# THRU**V**ISION
## PEOPLE-SCREENING

# LPCDD
## with Dynamic Detection
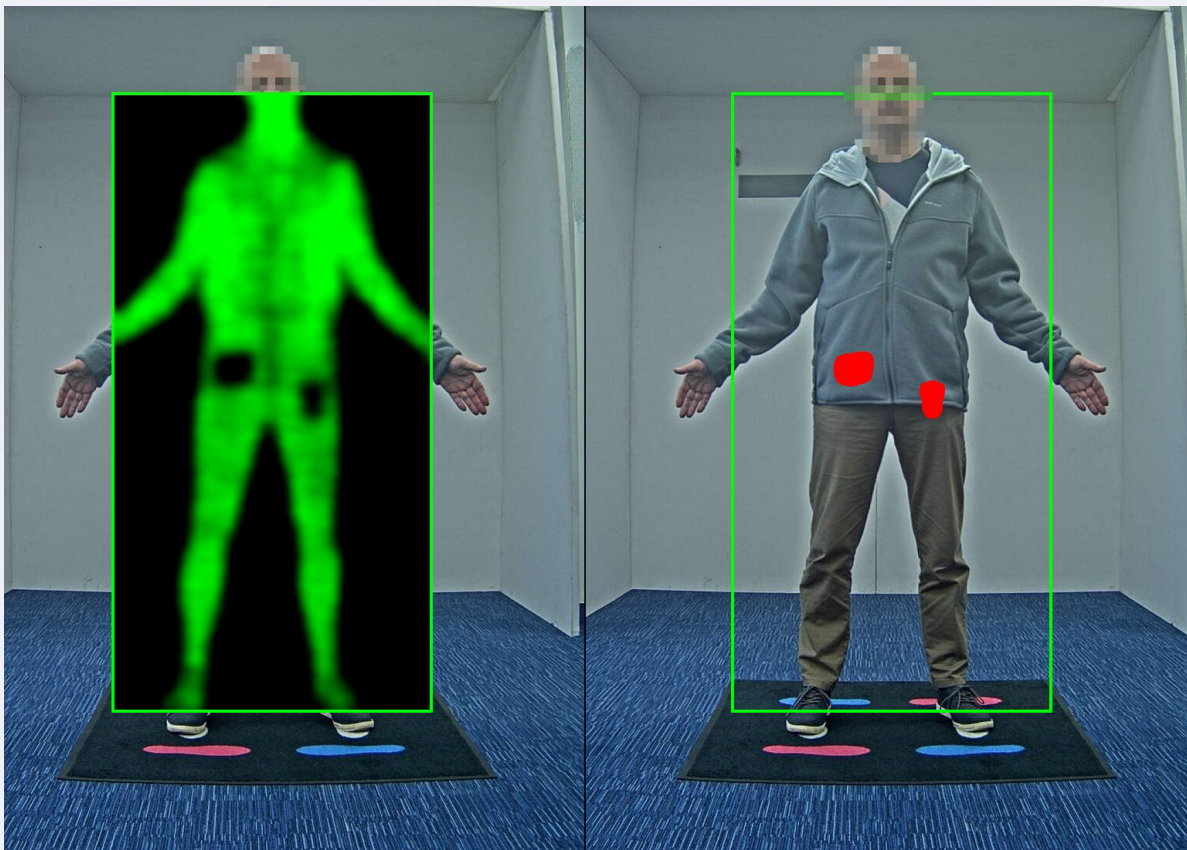
**A completely new approach to profit protection**

▼ Contactless with no "pat-downs"

