

ACU-CPR3: See Through Wall Human Detector

Handheld easy-to-use See through Wall human detector, for the detection of human movement through walls or other solid objects.

APPLICABLE ORGANISATIONS

- Police, law enforcement agencies in situations where they need to ascertain information regarding human movement behind solid structures.
- Search and rescue organizations where human detection needed in hazardous or dangerous situations, for example to detect movement in hostage situations.

FEATURES

- Very fast and simple to use the ACU-CPR3 hand held human movement detector can be operated with just one hand.
- Waterproof and robust construction the ACU-CPR3 see through wall radar is designed for police and military use.
- Intuitive operator interface with graphical display, clear and easy to use, with adjustable back-light for night time use.
- The See Through Wall Human Detector requires minimal operator training.
- Typical accurate detection range of the see through wall radar to a human in a 70 degree sector is 3-5 m behind a 20 cm concrete wall, 10 meters behind an interior wall, 25 meters without any obstacles.
- Sensitivity of the detection of human movement through walls of the device can be easily increased or decreased as needed. Movements such as "fans" etc filtered out and not detected, increasing the accuracy of human detection.
- Operates for more than 10 hours on internal standard batteries.
- Ergonomic, lightweight and robust case size 9/12x20x3 cm and 600 grams.
- Remote Management, up to 7 units can be monitored and controlled via bluetooth software management system.
- Reporting, history file can be accessed for post analysis.



ADVANTAGES

- The major advantage to this device in relation to others is it's lightweight robust nature and handheld design.
 - Little training needed to operate the device, simple graphical display.
 - Low cost solution relative to competitors.
 - Accuracy, a hidden person can be detected several meters behind a wall, only from his breathing. The sensitivity and the sensor detection thresholds may be set directly from the device or in the bluetooth control software.
 - Remote Bluetooth monitoring and control of several remote devices means that multiple operational configurations are possible. This functionality is shown in more detail in the following video.
- ❖ Narrow band Doppler radar, CW 10GHz Transmitted power below 15mW
 - ❖ With the coverage pattern of ACU-CPR3 gives a power density of 1 mW/cm³ at 5mm distance and 0.72 uW/cm³ at 1 meter (The maximum permissible exposure level is 7 mW/cm³ by IEEE)