" Sensor

Equipped with **larger sensor** and versatile resolutions (**4MP, 5MP, 8MP**) for enhanced detail capture.



TRUECOLOR TECHNOLOGY

Smart Hybrid Light



IR mode



White light mode



Smart mode

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Maximum **40m** IR Distance



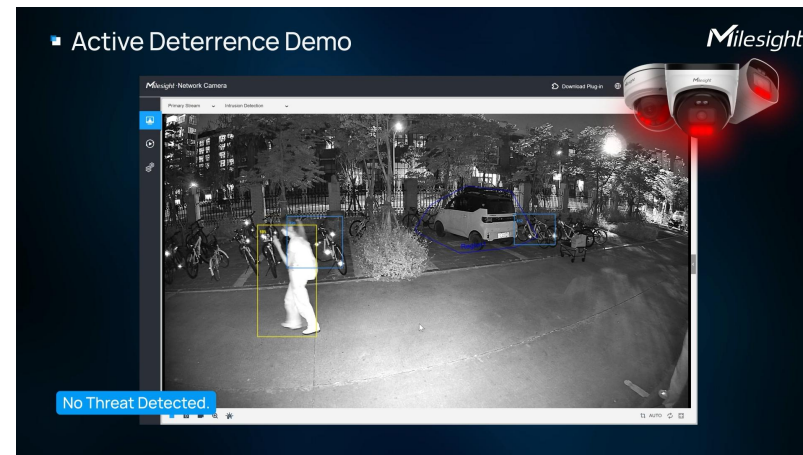
Maximum **30m** White Warm Distance



F1.0 4K AI ISP 1/1.8" Large Sensor

Flexible Illumination Modes:

- **Smart Switch (Default):** Auto-switch between IR and White Warm light when a target is detected—balancing visibility and discretion.
- **IR Mode:** IR only, ideal for low-profile monitoring and reducing light pollution.
- **White Light Mode:** Constant warm lighting for true-color video when needed. Capture more details to provide reliable evidence.
- **OFF:** Off all lights



Powered by Smart Hybrid Lights Technology

- Turret & Bullet: 3× Mixed IR & White Warm Lights
- Dome: 6× Mixed IR & White Warm Lights
- Light Distance: **IR up to 40m, White Warm Light up to 30m**

Highlights:

- Full-Color Night, Low Noise, Vivid Detail
- **Ensures smooth transitions without any temporary image loss**, guaranteeing complete and uninterrupted footage for reliable surveillance evidence.

TRUECOLOR TECHNOLOGY—Q SERIES

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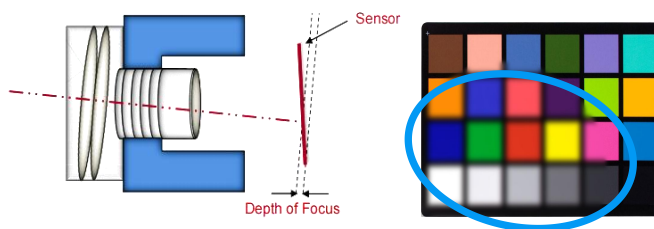
Hardware & Software Synergy for Precision Imaging

Industry-leading Precision AA Process

Active Alignment (AA) technology ensures the lens and image sensor are perfectly aligned to achieve optimal image quality.

Passive Alignment

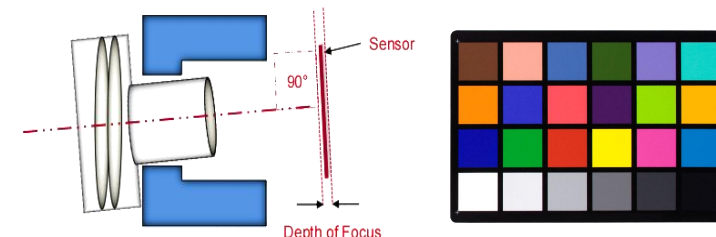
Traditional Camera Module Assembly Technique



Poor Tilt Control **Blurred Image**

Active Alignment (AA)

