

TAC16 Tactical Awareness Camera



VariView

Variable, user-selectable field-of-view for increased operational flexibility and detection performance



Use large field-of-view for situational awareness



Zoom in to get higher frame-rate and clearer detection of suspicious looking concealed items

Very high-performance people-screening camera, with greater detection sensitivity allowing use with moving people



TAC16 on Mobile Operator Station

Safely detect handguns on moving people at up to 6 metres

Technical Specification



Cameras	
TAC16 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 4.0 m (13.2 ft) screening distance:	Variable from: 1.0 x 0.5 m (39.4 x 19.7 in), to 2.4 x 2.1 m (94.5 x 82.7 in)
THz image refresh rate:	16 to 56 lines/second depending on field of view
Video camera:	Colour HD IP camera
Screening distance:	3 to 6 m (10 to 20 ft)
Detection performance:	Objects no smaller than: 5 x 5 cm (2,0 x 2,0 in) at 4 m (13 ft) 25 x 20 cm (9.8 x 7.9 in) at 6 m (20 ft)
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)
Approvals and Patents	
Approvals:	CE, UKCA, 47 CFR Part 15B (FCC) EMC emissions: EN 55032:2015 + A11:2020 EMC 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 https://www.thruvision.com/patents

Thruvision benefits

▼ Visualize the threat

Allows operator to see guns and other threat items at a distance of up to 6 metres on walking people

▼ 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

Recommended accessories

Mobile Operator Station

TV-MNT-MOS-XXC-PCS
(see picture on front page)

Tactical Deployment System

TV-MNT-TDS-XXC



TAC16 in Tactical Deployment System (TDS)

PART NUMBER: TV-TAC16



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