DATA SHEET

THRUVISION
PEOPLE-SCREENING

CPC16 Check Point Camera

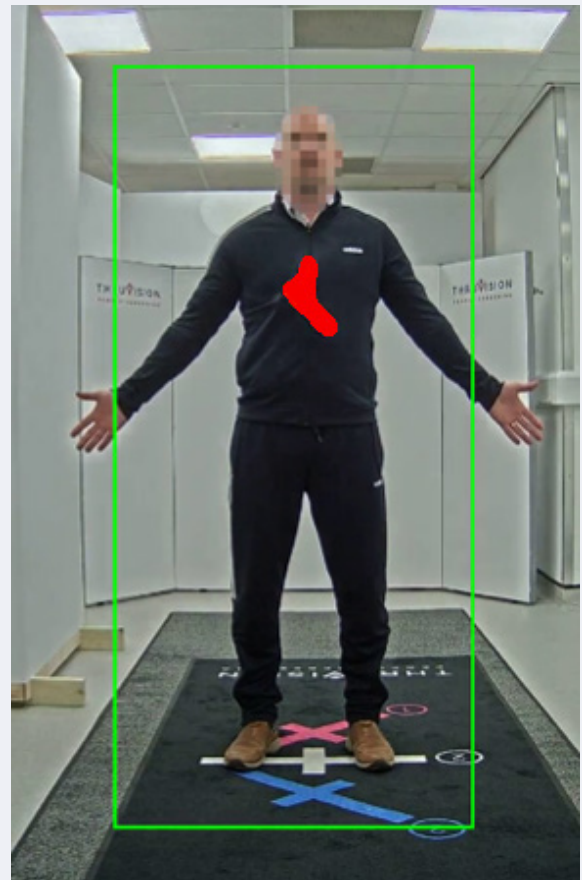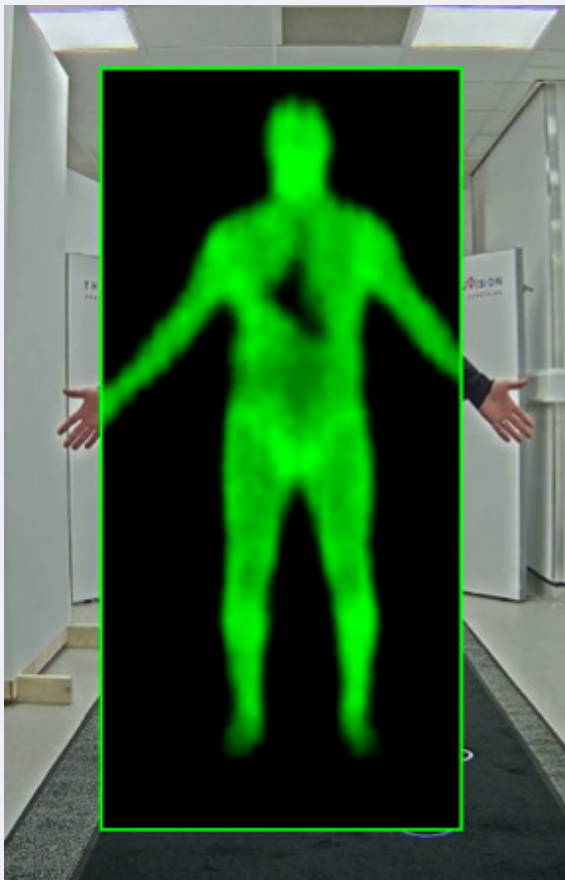**A completely new approach to the security checkpoint in airports**

▼ Quick and convenient

▼ Contactless with no "pat-downs"

▼ Completely respectful of privacy

▼ Highly effective detection performance

Very high performance camera, designed to meet international aviation security standards

DynamicDetection

Advanced, AI-based concealed item detection designed to meet international aviation security accreditation standards

Easy to understand red overlays show the shape, size and location of concealed items

SAFE ▼ FAST ▼ PROVEN

Visualizing the threat

Technical Specification

V CPC16

Cameras

CPC16 THz camera:	Passive, very high performance 16-channel sensor, operating at 250 GHz frequency (1.2 mm wavelength)
Screening field of view (h x w), at 3.5 m (11.5 ft)	Fixed 2.1 x 1.2 m (82.7 x 47.2 in)
THz image refresh rate:	24 lines per second
Video camera:	Colour HD IP camera
Optimum screening distance:	3.5 m (11.5 ft) for Primary Screening Lane
Detection performance:	Designed to meet global aviation accreditation standards

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):	620 x 620 x 253 mm (24.4 x 24.4 x 9.9 in)
Weight:	26 kg (57 lb)
Colour:	Black

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)

Compute

External compute platform hardware:	Minimum Intel i7-8700 CPU, NVIDIA RTX 2080 Super GPU, 16 GB dual-channel RAM
External compute platform software:	Microsoft Windows 10 Professional

Approvals and Patents

Approvals:	**CE, UKCA, 47 CFR Part 15B (FCC)**, EN55032:2015 + A11:2020 (EMC emissions), EN55035:2017 + A11:2020 (EMC immunity), EN IEC 62368-1:2020 + A11:2020 (safety), IEC 62368-1:2018 (safety), UL/CSA 62368-1:2019 (safety), ETSI EN 300 019-2-2 (T2.2 vibration) when transported in original Thruvision packaging
Patents:	See https://www.thruvision.com/patents

PART NUMBER: TV-CPC16

Thruvision benefits

▼ **Visualize the threat**

Unique Detection-at-Range capabilities, with "DynamicDetection" algorithm, shows concealment size, shape and location to allow rapid decision making without the need for physical pat-down

▼ **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

CPC16 on mobile stand

FC   CE   UK CA

THRUVISION

DS-CPC16-2210-2.0