

# HTC16

DATASHEET



# HTC16

## HIGH THROUGHPUT PASSIVE PEOPLE-SCREENING CAMERA

Thruvision HTC16 is a very high-performance camera to provide safe distance, walk-through entrance security screening for free-flow and multiple lanes of walking people

## BENEFITS

### HIGH-FOOTFALL SCREENING

Screens up to 4,500 walking people per hour at up to 7 m (23 ft) distance.

### COMPREHENSIVE SECURITY

Detects all types of metallic and non-metallic mass casualty threats, including firearms, explosives, large bladed weapons, and liquids.

Shows concealment size, shape and location, in real-time to allow rapid decision making without the need for physical pat-down.

### RESPECTFUL

Cannot distinguish age, ethnicity or gender, and is compatible with GDPR.

### SAFE

Safe for everyone, including pregnant women, children and people with implanted medical devices.

### RELIABLE

Built-in redundancy and resilience supports mission critical operations.

## FEATURES

### PATENTED SENSOR TECHNOLOGY

Features Thruvision's patented sensor technology, optimised to detect large mass casualty items on moving people.

### FREE-FLOW AND MULTI-LANE SCREENING

Designed for multi-lane and free-flow screening in public spaces such as mass transit hubs and concourses.

## DESIGN

### COMPACT FORM FACTOR

Can be mounted overhead to avoid intrusion into people flow.

### COVERT CAPABLE

Can be hidden or disguised behind advertising or signage for truly covert surveillance.

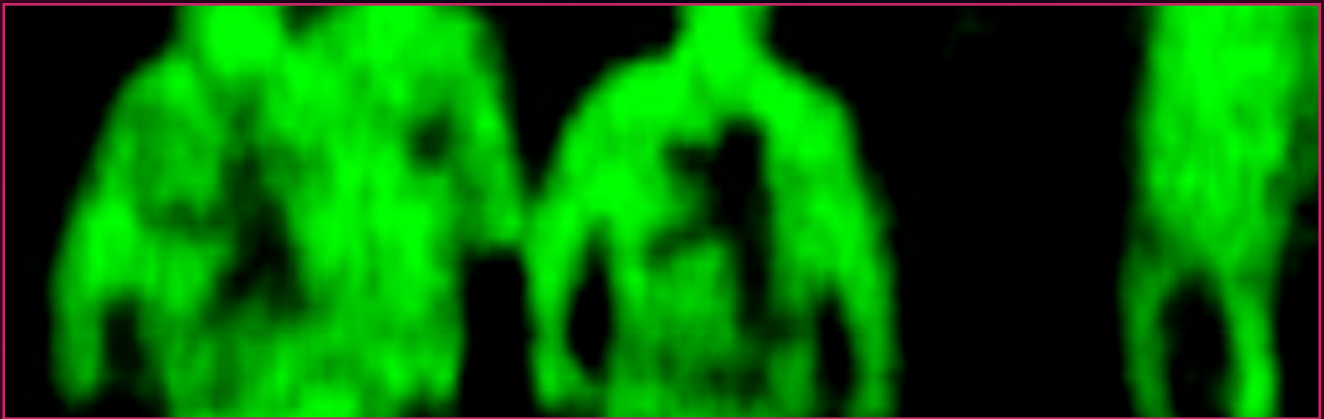
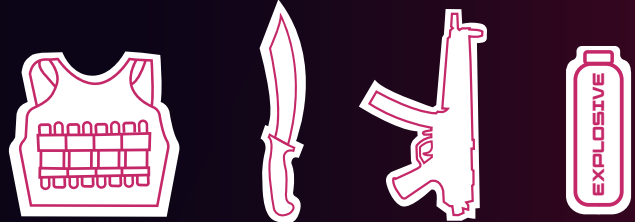
# HTC16

## DETECTION CAPABILITY

### DETECTS MASS CASUALTY THREATS

Up to 7 m (23 ft) distance, including

- Bomb vests (IEDs)
- Semi-automatic weapons
- Large bladed weapons (machetes, knives)
- Liquids

