

# RAPISCAN CM620

## Conveyor Radiation Monitor



*baggage & parcel*  
**radiation  
detection**



The Rapiscan CM620 is a radiation monitor that automatically and covertly inspects hand-carried articles during X-ray screening at a security checkpoint. The CM620 unit, which contains the radiation detector(s) and electronics, is positioned below the conveyor at the entrance to the X-ray machine. Bags are inspected for radiation as they move on the conveyor over the monitor and into the scanner. A radiation alarm is signaled to the operator by bright lights.

The CM620 radiation monitor has a PVT plastic scintillator gamma radiation detector and, if required, a neutron radiation detector. It is designed to minimize the impact of scattered X-rays from the baggage scanner. The CM620 detects medical and industrial isotopes specified in ANSI N42.35, the US security inspection standard. It is also capable of detecting Special Nuclear Materials, such as uranium and plutonium.

Although the X-ray scanner supplies the conveyor for the radiation inspection, the CM620 is a standalone unit that is not integrated with the scanner. The radiation monitor is mounted on an adjustable stand that can easily be rolled into place under the entrance conveyor and locked into position at the appropriate height. A plastic skirt protects and hides the unit so that the additional radiation inspection is not evident. The CM620 is available in for conveyor belts of varying widths, up to three (3) feet wide (CM620 EXT-3).

The CM620 is the solution of choice to concurrently subject hand carried articles to both X-ray and radiation inspection, such as at security checkpoints in airports, at facility entrances and at events. The CM620 offers the following advantages:

### SPECIFICATIONS

<b>Gamma Detector</b>	Organic Plastic Scintillator
<b>Neutron Detectors</b>	Optional neutron detection available
<b>Sensitivity</b>	Will detect 10g of 235U (HEU) as well as the following ANSI N42.35 sources: Co-57, Co-60, Ba-133, Cs-137, and Th-232
<b>Power</b>	90 – 250 Vac, 47 - 63 Hz line power
<b>Dimensions</b>	30"h x 24"w x 7"d (76.2 x 61 x 17.8 cm) 30"h x 36"w x 7"d (76.2 x 91 x 17.8 cm)

### FEATURES

- Requires no additional floor space
- Performs unobtrusive and covert inspection
- Does not impact the X-ray screening operation
- Detects radioactive material threats

