

RANGE-R[®] LINK

Handheld, portable through-wall radar

Range-R[®] Link, a new version of the Range-R[®], improves officer even further. With an embedded wireless capability, Range-R Link allows your team to virtually eliminate their exposure to the danger zone surrounding a building, while retaining the handheld capability of Range-R when up-close operations are required.

Range-R Link technology enables remote operational and monitoring of the Range-R sensor via secure Wi-Fi. This enables the Range-R Link, mounted on the Range-R Link monopod, to be strategically positioned against a wall and operated / monitored remotely from a safe location at least 100 meters away. When the Range-R Link app is activated, scans are controlled remotely so the unit can be left for an extended period with occasional scanning of the building interior. A dedicated device* provides this capability in a pocket-sized display. This “virtual sentry” capability minimizes your time in the fatal funnel.

The unit also speeds team communication of the situation at hand by permitting remote viewing of the target information.

A dedicated Wi-Fi network permits another team member to simultaneously see the same information as the operator. Up to four Range-R Link sensors can be viewed and operated from the same remote display.

The Range-R Link is essentially a Range-R with an embedded Wi-Fi functionality. It is available for new purchases or your existing Range-R units can be easily upgraded. The system includes the Range-R Link sensor, monopod and pocket-sized remote display*.

* A specially-programmed Android phone is used for this purpose.



A lightweight handheld radar system designed to detect people through walls and structural barriers made from common building materials.

APPLICATIONS

- > Hostage recovery
- > Tactical entry
- > Search & Rescue
- > Breaching operations
- > Stowaway detection

SPECIFICATIONS

Unique Features

Dimensions	8.9" x 4" x 3.8"	22.6 cm x 10.2 cm x 9.4 cm
Weight	1.5 lb, no batteries	0.7 kg, no batteries
Detection Range	50+ feet	15+ meters
Resolution	15.75"	40 cm
Field of View	180 degrees Azimuth	(180 degrees in elevation)
Waveform Type	Stepped-frequency continuous wave (SFCW)	
Bandwidth (BW)	3.1 – 3.34 GHz, 120 discrete frequency steps	
Output Power	32 mW	(+15 dBm)
Power Requirements	4 standard AA batteries (L91 recommended) or Range-R Rechargeable Battery Kit	

Environmental

Operating Temperature	-4°F to +122°F	-20°C to +50°C
Operating Time with Batteries	~400 scans (Lithium L91)	
(15 – 30 second scan)	<100 scans (alkaline)	

System Components

- > Range-R Link Sensor
- > Monopod and adapter
- > Android remote control device
- > Training CD
- > Environmentally hardened carry case

Optional

- > Range-R rechargeable battery kit

Operational Standards

This device has received certification under the authority of the Federal Communications Commission (FCC).

Identifier:	YKD-25TWD3000-029
Equipment Class:	Licensed non-broadcast station transmitter



RANGE-R LINK SYSTEM

Front Profile



RANGE-R LINK SYSTEM

Side Profile

Range-R® Link

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