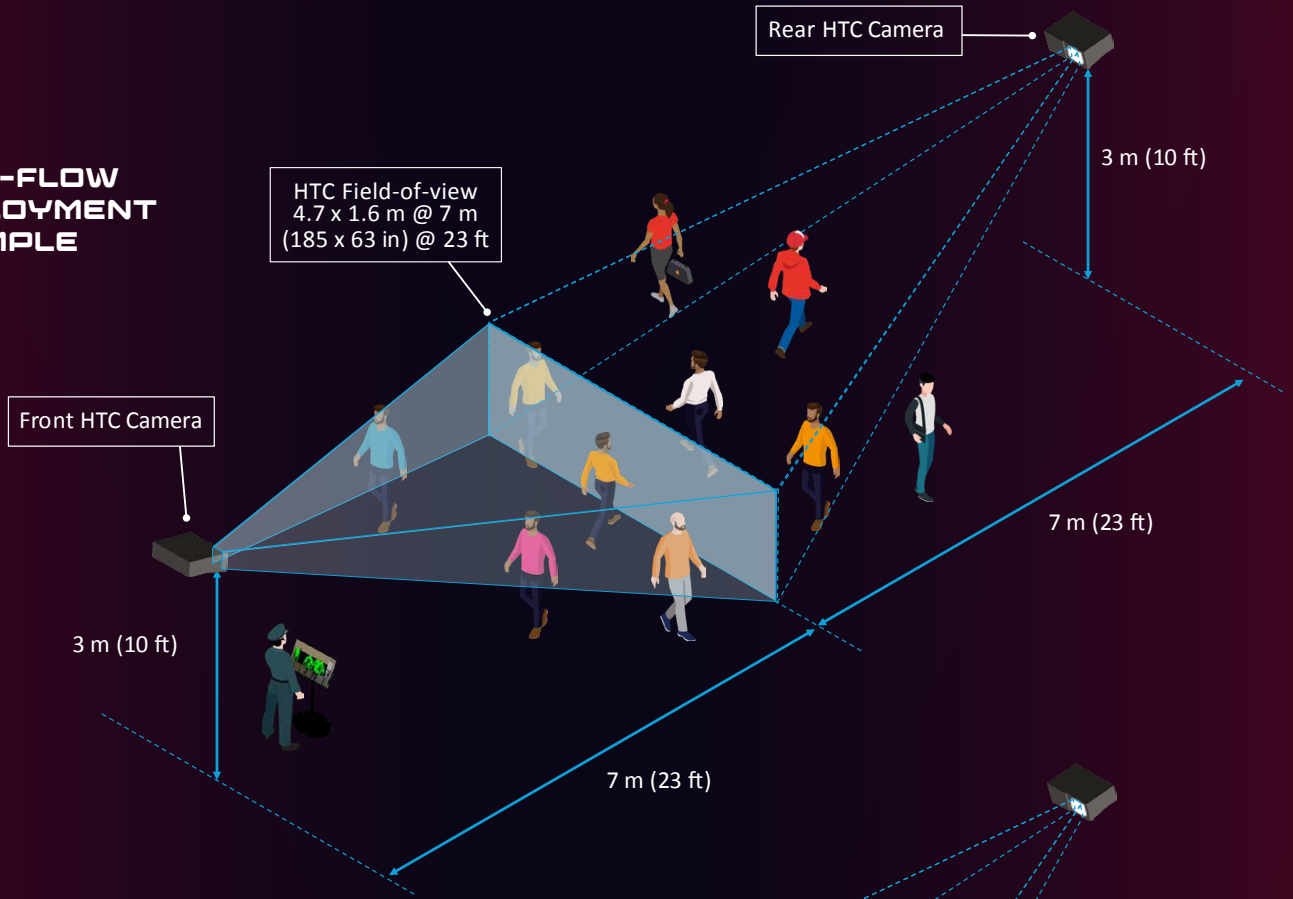


# HTC16

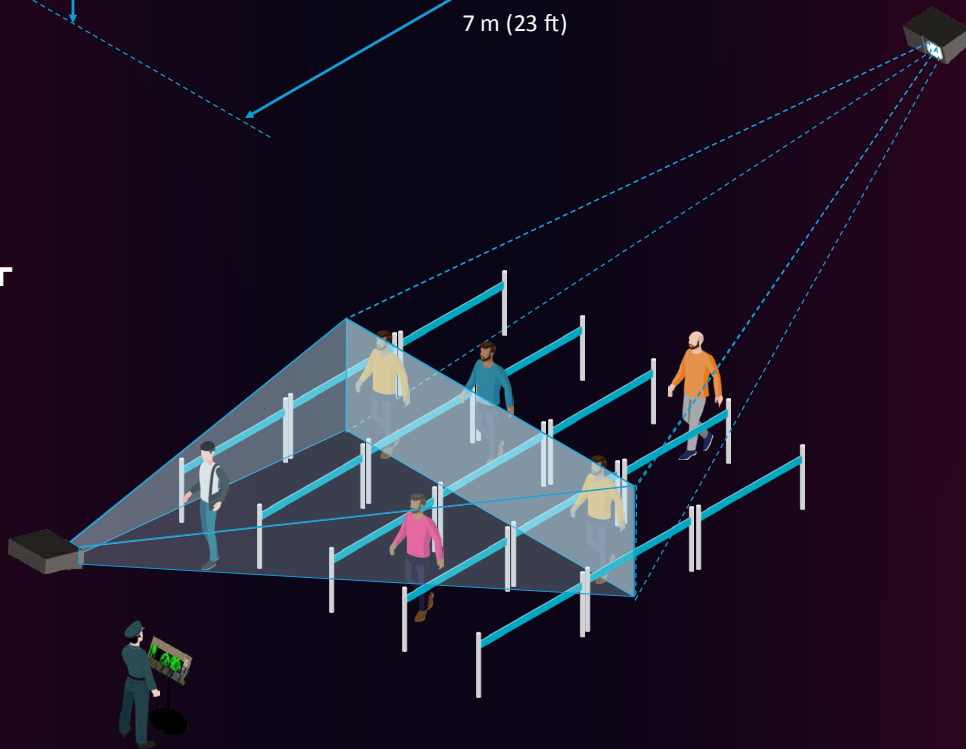
## DEPLOYMENT OPTIONS

Designed to be deployed in pairs to provide front and rear coverage of walking people.

### FREE-FLOW DEPLOYMENT EXAMPLE



### MULTI-LANE DEPLOYMENT EXAMPLE



# HTC16

## CAMERA SPECIFICATIONS

### MODEL NUMBER TV-CAM-HTC16

#### CAMERA

HTC16 THz Camera	Passive, very high-performance 16-channel sensor, operating at 250 GHz frequency (1.2mm wavelength)
Maximum Screening Field of View	<b>H 0.9 m</b> (35.4 in) <b>W 2.7 m</b> (106.3 in) at <b>4 m</b> (13 ft) Distance <b>H 1.6 m</b> (63.0 in) <b>W 4.7 m</b> (185.0 in) at <b>7 m</b> (23 ft) Distance
Terahertz Image Refresh Rate	42 lines per second
Video Camera	Colour HD IP camera
Screening Distance	<b>4 to 7 m</b> (13 to 23 ft)
Detection Performance	PBIED vest, semi-automatic weapon (e.g. Uzi 9 mm), large machete (30 cm blade), at 7 m (23 ft) distance

#### ELECTRICAL

Operating Voltage	Rated range 100 to 240 V a.c., 50 to 60 Hz
Power Consumption	140 W