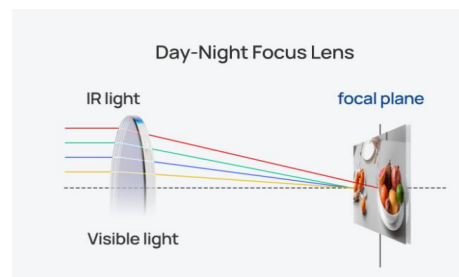
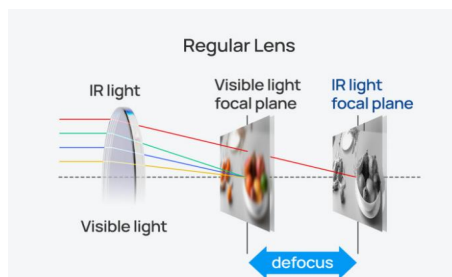
Real Time Alignment and Assembly of Lens to Sensor
via Multiple DOF Maneuver



Ideal Alignment and Centering **Clear Image**

Super Day-Night Focus Lens

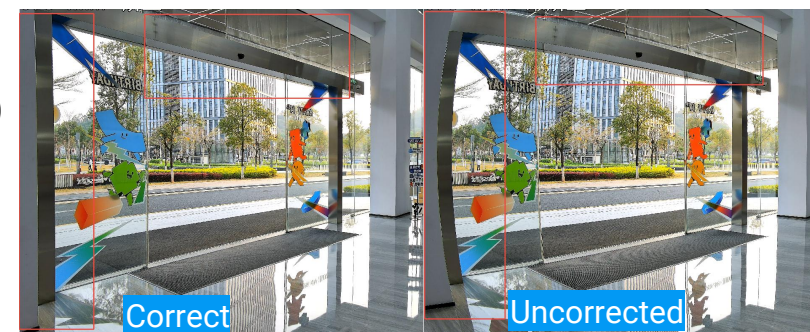
Precisely focuses visible and infrared light on a single focal plane, delivering ultra-sharp images even in low-light conditions.



Precision Image Correction for True-to-Life Views

• True-to-Life View with LDC

Lens Distortion Correction (LDC) straightens curved edges in wide-angle footage, delivering more natural, accurate images without visual distortion.



SUPERIOR IMAGE QUALITY EFFECT

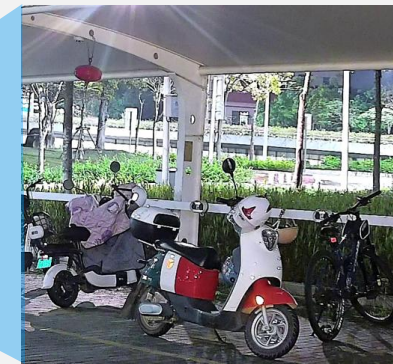
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8MP WITH 1/1.1.8" SENSOR AND F1.0 APERTURE

