

# RV3D-Ultra+ Unit Specifications

DELOPT introduces the latest Ultra Series of people count sensors with advanced Features.

**RV3D-Ultra+** is an intelligent 3D people count sensor that suits wide range of indoor counting applications such as dynamic lighting, sunlit areas, shadows also. In addition the IR feature enables to use it in pitch dark conditions also. The self contained sensor (edge device) processes 3D images within itself asking no separate server.

Key/Additional Features:

1. 3D sensor, Indoor applications.
2. Accuracy of 98% and above.
3. Works in ambient light and darkness also.(Activated Optionally).
4. Counts seamlessly in indoor sunlit scenarios also.
5. Onboard Wi-Fi & BLE. (Can be used for enhanced applications like Wifi tracking or WLAN connectivity and BLE applications).

Dimensions	173mm X 173mm X 72mm
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## Electrical and Mechanical Specifications

Feature	Description
Indoor/Outdoor	Indoor.
Power over Ethernet	Yes, 802.3af compliant.
Auxiliary Power Supply	Optional, 48V, 3A universal DC power supply, Included with the unit upon separate order.
Enclosure	ABS Plastic and Metal.

<b>Mounting</b>	Ceiling Mount.
<b>Operating Temperature</b>	0 degree Celsius to 40 degree Celsius.
<b>Storage Temperature</b>	-10 degree Celsius to 40 degree Celsius.
<b>Serial I/O interfaces</b>	1. Four input and four output pins. 2. RS 485 is available on request.
<b>Status LEDs</b>	LED indications available to display the status of Power, Internet and Sensor.
<b>Unique Unit ID</b>	Available as a serial number located on a sticker on the unit.
<b>Reset button</b>	Restarts the unit upon a press of <5s. Resets the unit's default IP to 192.168.10.101 upon a press of duration longer than 10s.
<b>USB interfaces for wireless 3G data connectivity</b>	For select Wireless Data

## Software Specifications

Feature	Description
<b>Auto configuration mode</b>	"Fix and forget" mode. No configuration is needed by the installer in this mode.
<b>Number of Count Lines per Sensor</b>	Five.
<b>Counting with Multiple Segment Count Lines</b>	Yes.
<b>RGB Video Recording for Accuracy Proof</b>	Yes. User driven.
<b>Dual Line Counting</b>	Yes. Counting line hysteresis.
<b>Adult and Child Counting</b>	Classification into adults and children.
<b>Web based Configuration Interface</b>	HTML5 based UI
<b>Local Network Discovery</b>	UPnP Support.
<b>Remote Management</b>	Yes, through VPN interface.
<b>Exclude Shopping Carts during Counting</b>	Available.
<b>Exclude Floor regions from counting</b>	Yes.
<b>Exclude specified heights from detection and counting</b>	Yes.
<b>Group multiple count lines as a single door</b>	Yes.
<b>Scheduled counting times</b>	Yes.
<b>Metric System Or English units Support</b>	Available.
<b>Floor Exclude regions</b>	Available.
<b>Height Exclude regions</b>	Available.
<b>Accurate Line dancers counts</b>	U-turn enable option
<b>Scheduled Video Recording for Video Proof</b>	3 one hour recordings

Feature	Description
WiFi/BLE	Yes, Onboard BLE for future ready applications
Staff Exclusion	Future Ready

## People Counting Accuracy Specifications

Feature	Description
Counting Accuracy	98%+ accurate.
Minimum Light Requirement	None, counts in total darkness with IR and indoor sunlight with min 30lux
Mounting Height Range	2.4 to 5 meters.

## Remote Data Dispatch Specifications

Feature	Description
Data Dispatch to Cloud server	Complete integration with DELBI software.
Remote Management	Secure VPN access for configuration and management is also integrated with DELBI.
Health Status Management	Health Status Information is available in DELBI.