

Indoor/Outdoor 5MP Bullet IP Camera, 3.3-12mm Sony Lens, POE, IR



The CamerEye 23001 is a high-performance 5 Megapixel camera with an IP67 environmental rating. This model is suitable for indoor and outdoor use for a wide range of applications. The camera comes pre-configured to securely operate with the CamerEye Cloud DMS and CamerEye builder portal

Key Features

- > 5 Megapixel
- > Indoor/Outdoor Waterproof Bullet
- > Durable All-Aluminum Housing, IP67
- > Motorized Lens, 3.3-12mm
- > Wide Dynamic Range & Ultra Low Light Color
- > Night Vision Smart IR, IR LEDs, 40m range
- > RTSP Streams

Camera

Pixels	5 MP
Resolutions	2592x1944, 2560x1440/2304x1296/ 1920x1080/1280x720 @25/30fps
Lens	3.3 - 12mm lens
Night Vision	Smart IR LEDs, 40m range (131ft)
Field of View	35° - 120.6°
Dynamic Range	WDR (120dB) and HLC/BLC
Digital Noise Reduction	2D/3D DNR and defog
Digital Image Stabilization	Automatic
Applications	Best for modest outdoor areas or large indoor areas: small parking lots, fields, parking garages, work yards, backyards, outdoor entrances, warehouses
Image Sensor	1/2.5" progressive scan Sony IMX335 CMOS
Iris	Fixed
Shutter Speed	1/5s to 1/20000s
Min Illumination	Color 0.01 Lux; IR on 0 Lux

Digital Capabilities

Video Compression	H.265, H.264, and MJPEG
Image Settings	Rotation, sharpness
Corridor Mode	Yes

Setup

CamerEye Cloud DMS	Preconfigured with secure password, plug and play
Camera Settings	Fully integrated with CamerEye Cloud AWS and CamerEye DMS
Cyber Secure	AWS Verified

NVIDIA Compute/Processing Power:

- GPU - 128-core NVIDIA® CUDA® Maxwell™ architecture GPU
- CPU - ARM® Cortex® -A57 MPCore (Quad-Core) Processor with NEON Technology
- Memory capacity - 4GB 16-bit LPDDR4 25.6 GB/s |
- Storage - 16 GB eMMC 5.1
- Integrates a Gigabit Ethernet controller which supports 10/100/1000 Mbps Gigabit Ethernet and MAC.
- Includes PMIC, regulators, power and voltage monitors and on-chip temperature sensors

Software/Firmware Features:

- H265/H264 codec pipeline run with CUDA hardware acceleration
- AI docker features run within CUDA hardware acceleration
- Configurable BaseOS for custom code development
- Configurable service docker for deployment of various edge AI services
- Proprietary pipeline for optimized performance of CPU and GPU loads in parallel for AI/ML and CV programs.
- Optimized KVS performance for enabling SmartStream® to AWS cloud services
- Fleet management using proprietary DMS (device management system) software
- Single or Group device updates and debugging using MQTT through DMS