Full-light



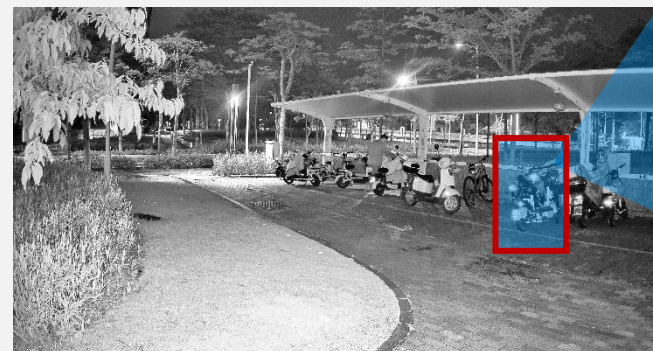
TrueColor



Low-light



Infrared

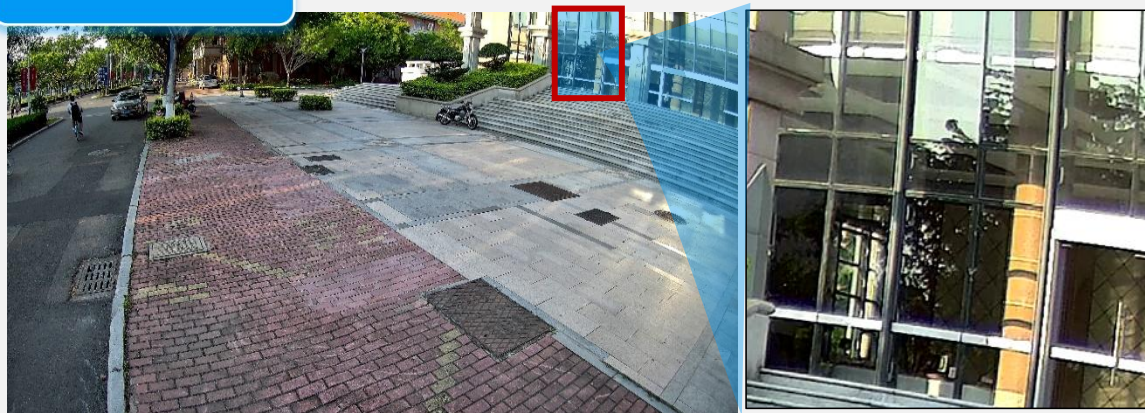


SUPERIOR IMAGE QUALITY EFFECT

Milesight

8MP WITH 1/1.2.7" SENSOR AND F1.0 APERTURE

Full-light



TrueColor



Low-light



Infrared



SUPERIOR IMAGE QUALITY EFFECT

Milesight

5MP WITH 1/1.2.65" SENSOR AND F1.0 APERTURE

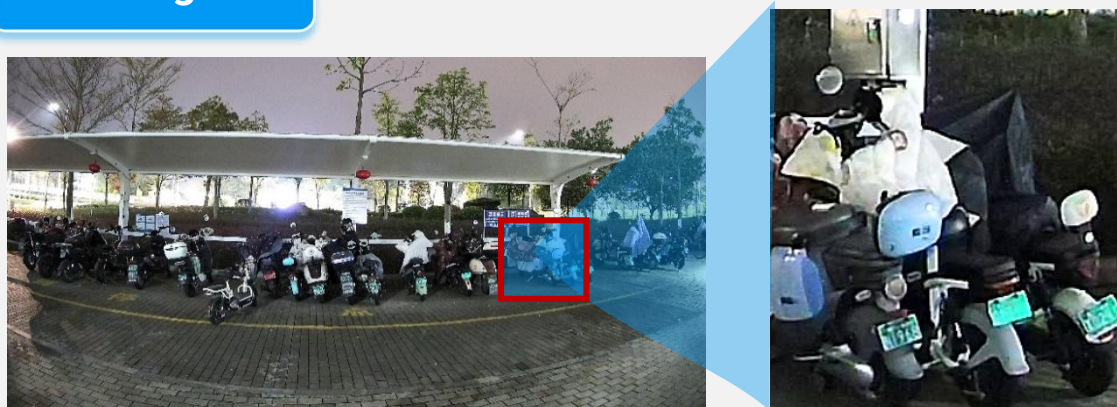
Full-light



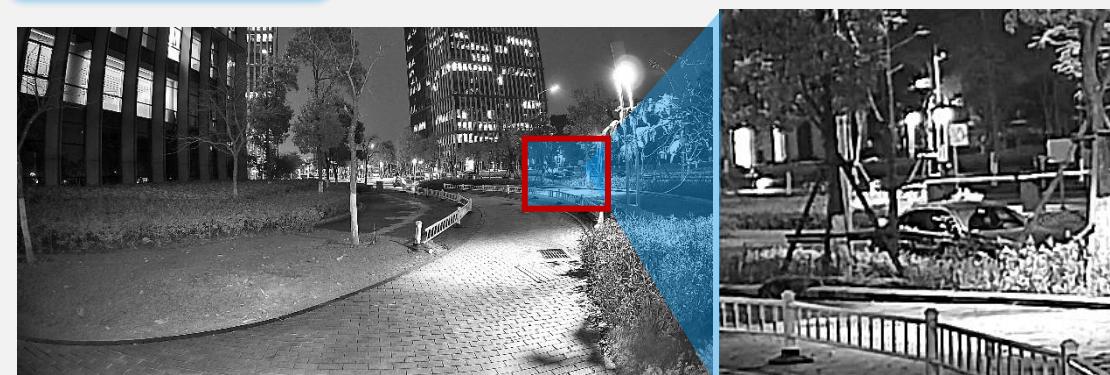
TrueColor



Low-light



Infrared



AI TRUECOLOR CAMERA—Q SERIES



Milesight

Maximum **40m** IR Distance



Event Trigger



F1.0 4K AI ISP 1/1.8" Large Sensor

Action Linkage

Active Deterrence



Red-blue Flashing Lights



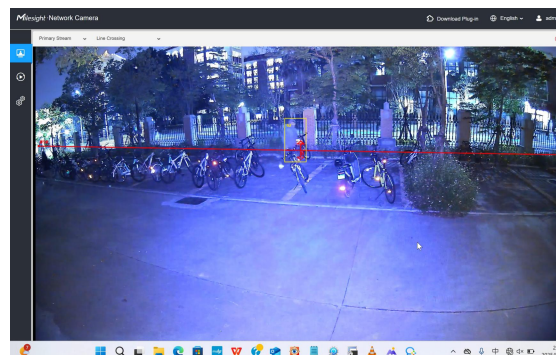
Audio Alarm

IR & Warm White Light for Clear, Reliable Imaging

- IR Light minimizes light pollution for discreet monitoring
- Warm White Light captures detailed, full-color images for stronger evidence



