5 MEGAPIXEL AI CLOUD CAMERA

S2605

The KastleVideo 5 Megapixel AI Camera (S2605) is a complete video security solution that greatly simplifies installation while providing superior protection compared to traditional IP cameras and NVRs. With built-in 24x7 video recording, the S2605 eliminates the need for an external recorder. Featuring, patented compression technology, the 5MP Dome can record and transmit video using up to 70% less capacity resulting in reduced network and bandwidth costs.

Featuring deep learning video analytics technology, the S2605 can differentiate people and vehicles from the normal motion generated by foliage and shadows, then instantly send an alert. The S2605 is part of the KastleVideo family of managed security solutions, and can be configured and viewed remotely by authorized users. Automated tamper detection, health checks and error recovery are included to ensure that security is never compromised. With Power-over-Ethernet connectivity, extreme low-light capability and built-in digital I/O, the S2605 combines simplicity and versatility in a compact package. The S2605 features one-click integration with the KastleVideo Cloud VMS, enabling a complete Cloud-based intelligent video security solution.

CAMERA

DEEP LEARNING AI VIDEO ANALYTICS
AI analytics transform the camera into intelligent video sensors by accurately detecting people, vehicles, loitering and zone-of-interest violations. Dramatically reduces false alarms by up to 85% vs. outdoor PIRs or cameras with built-in motion detection.

BUILT-IN DVR
Records up to 30 days of HD video, eliminating the need for a separate external NVR or VMS.

SECURE VIDEO STREAMING
Allows simultaneous viewing of live video on multiple Web and mobile clients.

ULTRA LOW-LIGHT
Exceptional color images under challenging lighting conditions and long distances over 200 ft.

VIDEO MANAGEMENT

KASTLEVIDEO CLOUD VMS
All KastleVideo solutions feature 100% Web-based video management functionality with no servers or software installation required.

VIDEO SEARCH ENGINE
Intelligent video search saves time by drilling down to the specific events of interest in seconds rather than hours.

AUTOMATED SYSTEM HEALTH MONITORING
The system issues proactive alerts in case of camera tampering, poor video quality or loss of communication.

CYBER-SECURITY INCLUDED
Hacker-proof and secure using 2048 bit certificates. Built-in firewall and encrypted communication for added security.

CAMERA

Image Sensor	1/2.8" 5MP Progressive CMOS	**Image Processing**	Auto White Balance, Auto Exposure; 3D Noise Reduction; Wide Dynamic Range (WDR)
Light Sensitivity	Color: 0.15 lux; B/W with IR: 0 lux up to 130 ft. For longer range, use an external IR illuminator	**Lens**	2.8mm-13.5mm motorized varifocal lens with autofocus, 90° (wide) to 24° (zoom)

VIDEO

Video Compression	H.264/H.265 Main Profile	**Resolutions**	2592x1944(5MP) /1440x1080(1.5MP)

VIDEO MANAGEMENT

Hosted Software	Works with KastleVideo Cloud VMS. Offers 100% web and mobile viewing, advanced search and cloud backup. No NVR needed on-site.	**Alarm Monitoring Integration**	Bold Manitou, Micro Key MKMS, SIMS II/III, Immix®, SGS-stages

ANALYTICS

Engine	Auto-calibrating analytics with tracking and classification engine for people and vehicles. Rejects clutter from environment and illumination changes.	**Video Alarm**	10-second video clip generated upon trigger of alarm; contains 2-4 seconds of pre-alarm video
Analytics	Person Detection, min 5 to max 90 ft (2.8mm) Person Detection, min 35 to max 260 ft (13.5mm) Vehicle Detection, min 5 to 70 ft (2.8mm) Vehicle Detection, min 35 to 320 ft (13.5mm) Zone Violation Loitering Person Stopped Vehicle Detection distances vary with zoom	**Tamper Alarm**	Poor video Loss of communication
		Digital I/O (Access and Alarm Panel)	Digital Input: Normally Open. Close contact to trigger. Digital Output: Normally Open. Close on Detection. Max 60V 1A.

NETWORK

Wired	10/100/1000 Mbps Ethernet (RJ-45)	**Protocols**	IPv4/v6, TCP/IP, UDP, HTTP, HTTPS, IGMP, DHCP, RTP/RTSP, HLS

DVR

Resolutions	5MP or 1.5MP	**Recording**	Up to 30 days of continuous recording at 1.5MP or 14 days at 5MP

GENERAL

Dimensions	Ø 140 x 108 mm (Ø 5.51 x 4.25 in.)	**Power Source**	PoE 802.3af, DC12V
Operating Conditions	-20°C ~ 50°C (4°F ~ 122° F) Humidity: 10% ~ 90%, no condensation. IP66 weatherproof rating	**Power Consumption**	8W
		Weight	2.02 lbs
Connectors	RJ45, Audio Line Out, Terminal Block	**Approvals**	CE, FCC, NDAA Compliant

DETECTION RANGES