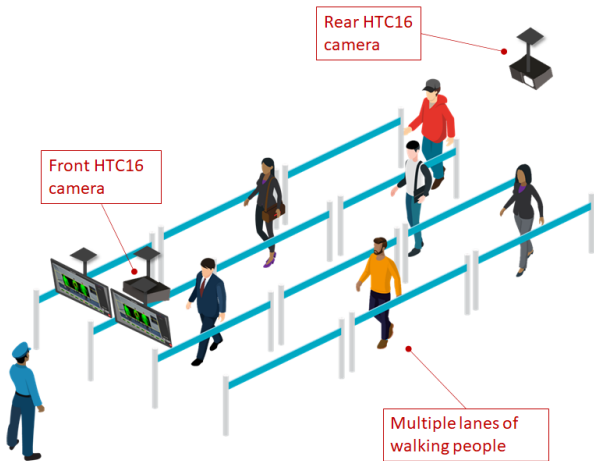


HTC16 High Throughput Camera



Very high performance camera to provide safe distance, walk-through entrance security screening for multiple lanes of visitors



Detects mass casualty threats, such as bomb vests and automatic weapons on multiple people

MultiLane

▼ User selectable field-of-view for screening up to four lanes simultaneously



Detect large threat items on up to four lanes of walking visitors at 6 m

Safely detect large mass casualty threat items on up to four lanes of walking visitors at up to 6 metres distance

Technical Specification



| Cameras | |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HTC16 THz camera: | Passive, very high performance 16-channel sensor operating at 250 GHz frequency (1.2 mm wavelength) |
| Maximum screening field of view (h x w): | 0.9 x 2.7 m (35.4 x 106.3 in) at 4 m (13 ft) distance 1.4 x 4.0 m (55.1 x 157.5 in) at 6 m (20 ft) distance |
| THz image refresh rate: | 42 lines per second |
| Video camera: | Colour HD IP camera |
| Screening distance: | 4 to 6 m (13.1 to 19.7 ft) |
| Detection performance: | Objects no smaller than 25 x 20 cm (9.8 x 7.9 in) at 6 m (20 ft) distance |
| Electrical | |
| Operating voltage: | Rated range 100 to 240 V a.c., 50 to 60 Hz |
| Power consumption: | 140 W |
| External connections: | Mains a.c. (power), Ethernet (data) |
| Physical | |
| Dimensions (h x l x w): | 253 x 620 x 620 mm (9.9 x 24.4 x 24.4 in) |
| Weight: | 26 kg (57 lb) |
| Mounting options: | Ceiling or lightweight gantry mount recommended Floor mounting using tripod is also possible |
| Environmentals | |
| Ambient air operating temperature: | 5 to 28 °C (41 to 82 °F) |
| Optimal ambient air operating temperature: | 18 to 22 °C (64 to 72 °F) |
| Ambient environment: | Indoors, dry and preferably air-conditioned location |
| Relative humidity: | Max 95% RH, non-condensing |
| Storage temperature: | 0 to 55 °C (32 to 131°F) |
| Approvals and Patents | |
| Approvals: | CE, UKCA, 47 CFR Part 15B (FCC), EN 55032 (EMC emissions), EN 55035 (EMC immunity), EN 62368-1:2014 (safety), UL/CSA 62368-1:2019, ETSI EN 300-019-2-2 (T2.2 vibration) when transported in original Thruvision packaging |
| Patents: | See https://www.thruvision.com/patents |

Thruvision benefits

Visualize the threat

Allows operator to see live real-time imaging of concealed mass casualty threats, such as automatic weapons and concealed improvised explosive devices on multiple walking people, at up to 6 m distance

Safe for everyone

Passive screening technology, safe for everyone including pregnant women and those with medical implants

Respectful of privacy

Cannot distinguish age, ethnicity or gender, and complies with GDPR

Comprehensive security

Detects all types of metallic and non-metallic material



HTC16 on lightweight aluminium gantry

PART NUMBER: TV-HTC16



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