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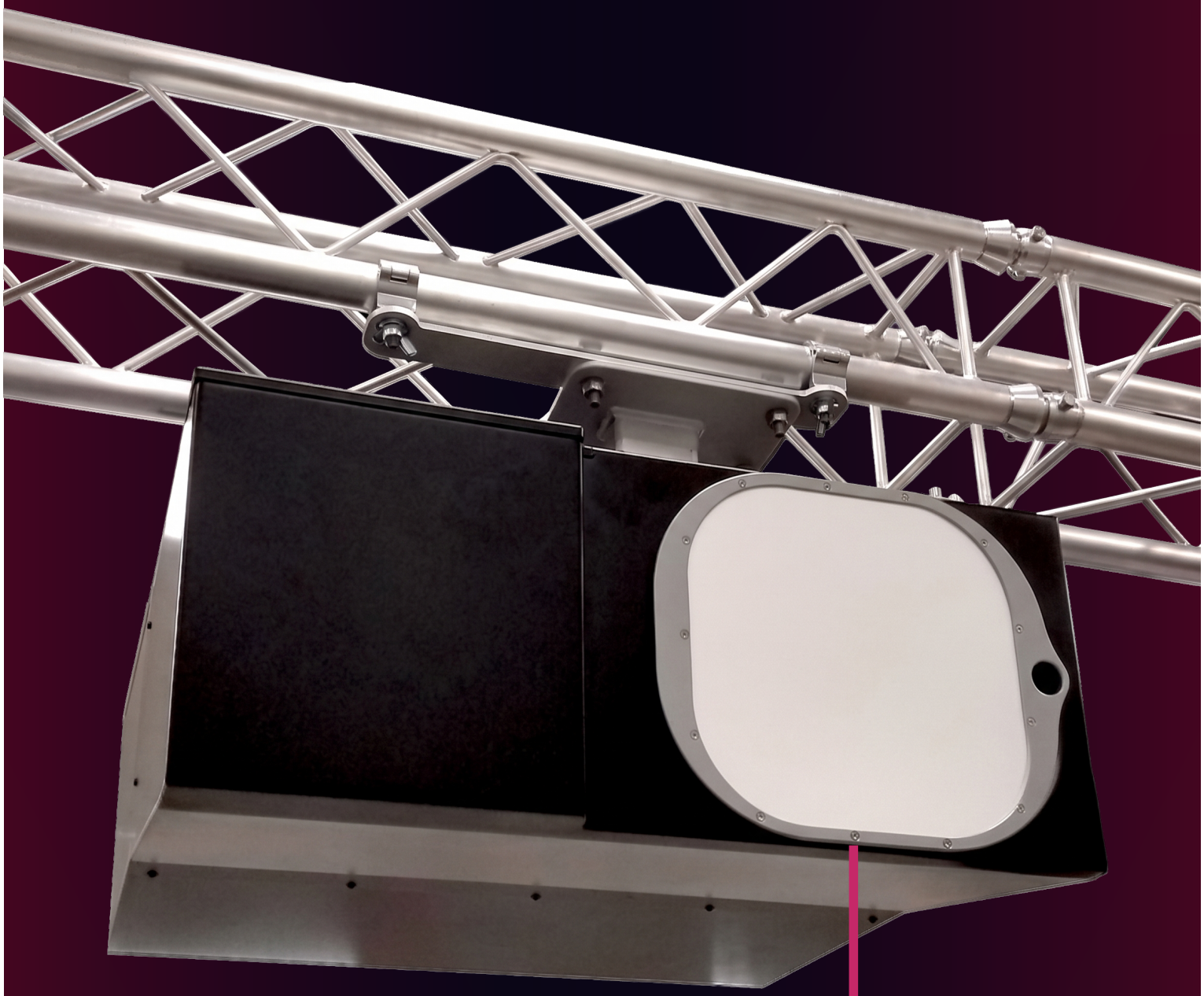
DATASHEET



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HIGH THROUGHPUT PASSIVE PEOPLE-SCREENING CAMERA

Thruvision HTC 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 free-flow and multi-lane 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.

