

Time-of-Flight People Tracking Camera

The VISIX™ Time of Flight (ToF) camera is a special purpose, low-cost smart people tracker for queue management and people counting, combining state-of-the art 3D imaging technology with intelligent video analytics. The ToF camera includes high-performance advanced analytics as a standard feature, improving measurement accuracy when compared to the current generation of thermal and stereoscopic cameras. This device has a high-quality video analytic tracking system and has excellent performance even in the most challenging lighting conditions or when one object is partially obscured by another. This camera also supports Stationary Queue Measurement and no object movement is necessary for maintaining tracking.

The ToF camera’s automatic calibration foregoes the often complex and difficult calibration process required in order for the analytics engine to classify objects into different object classes. Integrating 3xLOGIC’s advanced tracking engine into ToF contributes to improving the video analytics performance. Using a state-of-the art infrared sensor and specially designed lenses, the ToF is one of the most advanced systems available in the marketplace today.



Key Features and Benefits	
Ideal for retail, banking, entertainment and transportation applications	✓
Measure Customer Times	✓
Intelligent People Tracker	✓
3D Imaging Technology	✓
Advanced Embedded Intelligent Video Analytics	✓
Automatic Calibration	✓
Overhead-View or Side-View Deployment	✓
Effective Pixels	320 x 240
Warranty	3-Year

CAMERA

Image Sensor:	Laser Diode - Class 1 Certificate (Eye safe with no special precautions needed)
Image Type:	Monochrome (Infrared)
Effective Pixels:	320 x 240
Lens:	Field of View: (H) 60° (V) 45° Iris: Fixed

3D-FUNCTION

Operating Range:	2m to 8m (15FPS)
Coverage Area:	Top View - TBD Side View - Typical Floor Coverage (6m-4m)
Mounting Height:	2m Ceiling - Good Performance 3m-4m - Optimum Performance
Suitable Locations:	Indoors with artificial lighting (Avoid Direct Sunlight)

INTERFACE

Communication:	1 RJ45 10M/100M Ethernet port Wi-Fi (802.11n) Bluetooth (4.0)
-----------------------	---

FUNCTIONS

Local Storage:	Built-in Micro SD (SD/SDHC/SDXC) up to 64GB
Automatic Tilt Angle Detection:	Supported
Security:	Multi level access with password protection
Protocols:	TCP/IP, HTTP, HTTPS, FTP, UDP/IP, RTSP, RTCP, RTP, UDP, RTP/TCP, mDNS, UPnP, SMTP, DHCP, DNS, NTP, IPv4, SNMPv1/v2c/v3(MIB-II), IGMP, ICMP
System Compatibility:	ONVIF

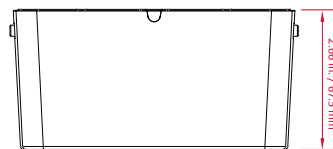
ELECTRICAL

Power Supply:	12 V DC ± 10%; PoE 802.3af
Power Consumption:	Max 9.6W

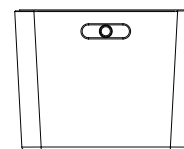
PHYSICAL

Working Temperature:	0°C ~ 50°C (32°F ~ 122°F) Humidity 85% max - non condensing
Dimensions (inches):	5.35 in (L) x 3.46 (H) in, Dome 2.66 in (H)
Dimensions (mm):	135.8 mm (L) x 87.8 mm (W) x 67.5 mm (H)
Weight:	2.1 lb / 970 g

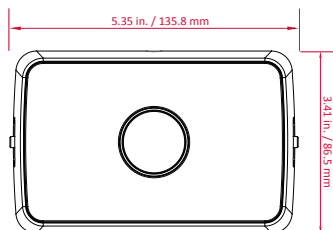
TOP



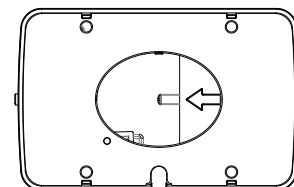
SIDE



FRONT



BACK



ADVANCED ANALYTICS (INCLUDED)

- Size-based Object Classification
- Detection Behavior; Direction, Stopping, Loitering
- Entering, Exiting, Appear, and Disappear Filters
- Speed Filters

WARRANTY

Three (3) Year Parts and In-house Labor Warranty

PART NUMBERS

VX-VTOF-01	Interior Time-of-Flight Camera with Advanced Analytics
-S	VIGIL Server Stand-Alone Software License with 64GB SD Storage, Includes Basic Relay Server Service
-RU	Relay Server License – Unlimited

RECOMMENDED MOUNTS

VX-VTOF-BTP	Pan / Tilt bracket
VX-VTOF-BPM	Pendant Mount Bracket

The Stand-Alone Server and Unlimited Relay Server features can easily be added to the camera after installation. Contact your 3xLOGIC Representative for details.