

# Range-R™ 2D Link



Handheld, Portable, Through-Wall Radar

Security & Detection Systems

## Range-R 2D Link adds an integrated, secure WiFi capability and enhances user safety by enabling remote operation and monitoring for up to 100 meters from the sensor.

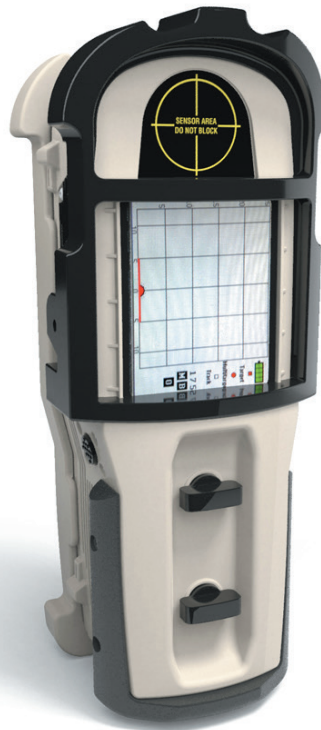
The Range-R 2D Link extends user control and viewing remotely, allowing the user to operate the sensor from a secure or covert location. Using the provided tripod/monopod and rugged tablet, the sensor can be placed at the structure of interest, and the operator has full control of all features and displays as if they were holding the unit.

As with the Range-R 2D, in real time, the Range-R 2D Link locates moving and stationary persons. Its highly sensitive Doppler radar enables it to detect even slight movement of a person breathing, and Range-R 2D's patented backward looking capability assures it performs with very low false alarm responses. The simple user interface, proprietary detection algorithms, and rear looking radar receiver offer best in class performance.

Hostage situations, stand-offs, natural disasters and burning buildings are just a few scenarios where Range-R 2D's through-wall technology can be utilized to locate persons hidden from view – without putting the lives of emergency responders in unnecessary danger. It enables police, SWAT, emergency medical teams, firefighters and other special operations teams to efficiently and effectively allocate their time and resources when split-second decisions must be made.

The system is designed to be operational from a breach or standoff location. Range-R 2D has a simple-to-use interface and a rotational, easy-to-read LCD display. Its compact design and light weight make it easy for users to integrate with their existing gear load.

*Rotational LCD screen*



*Patented rearward looking radar reduces false alarms*

### APPLICATIONS

- Hostage recovery
- Tactical entry
- Search & rescue
- Breaching operations
- Stowaway detection

**SPECIFICATIONS: CWMD**

**UNIQUE FEATURES**

Dimensions: 10" x 3.6" x 3.9"  
(25.4 cm x 9.14 cm x 9.9 cm)

Weight: 3 lbs  
1.36 kg

Detection range: 65+ feet  
20+ meters

Field of view: 180/90 degrees azimuth and elevation

Resolution: 15.75"  
40 cm

Waveform type: Stepped-frequency continuous wave (SFCW)

Bandwidth (BW): 200 discrete 2 MHz steps

Frequency: 3.1-3.5 GHz

Output power: 32 mW (+15 dBm)

Power Requirements: 8 standard AA batteries  
Primary or rechargeable

**ENVIRONMENTAL**

Operating Temperature: -4°F to 122°F  
-20°C to 50°C

Operating Time: > 11 hours; lithium L91  
> 8 hours; NiMH  
> 3 hours; alkaline

**RANGE-R 2D LINK SYSTEM COMPONENTS**

- Range-R 2D Link
- Rugged tablet with Range-R 2D Link App
- Tripod/Monopod
- Two packs of NiMH rechargeable batteries
- Battery charger
- External AC-DC 12V power supply for sensor/charger

**OPERATIONAL STANDARDS**

This device has received certification under the authority of the Federal Communications Commission (FCC Identifier: YKD-25STW4100-019; Equipment Class: Licensed non- broadcast station transmitter. Contains FCC Identifier YKD-25STW4100-029).

**DESIGN POLICY**

L3 Security & Detection Systems reserves the right to change specifications in the course of continuous improvement. Specifications are provided for reference only and actual equipment may differ slightly from the description given.



**System-Front Profile**



**System-Side Profile**



**Security & Detection Systems**

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