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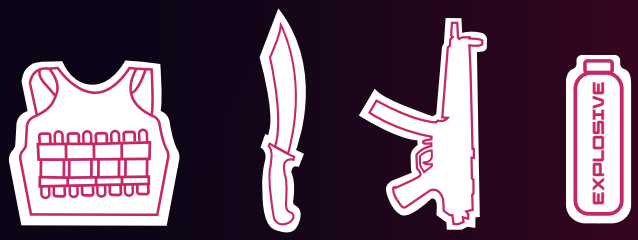
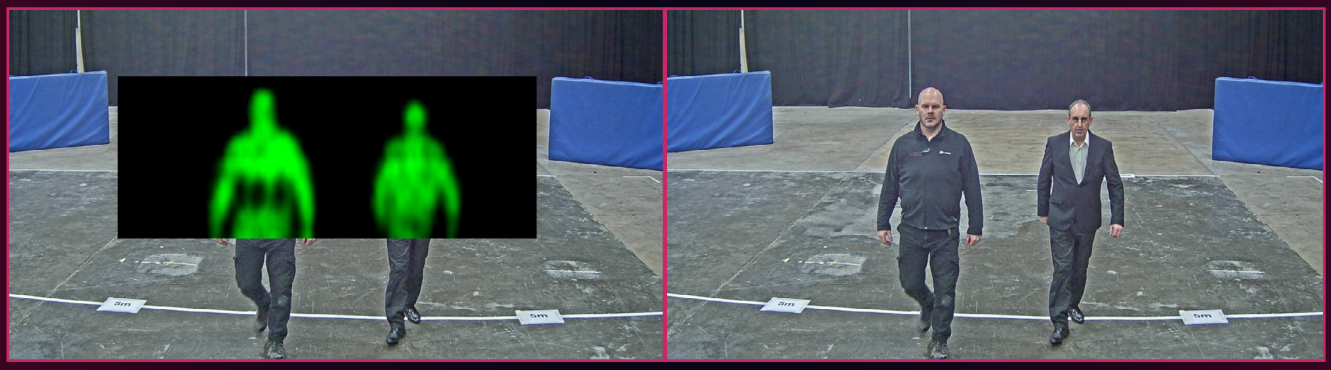
DETECTION CAPABILITY

