

Accurance 3D

High accuracy for maximum security



High-risk security situations do not leave any margin for error thus requiring intricate security procedures designed to ensure safety and piece of mind. The 'Accurance 3D' set has been created specifically with this in mind. This system includes a control box "A3001CB" and up to two Time Of Flight Sensors "A3001S". This set combines several security tasks to prevent tailgating and piggy backing and provides secured passage from an open area to a secured area.

Accurance 3D

FUNCTIONS

Accurance 3D:

- Anti tailgating
- Anti piggy back
- Resistant to bright lights (e.g. the sun)
- No dependence on illumination (e.g. 0 lux)
- Connects through inputs and outputs to your existing access system
- Is a standardized set, but its software can be tailored to specific situations*
- Ethernet interface (DHCP server) for settings and adjustments
- Incorporates an SSD drive for event recording

APPLICATIONS

Accurance 3D requires a direct connection with the access control system in order to operate successfully. In a portal or interlock application, this system scans the area between two access doors to identify the number of individuals present. It uses this information and signals the access control device to allow access if only one person is present or disallow access if more than one person is present. If an unsafe condition is detected. (e.g. sensor masking or zero persons present) the Accurance will then signal the access system accordingly.

In general there are two types of systems: two-way and one-way. Two-way systems form the highest level of security, as both directions -in and out- need to be secured. One-way systems are the second highest level of security, as only one direction -in or out- needs to be secured. The preference for either one of the two options depends on the situation at hand. Certainly, with Accurance 3D a broad selection of high-spec. applications, such as data centers, airports, banks, government buildings, 'authorized-only' entrances, stores, and plants(factory) can be secured.

**TAILOR MADE SOFTWARE

Out of the box, the Accurance 3D will suite many of your high-spec security needs. In the event that your application requires further development, Optex R&D can tailor Accurance 3D to meet specific user requirements. The data that Optex can pull from the Time Of Flight sensor is also quite extensive and allows for additional software modifications that allow the sensor to be used in a number of complex security systems. Additional features can include:

- Counting- and thus keep track of the number of people that have entered or have left a secured area
- Recognizing, assessing and determining whether the approaching three-dimensional object poses a threat
- Sensing in which direction the person/object is headed
- Detecting the presence or absence of a secured object as well as the dimensions of a target

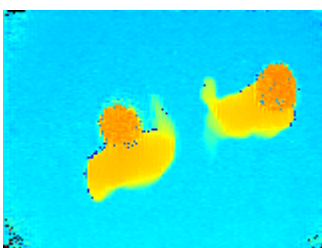
SPECIFICATIONS

Model	A3001CB (Control box/CB)
Sensor type	CPU and Interface
Dimention	250(W)×210(H)×91(D) (mm)
Mounting height	Recommend to install it in a secured place
Detection area	1.5m x 1.5m (depends on mounting height)
Usage illuminance	0 - 100,000Lux
Power supply	DC 24V 4A (Power Supply included)
Power consumption	MAX 20W
Operation temprature	-10 - +50°C
Operation humidity	0 - 80% without condensation
Target object height	Human 800mm~2050mm tall
Applied door type	Interlock
Setting tool	Remote Desktop
Standards	CE EMC Class B / FCC part 15 Class B

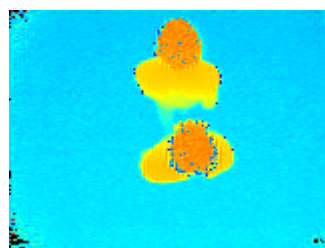
Model	A3001S (TOF 3D Range Image Camera)
Sensor type	TOF (Time of flight)
Dimention	160(W)×72(H)×50(D) (mm)
Mounting height	2.3m - 2.6m, Higher mount model 2.6-2.9m
Detection area	1.5m x 1.5m (depends on mounting height)
Usage illuminance	0 - 100,000Lux
Power supply	Supplied by control box
Power consumption	MAX 30W
Operation temprature	-10 - +50°C
Operation humidity	0 - 80% without condensation
Target object height	Human 800mm~2050mm tall
Applied door type	Interlock
Setting tool	A3001CB (or PC)
Standards	CE EMC Class B / FCC part 15 Class B

*** An additional fee is charged for all specially tailored software changes.

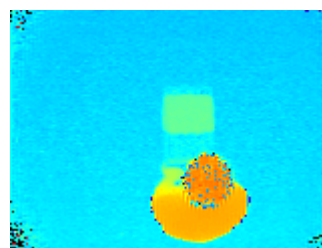
POTENTIAL HAZARDOUS SITUATIONS THAT ACCURANCE IDENTIFIES:



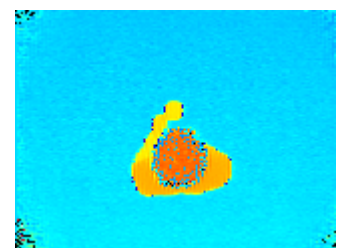
Two persons; side by side



Two persons; piggyback



Trolley



Holding a coffee