

ReTwis 5+

Detection of person situated behind a solid barrier

Radar range up to 40 m

Extremely light and portable

Intuitive control

The ReTwis 5+ (RETIA Through-Wall Imaging System) is a unique small portable radar detecting living entities behind a wall or a non-metallic barrier. Thanks to its technology, the radar can detect living entities both in motion and at rest.

Small dimensions, low weight and a long operation period makes ReTwis 5+ a highly portable device suitable for multi-purpose usage for special police and military units.

The signal processing of the ReTwis 5+ radar, optimized for the detection of small changes triggered human or animal movement, enables localization, for example, of a human being based only on breathing.



TECHNOLOGY

The ReTwis 5+ radar uses UWB (UltraWide-Band) radio localization technology. The UWB technology is specific by its high resolution, high noise immunity and practically no interference with other radio systems. Another benefit is easy penetration of its signal through the walls or other non-metallic barriers. Visual outputs of entities hidden behind the walls are displayed on the basis of processing the pulses reflected from them.



KEY PROPERTIES

- Radar range up to 40 m
- Extremely light
- Highly portable
- Intuitive control
- Multilingual
- 2D or 3D imaging
- Start up time 20 sec.
- Powerful battery
- Up to 2 hours of record can be saved
- Water and dust-proof

TECHNICAL SPECIFICATION

Dimensions	35 × 28 × 12 cm
Weight (including battery)	3,2 kg
Radar range	up to 40 m
Battery life	5 hours
Launching time	20 sec.
Displaying	2D – 3D
Display	7"
Remote control	LAN, WIFI
Technology	UWB – SFCW
Operation frequency	1,9 to 3,7 GHz
Transmitting power	~ 10 mW
Displaying angle	120° horizontally and in elevation