DETECTS MASS CASUALTY THREATS

Up to 7 m (23 ft) distance, including

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





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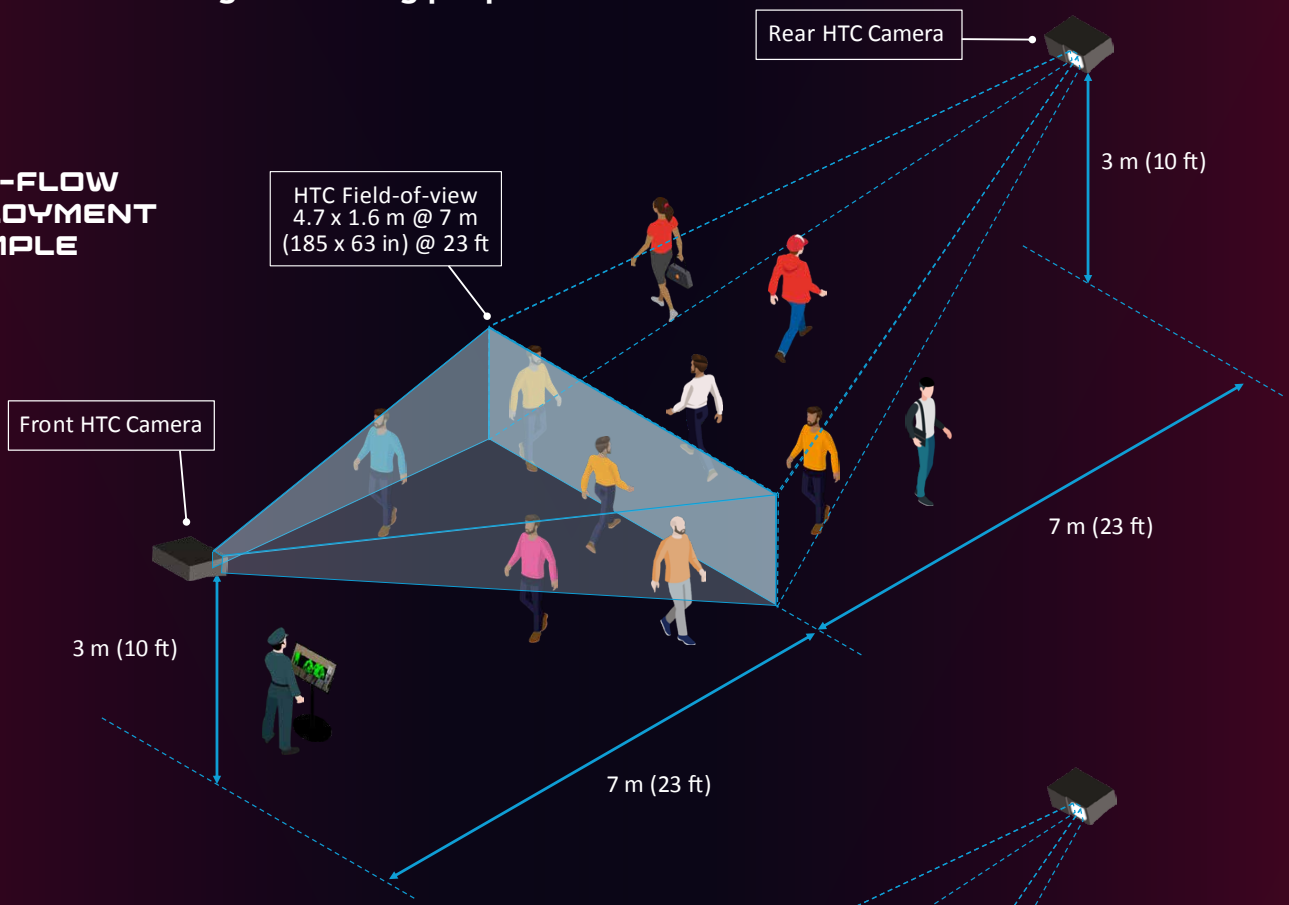
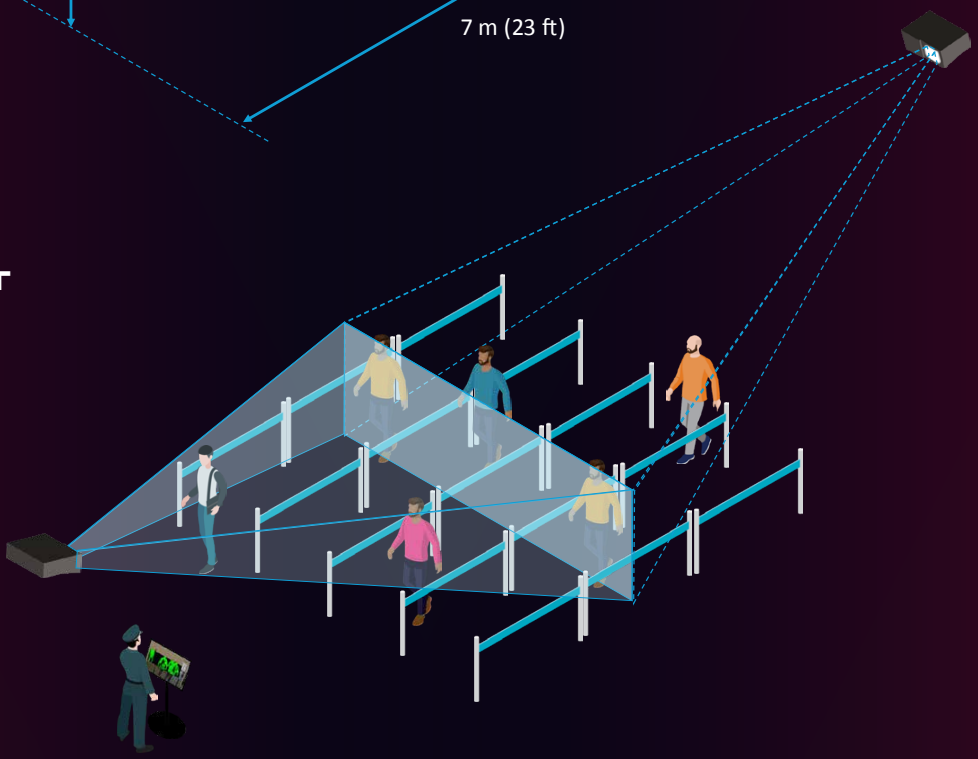
DEPLOYMENT OPTIONS

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

FREE-FLOW DEPLOYMENT EXAMPLE



MULTI-LANE DEPLOYMENT EXAMPLE



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CAMERA SPECIFICATIONS

MODEL NUMBER	TV-CAM-HTC
CAMERA	
HTC THz Camera	Passive, very high-performance sensor, operating at 250 GHz frequency (1.2mm wavelength)
Maximum Screening Field of View	**H 0.9 m** (35.4 in) **W 2.7 m** (106.3 in) at **4 m** (13 ft) Distance **H 1.6 m** (63.0 in) **W 4.7 m** (185.0 in) at **7 m** (23 ft) Distance
Terahertz Image Refresh Rate	42 lines per second
Video Camera	Colour HD IP camera
Screening Distance	**4 to 7 m** (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	**H 253 mm** (9.9 in) **L 620 mm** (24.4 in) **W 620 mm** (24.4 in)
Weight	**26 kg** (57 lb)
Mounting Options	Ceiling or lightweight gantry mount recommended Floor mounting using tripod is also possible
ENVIRONMENTAL	
Ambient Air Operating Temperature	**5 - 28 °C** (41 - 82 °F)
Optimum Ambient Air Operating Temperature	**18 - 22 °C** (64 - 72 °F)
Storage Temperature	**5 - 28 °C** (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 www.thruvision.com/patents for details