



# PENETRO-2D

PORTABLE TWO-DIMENSIONAL  
BEHIND THE WALL IMAGING RADAR



2D BEHIND-WALL  
VIEWING



REAL-TIME HIGH  
PERFORMANCE



HIGH  
RESOLUTION



ADVANCED SIGNAL  
TECHNOLOGIES



STRONG COMPATIBILITY  
WITH THE ENVIRONMENT



STRONG  
PENETRATION

# PENETRO-2D

## PORTABLE TWO-DIMENSIONAL BEHIND THE WALL IMAGING RADAR

### GENERAL FEATURES

The hand-held 2D Through Wall Radar PENETRO-2D is a vital sign detection device that integrates UWB radar and biomedical engineering technology. This product can penetrate obstacles such as building walls and detect the location and number of human targets behind them in real-time. It features strong penetration capability, a small and portable design, and can be easily controlled with one hand. PENETRO-2D is widely used in through-wall reconnaissance scenarios such as counter-terrorism, hostage rescue, urban street fighting, and border control.



### TECHNICAL SPECIFICATIONS

<b>Device Type</b>	Hand-held 2D through wall radar	<b>Multi-target Detection</b>	≥3
<b>Penetrable Materials</b>	Bricks, floor slabs, stone slabs, doors and concrete walls, etc., non-metallic, low moisture content objects	<b>Durable Working Time</b>	≥4h (two battery)
<b>Detection Information</b>	Target two-dimensional coordinates, target number, dynamic/static state, one dimensional waveform and interior structure layout	<b>Power Supply</b>	Type-C interface for charging and supports internal or external battery charging
<b>Display Mode</b>	Supports 1.5D, 2D	<b>Dimension</b>	≈255mm×105mm×38mm
<b>Detection Range</b>	40m	<b>Weight</b>	≈0.8kg (including battery)
<b>FOV</b>	≈120°	<b>Optional Accessory</b>	Bracket, handheld display and control terminal, wired