Built-in Red & Blue Flashing Lights for Strong Visual Deterrence



Clear Audio, Strong Deterrence



Up to 20m



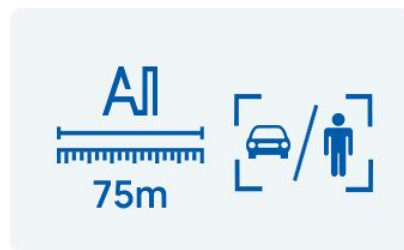
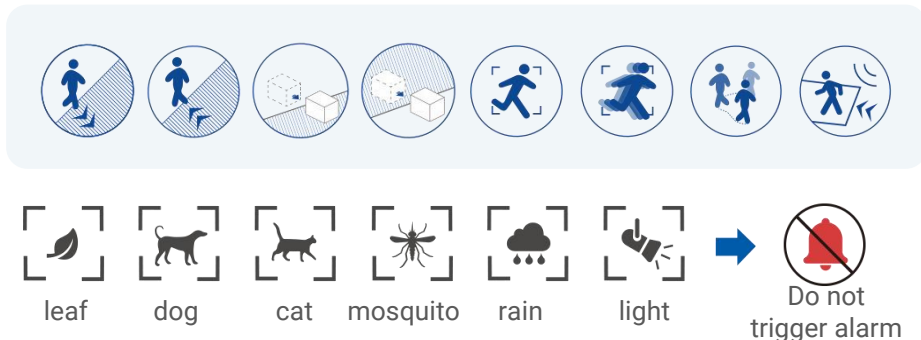
95dB measured at 10cm

- Built-in **dual** microphones capture sound c.
- High volume speaker , stronger deterrence to drive away intruders.

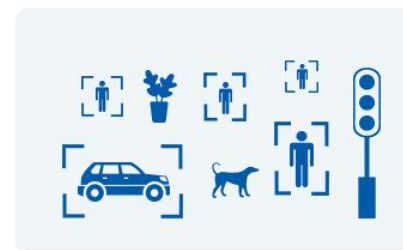
AI TRUECOLOR CAMERA — Q SERIES

Milesight

VCA 2.0---Ultra-Low False Alarm



AI Recognition
up to 75 Meters



Small & Multi-
Target Precision



Ultra-Low False
Alarm Rate

MSense--Built for Vertical Intelligence

Object Counting

- People Counting & Regional People Counting & Vehicle Counting

Commercial:

- Monitor crowd density in real time for better staffing and safety
- Provide accurate data for marketing analysis
- Identify peak hours for smarter facility management
- Trigger alerts when traffic exceeds limits

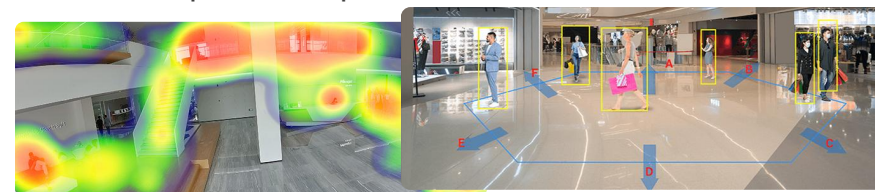


Heat Map

Built-in statistical behavior analysis

Retail:

- Identify high-traffic zones and low-engagement areas
- Optimize shelf layout and promotion placement
- Increase product exposure and boost sales conversion



EASY & SEAMLESS INTEGRATION

Milesight

ONVIF | GMST

ONE API



Easy & Seamless Backend Solution

- Seamless & Flexible Integration with Third-Party Platforms

Effortlessly connect with various systems using **ONVIF G/M/S/T, CGI, Metadata, and One API**.

- Rich Attribute Push & Backend Analysis

Deliver comprehensive target attributes in real-time to enhance backend intelligence and analysis.

Genetec

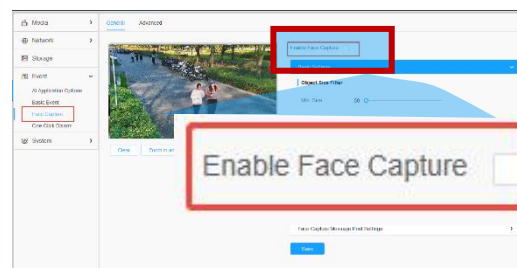
milestone



NetworkOptix
VIDEO. POWERED.

