

M5 Smart-Sensor

DESCRIPTION

The camera-based M5 Smart-Sensor has the ability to sense, identify, and count vehicles for individual parking spaces. Configured with one or two CMOS digital cameras, each smart-sensor can monitor up to six (6) parking spaces simultaneously.

Using a distributed processing ecosystem, camera images are continuously processed by smart AI algorithms to detect parking space occupancy changes using proprietary image processing software. For surveillance purposes, the output of the cameras can be streamed over the network. The Smart-Sensor's housing has a seal rating of IP65, preventing the ingress of water and dirt.

Built into the M5 Smart-Sensor is a full spectrum RGB (LED) indicator, configurable to any of thousands of colors to indicate the status of the spaces it monitors. In a typical configuration, the indicator is green when at least one monitored space is unoccupied, and red when all monitored spaces are occupied. Status colors can be set remotely via software to meet local standards and/or address special needs.

Each M5 Smart-Sensor operates locally, managing its own occupancy status and indicator color. Data and images flow from sensors to the central server & INX Core via a proprietary PoE (Power over Ethernet) based TCP/IP Ethernet network. An internal Ethernet switch and power pass-throughs enable daisy-chain installation. The smart-sensors also feature network-accessible interfaces for remote configuration and maintenance.

PART NUMBER	DESCRIPTION
M5-100	Camera Sensor, 5th Generation, single camera
M5-200	Camera Sensor, 5th Generation, dual camera



Architecture	
Processor	ARM
Imaging	One or two 4.0 megapixel CMOS cameras
Network	RJ45 PoE Ethernet connection designed for daisy chained installation
Indicator	
Technology	12 RGB LEDs; color mixing for thousands of possible colours
Imaging	
Field of View	105° (3 adjustable aiming positions)
Min Illumination to Operate	25 lux
Interfaces	
Network	TCP/IP
Video	4.0 megapixel
Environment	
Operating Temperature	-30° to 50°C (-22° to 122°F)
Environmental sealing	IP65
Mechanical	
Mounting	Removable "snap-click" brackets
Material	ABS and polycarbonate plastic
Electrical	
Voltage	18-60V DC
Power Draw	6W typical
Product Safety	Conforms to ANSI/UL Std 62368-1, Certified to CSA Std C22.2 NO. 62368-1
Dimensions	
Height	125 mm (4.9")
Width	170 mm (6.7")
Depth	170 mm (6.7")
Weight	1.0 kg (2.2 lbs)

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