▼ Completely respectful of privacy

▼ Highly effective detection performance

▼ **WalkTHRU** option can screen 100% of employees, at over 1,200 people/hour

▼ Empower guards and create consistency

**Featuring advanced AI-based concealed item detection algorithm technology**

## DynamicDetection

Advanced, AI-based concealed item detection designed to quickly and effectively identify the shape, size and location of concealed items on walking or semi-stationary people
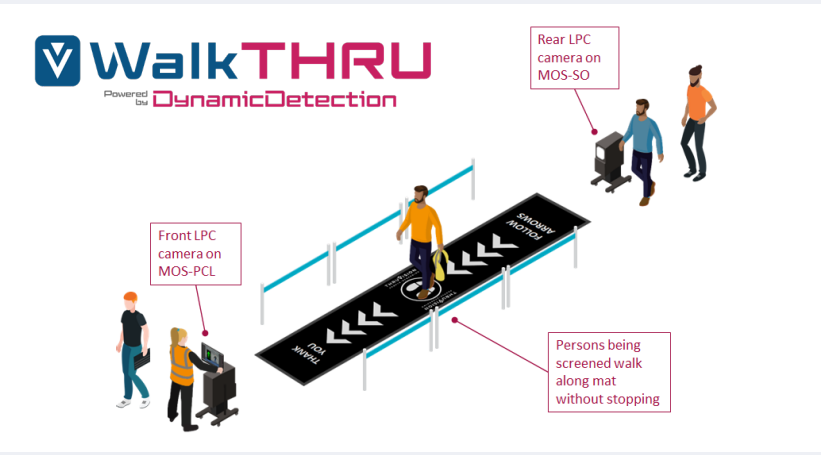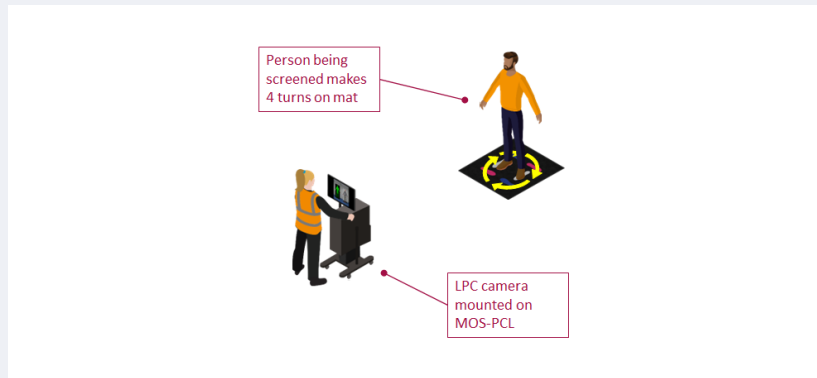


Easy to understand red overlays show the shape, size and location of concealed items

## Visualise theft ▼ Protect employees ▼ Change culture

## Deployment Options



### Single camera screening lane

A single Thruvision LPC camera with **Dynamic Detection** to give a solution capable of screening **up to 240 people per hour**

*Space required approx 5 x 2 m (16 x 6.5 ft)*

Person being screened makes 4 turns on mat

LPC camera mounted on MOS-PCL



Rear LPC camera on MOS-SO

Front LPC camera on MOS-PCL

Persons being screened walk along mat without stopping

### Dual camera WalkTHRU screening lane

Two Thruvision LPC cameras with **Dynamic Detection** to give a powerful solution, capable of screening **over 1,200 people per hour**

*Space required approx 8 x 2 m (26 x 6.5 ft)*

## Technical Specification

As per Thruvision LPC camera specifications, plus:

| Cameras | |
|---|---|
| Thruvision camera compatibility: | LPC8, LPC16 |
| Screening field of view (h x w), at 3.0 m (9.8 ft) | **LPCDD8 (Static):** 1.8 x 0.8 m (70.9 x 31.5 in)<br>**LPCDD8 (WalkTHRU):** 1.8 x 0.7 m (70.9 x 27.6 in)<br>**LPCDD16 (Both):** 1.8 x 1.1 m (70.9 x 43.3 in) |
| **Detection Performance** *(minimum detectable object cross-sectional area)* | |
| Static (2-3 sec pause): | **LPC8:** 10 x 6 cm (4 x 2.5 in)<br>**LPC16:** 5 x 5 cm (2 x 2 in) |
| Walkthrough: | **LPC8:** 15 x 10 cm (6 x 4 in)<br>**LPC16:** 10 x 6 cm (4 x 2.5 in) |
| **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 64-bit |

## LPCDD Benefits

▼ **Screen 100% of employees**

**WalkTHRU** capability avoids accusations of profiling, bias or corruption by screening **all** employees as they enter or leave your facility, without affecting exit time

▼ **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