External Connectivity	Mains a.c. (power), Ethernet (data)

#### PHYSICAL

Dimensions	<b>H 253 mm</b> (9.9 in) <b>L 620 mm</b> (24.4 in) <b>W 620 mm</b> (24.4 in)
Weight	<b>26 kg</b> (57 lb)
Mounting Options	Ceiling or lightweight gantry mount recommended Floor mounting using tripod is also possible

#### ENVIRONMENTAL

Ambient Air Operating Temperature	<b>5 - 28 °C</b> (41 - 82 °F)
Optimum Ambient Air Operating Temperature	<b>18 - 22 °C</b> (64 - 72 °F)
Storage Temperature	<b>5 - 28 °C</b> (41 to 82 °F)
Ambient Environment	Indoors, dry and preferably air-conditioned location
Operating & Storage Humidity	Max 95 % RH, non-condensing

#### APPROVALS & PATENTS

Conformity	CE, UKCA
EMC	EN 55032:2015 + A11:2020, 47 CFR Part 15B (FCC) (immunity), EN 55035:2017 + A11:2020
Safety	EN IEC 62368-1:2020 + A11:2020, IEC 62368-1:2018, UL/CSA 62368-1:2019
Vibration	ETSI EN 300-019-2-2 (T2.2 vibration) when transported in original Thruvision packaging
Patents	See <a href="http://www.thruvision.com/patents">www.thruvision.com/patents</a> for details