



## PCS 3D Camera

SKU#: -



PCS 3D Camera is the second-generation hardware platform with a reduced form factor and on-board micro SD storage. Customer data for up to six areas of interest is collected in real-time and streamed from the device for intra-day reporting and alerting.

Data is packaged in XML messages and delivered to in-store or data center servers over a variety of delivery mechanisms.

Optionally, data can be delivered daily via e-mail. On-board Flash storage ensures that data is protected against network failures for up to 10 days even through power loss.

## Features

- Collects and stores metrics at one minute granularity.
- Simultaneously counts adults, children, and shopping units in separate data streams.
- Filters objects based on height, shape and size i.e. children, shopping carts, and strollers as desired.
- Robust and accurate metrics across a broad set of environments: indoor/outdoor and high traffic.
- Adjusts automatically to environmental changes such as lighting and temperature
- IP addressable, enabling remote management and support, including software upgrades.
- No additional in-store devices required for data collection and delivery.
- Simple, intuitive web interface provides full device configuration and management capabilities.
- Easy, unobtrusive, overhead mounting with support for oblique views.
- Supports scheduled streaming digital video output for remote data validation
- Flash memory stores configuration settings and up to 10 days of data.
- Data packaged in XML packets and delivered over HTTP protocol, FTP, or daily e-mail.
- Real-time data delivery.
- Digital I/O and RS485 support.



## ADVANTAGES

The Skywave PCS 3D Camera platform offers multiple advantages over traditional data collection devices and video analytic platforms. It utilizes advanced stereovision (3-D) and object tracking technology to provide accurate data under a broad set of environmental conditions such as high traffic and dynamic lighting in both indoor and outdoor environments. Based on 3-D information, the system accurately distinguishes between children, adults, and other objects such as shopping carts.

Integrating video analytics and data management at the edge reduces total cost of ownership by eliminating the need for additional computers or data collection devices. An integrated web server enables complete configuration and management via standard web browsers either locally at the store or remotely over a WAN. The system scales by simply adding additional devices to the network. Industry standard 802.3af Power-over-Ethernet is supported to facilitate utilization of existing networking infrastructure and network management tools.

## SPECIFICATIONS

Hardware	Description
Device Dimensions	2.6" x 6.1" x 1.3" 66mm x 155mm x 33mm
Lens options	Ranges from 2.0mm to 6mm supporting heights from 8 feet up to 39 feet (2.4m to 12m).
Enclosure Plastic	White or Black Color
Field Upgradeable	Supports software upgrades over TFTP
Power	Maximum 4.5Watts Power-over-Ethernet or 24 Volts DC external
Weight	0.4 pounds / 0.2 kg
LEDs	3 tri-state (red, amber, green)
Connectors	Terminal block for 1 alarm input, 2 output and RS485

### Networking

Cabling	Category 6
Ethernet	Single channel 10/100Mb Ethernet
Power	IEEE 802.3af Power over Ethernet
Addressing	DHCP or Static IP
Protocols	TCP/IP, DHCP
Time Synchronization	SNTP, Daytime Protocol, Proprietary
Data Delivery	HTTP, SMTP, FTP
Secure Data Delivery	HTTPS, FTPS
Software Upgrade	TFTP