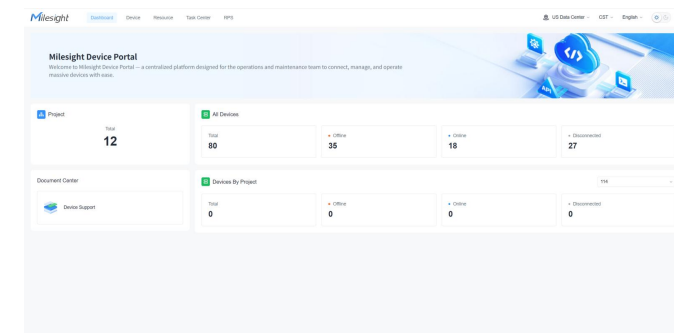
Face Capture

- Real-time Face Capture**
Instantly capture faces for accurate identification.
- Seamless Third-party Integration**
Easily connect with external systems for streamlined data exchange.
- Secure Data Transmission**
Supports HTTPS and TCP Message Post to ensure safe and reliable communication.



Milesight Device Portal

- Effortless Device Management
- Easy remote operation & maintenance
- Supports public network access for flexible deployment



03 Cutting-Edge Industrial Design

EXCELLENT DESIGN FOR EASY INSTALLATION

Milesight

"One Screwdriver" Design



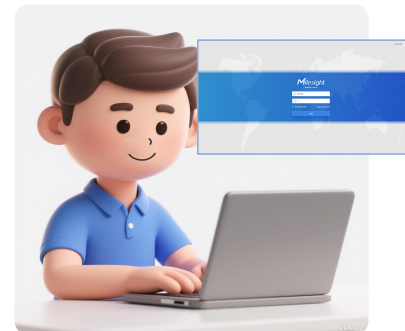
Step1: Fix the Mounting Bracket



Step2: Align in the position
Tighten the Horizontal Limit Screw



Step3: Rotation and Lock
the Vertical Screw

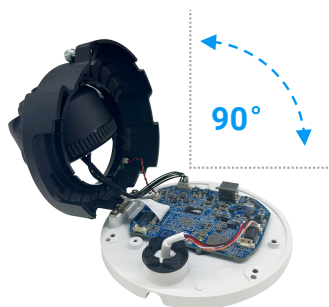


Step4: Configuration in
the website

Eco-Friendly Housing Design



Clamshell Design



Optimal Heat Dissipation Design

Mounting Bracket



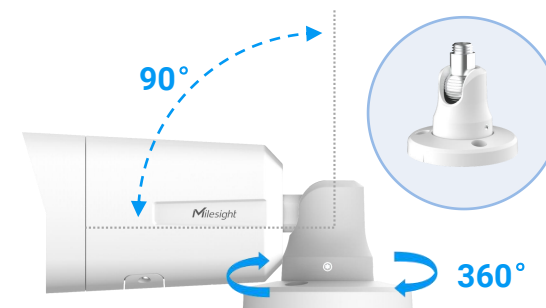
Independent Rotation Lens from 0° to 355°.



