

Description

Eurologix makes state-of-the-art passive millimeter wave cameras and systems that detect objects concealed on the body and underneath clothing. Unlike metal detectors, Eurologix can detect both concealed metallic and non-metallic objects. Plastic and composite guns, ceramic knives, improvised weapons and explosives, as well as non-threat specific items such as CD's, electronic components, jewelry, and liquids are all examples of items that Eurologix's cameras can detect. Eurologix sells cameras/imagers as well as its Stand-Off, Portal and Walk-by Systems.

Eurologix's Walk-By System is a passive millimeter-wave whole body imager with automatic threat detection ("ATD"). The system was designed and built to detect medium and large sized objects such as knives, handguns, assault rifles, body-bombs and other improvised explosive devices that are hidden on the body. Operation can be either overt or covert and it can scan up to 900 people per hour. The System can be easily adapted/configured to suit a variety of walk-by applications and their unique operational requirements. The image above shows the system set-up to emulate an entryway or corridor application that is typical in mass transportation venues, public and private infrastructure, and shopping malls to name a few. The length and shape of the corridor can be tailored to meet most application specific requirements. As the subject walks through the corridor at a normal walking pace he/she is scanned by two passive millimeter wave cameras located behind the walls. Below is a screen shot of what the operator would see in real-time.



In this particular situation the subject is carrying body bombs on the front and back as he walks through the corridor. The operator has selected to display both the millimeter wave image and the video image side by side on the screen. On the left, the body bombs are visible on the millimeter wave image. To aid in detection, operator effectiveness, reduce operating costs and provide an option for privacy, the system includes Millivision's proprietary Automatic Threat Detection (ATD) tool. The ATD tool superimposes a red box around the detected threat. The operator can choose to use this tool on the millimeter wave image, the video image (as shown above) or both. In applications where privacy could be an issue, operators would choose to only view the video image with ATD.



Advantages:

- Extensibility - Millivision is the only vendor that uses a common platform to deliver all 3 modes of scanning – Portal, walk-by and stand-off. Unlike other vendors that produce single purpose/mode systems, Millivision has the ability to build systems tailored for special uses (across a broad range of form factors).
- Privacy - Millivision uses its Automatic Threat detection Tool (ATD) to implement privacy. Millivision's tool is superior to systems that rely on masking algorithms that blur the private areas or use a complex and cumbersome operational model requiring multiple operators to ensure that the person viewing the image does not actually see the subject.
- Lower Operating Costs - Millivision believes that its advanced ATD tool will prove to deliver lower operating costs for its customers. Because the primary screener will only view a video image of the subject versus a "revealing" millimeter wave image there is no need to employ the costly and cumbersome process that others rely on. Additionally, we anticipate lower training costs, less operator turnover and less operator fatigue due to the ease of system use compared with the need to carefully examine millimeter wave and/or holographic images
- Throughput – ATD also acts as an efficiency tool resulting in high throughput rates.
- Safety – Millivision's systems are totally passive and emit no radiation. Detection is based on the millimeter wave energy that is being produced by the human body.

Specifications

- Size: H 7.5 Ft, L 25 ft, W 10 ft
- Weight: Approx 1,000 lbs.
- Power: 120 VAC, 2 x 20A Circuits
- Console- May be placed anywhere, connected over Ethernet, hand-held wireless consoles are available

