

## INTELLIGENT WALK-THROUGH CELL PHONE DETECTION SYSTEM WMD300



### Overview

Intelligent Walk-through Cell Phone Detection System/IPDS created by Polimek is a Groundbreaking Cell Phone Detection System, designed for faster screening of passing people, even with their backpacks, purses and bags, etc. for the detection of Cell Phone and electric watch and other prohibited electric products.

“INTELLIGENT” , is the typical characteristic relative to legacy walk through metal detectors. INTELLIGENT is powered by Patented “Metal Classification Detection” technology. It can intelligently identify, classify, and not alert for common personal metal items instead of filtering small metals by reducing the sensitivity, thus distinguishing the metal contraband from the daily necessities, and only alarming the metal contrabands.

### Key Features

- Intelligent Metal-classified detection and daily necessities filtering the everyday carry items such as cigarettes, lighters, keys, coins, belt buckles and others illustrated as below, will be detected and distinguished. Alarm for these items will be filtered, or set for “WARNING” .



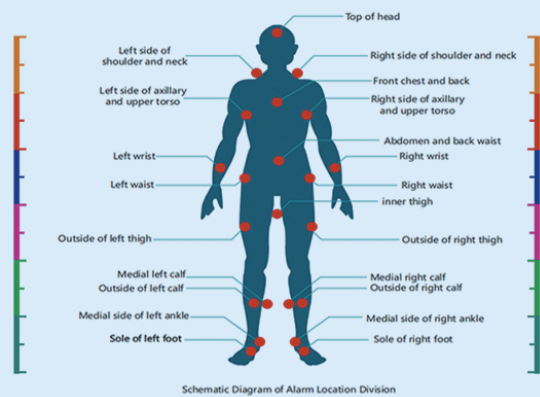
- Cell Phone Contraband alarm based on metal classification detection and identification.

The detected contraband items will be identified and classified as all kinds of cell phone, electric watch and “other contraband” .

The contraband alarm information will contain the metal material and shape, it will be displayed on the interface of monitor tablet and sent to the control cloud platform.



- Support quick setting and parameter adjust via the “SET” LCD with touch panel.
- High-accuracy cell phone detection performance and low false alarms
- Configured with more than 25 detection and alarm zones, it can detect concealed cell phone on any part of the body, especially the easy-to-miss zone such as on the head, in the armpits, on the abdomen, on the inner side of thighs, and the inner side of calf, on the soles of the feet, the back of body etc.



Through alarm monitoring tablet, the user can view the real-time video, alarm information on the body figure image including alarm zone, alarmed objects material and shape graphic, captured photo, pass and alarm count etc.

The system configure an embedded AI edge-computing host which supports alarm data collection and storage, video input and AI algorithm running, connection with monitor tablet and cloud platform.

The system configures one or two HD camera, supporting to display the real time video and capture the photo of passing person which will be bundled together with according detection result.

Alert notifications can be sent in real-time to a Security Operation Center, monitor tablet or mobile phone App, computer-based browser from cloud platform, Video Management System (VMS), Access Control System, and more. The alert system can also be further integrated with other business software.

- The system supports to be connected with the control cloud platform.
- Not only the alarm can be defined as the concealed zone of body, but the system can also distinguish whether the metal items are concealed in the front or back of body, and show the alarm position separately.
- Trigger alert notification by sound and light, and display the shape and materials, even concealment posture of the alarmed item in the form of graphics and text on the monitor tablet.
- Multi-zone alarm mode can be enabled, then the alarm interface will display two alarm information simultaneously if the system detected two metal items.

