

# UCAM-130 (3D Smart Counting Camera)



## Features

- Intelligent all-in-one device for data capture, analysis and delivery
- Easy installation and configuration via web browser
- High counting accuracy rate up to 98%
- Low requirement on lighting, applicable for use both indoor and outdoor
- Excluding/including children, filtering objects including shopping carts, balloon, shadow, etc
- Local storage data for counting report
- Comprehensive API for data integration

## Introduction

UCAM-130 3D Smart Counting Camera embeds data capturing, stereo vision analytics and deep learning technology into one single device, which represents state-of-the-art technology and next generation video sensor for traffic intelligence purpose. Compared to other 3D sensors, its self-adaptive system empowered by deep learning algorithm makes it superior in accuracy, which means its performance is continuously improving once being put into use. With high data accuracy and low sensitivity to variation in scene illumination, UCAM-130 is ideal for use in both indoor and outdoor environments and any levels of traffic flow. Traffic data from up to 8 zones can be collected in real-time, packaged in XML format and delivered to the cloud or local server for generating business reports that can be customized based on customer needs. With open interface and good compatibility, UCAM-130 enables businesses to integrate people counting system with other systems such as ERP, CRM or Business Intelligence. The device also supports recessed and wall mounting or ceiling mounting for flexible installation while blending in with any interior or exterior.

## ADVANTAGES

### Higher Accuracy

UCAM can capture 15 frames per second and contains bi-directional traffic flow counting technology which enables a better data processing efficiency and reaches counting accuracy up to 98%.

### Simple Install and Scale Up

Recessed mounting design of UCAM can fit with the sophisticated decoration of the retail stores. With power over Ethernet, the UCAM only require installing one cable to enable both network and data transmission which would speed up the install efficiency to large amount implement.

## People Counting Analytic

The device integrates video analytic and data management at the edge, providing a 98% of counting accuracy in large traffic circumstance.



### Comprehensive Data Integration

UCAM collects the counting data and packaged them into a XML format that can be retrieved quickly through RESTful API, thus can be customized and integrated to any solutions.

### Simple Wiring

Only require 1x network port for power supply and data transmission purpose is required in the installation process. The data remains in the device to 80 days even if the network disconnected

## UShop+ Store BI Traffic Report

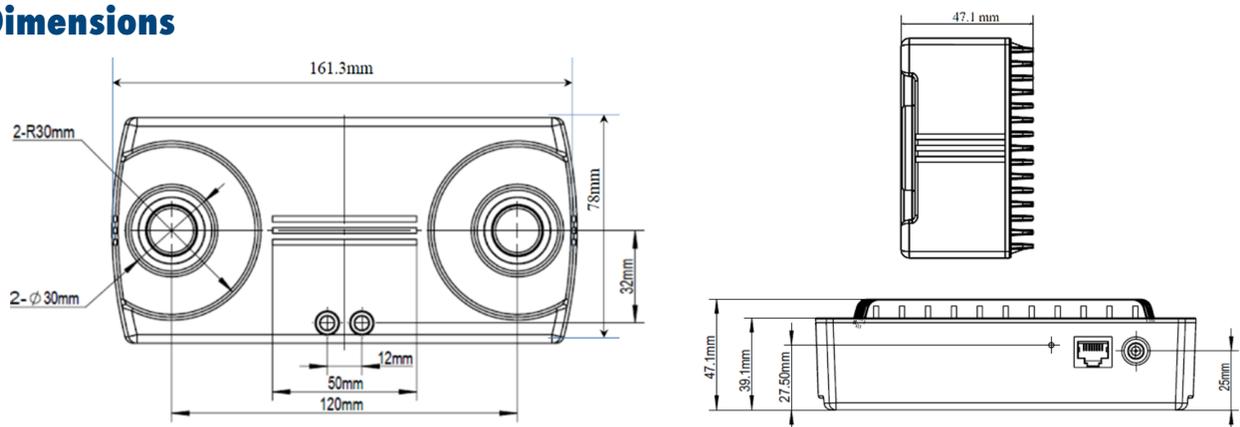
Users can purchase the UCAM 3D Camera with UShop+ Store BI cloud service. With open RESTful API supported, users can integrate the data and optimize the store management through SaaS service in a more efficient way.



## Specifications

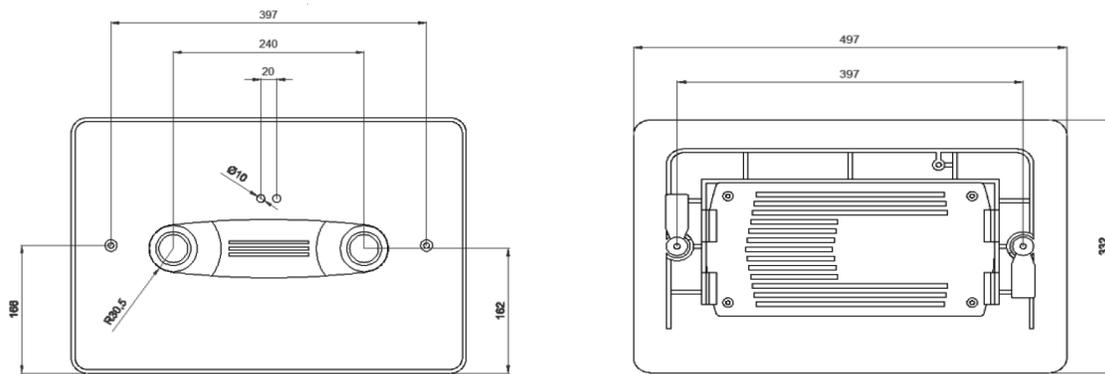
Hardware	Materials	Shell: Flame Retardant Polycarbonate (UL94 V-0 Flame Class Rating or Equivalent)	
	Dimensions	Device: 162 x 78 x 48 mm Package Box: 204 x 107 x 70 mm	
	Weight	350g	
	Power	10W	
	Lens Options	2.2mm wide-angle lens	
	Internal Storage	2GB DD3R	
	Flash	8GB EMMC	
	Network	100M Ethernet	
	RTC working time	Minimum 3 days after a power outage	
	LED	2 tri-state LED	
Work Environment	Power Supply	13.5W POE, IEEE 802.3af PoE Class 3	
	Working Temperature	0°C – 50°C	
Function	Mounting Height	2.5m – 5m	
	Tilt Angle	Up to 45°	
	Maximum Counting Area	8	
	Maximum Tracking Capability	20 - 100 people simultaneously	
	Data Preserve	Maximum 2 months data preserved after network disconnect	
	Accuracy	Traffic flow of 1,000 people per hour:	98%
		Traffic flow of 3,000 people per hour:	95%
Traffic flow of 5,000 people per hour:		90%	

## Dimensions



## Recessed Mount

Unit: mm



## Ordering Information

Part Number	Description
UCAM-130A-U01	3D Smart Counting Camera with recessed mounting kit