Separated Base, Integrated Dome



Robust 3-Axis Mechanical Design

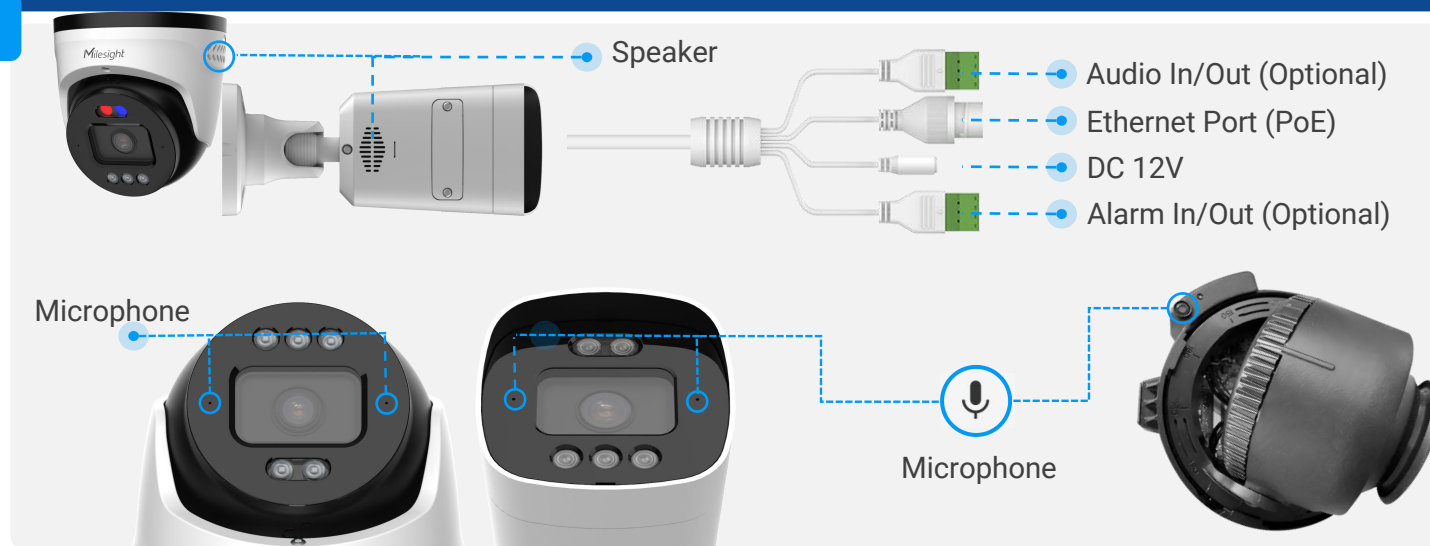


EXCELLENT DESIGN FOR EASY INSTALLATION

Milesight

Built-in Microphone and Speaker, Versatile Interface

- **Bullet & Turret:** Support Dual Microphones and Built-in Speaker
- **Dome:** Equipped with a Single Microphone
- **Audio & Alarm Interface** Support on 4MP/8MP(1/1.8") Models for Enhanced Expandability
- Maximizes Internal Space, Improves Reliability, and Simplifies Installation



Robust & Excellent Structural Design

- **Smart Hybrid Lights** (Mixed IR and White Warm Lights)
- 1TB Micro SD/SDHC/SDXC Cards Slot
- IP67 & IK10 Security and Protection
- Casing Material: Metal



1TB Storage



IP67&IK10



FLEXIBLE MOUNTING OPTIONS FOR EVERY SCENARIO

Milesight

Milesight provides a wide range of mounting brackets—including wall, ceiling, and pole mounts—ensuring seamless installation in any environment.



**A72 V2
Wall Mount**



**A72 V2 + A02 V2
Pole Mount**



**A72 V2
Wall Mount**



**A72 V2 + A03
Corner Mount**



**A63
Wall Mount**



**A03
Corner Mount**



**A71 + A03
Corner Mount**



**A76 V2
Pendant Mount**



**A76 V2
Pendant Mount**



**A01
Pole Mount**

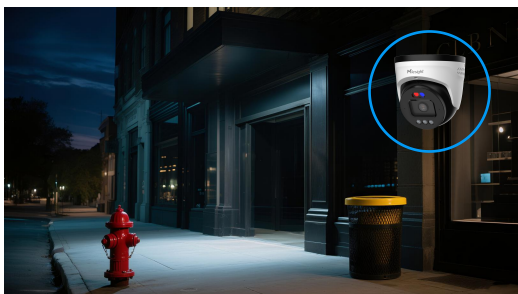
04 Scenario Applications

SCENARIO APPLICATIONS

Milesight

Retail Store

- **Asset Protection After Hours:** Detect unauthorized access to prevent losses.
- **Smart Shelf Insights:** Optimize product placement via traffic heatmaps.



Construction Site

- **Asset Protection:** Prevent theft and vandalism of valuable equipment and materials.
- **Risk & Compliance:** Capture incidents to improve safety and support regulatory compliance.
- **Remote Oversight:** Monitor project progress and worker activity anytime, anywhere.



Private Villas & Community

- **24/7 Safeguard:** Intrusion Detection & Deterrence Detect suspicious activity in real-time and trigger red-blue strobe lights with sirens to drive away intruders.
- **Full-Color Night Vision:** Powered by TrueColor technology, capture vivid, detailed full-color images even in low-light or no-light conditions



HealthCare

- **AI Identification:** Real-time face capture for identity verification and visitor control.
- **Safety Assurance:** Monitor key areas to protect patients and staff from unauthorized access.
- **Emergency Alerts:** Active deterrence in restricted zones for instant threat response.





THANKS FOR WATCHING



Stay in Touch on Milesight Social Media!



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