

# NSR ARCHER

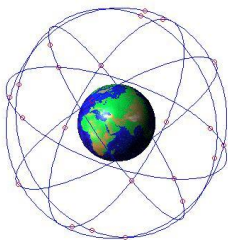
## LAST MILE POSITIONING



**NSR Archer** is a cutting-edge last-mile positioning device, providing unparalleled accuracy, reliability and usability. Supporting positioning of both UMTS and GSM devices and combining multi-dimensional cellular positioning capabilities,



**NSR Archer** provides law enforcement, intelligence and national security agencies with the advanced and compact last-mile positioning solution they require to ensure swift and effective pinpointing capabilities. .



### KEY FEATURES

- Unified Last Mile Positioning Device
- Highly Accurate and Reliable
- Superior Range & Resistance to Interference
- Covertly Operated through a Smartphone
- Geographic Detection Layers
- Line of Bearing Calculation and Display
- Bearing Display over Live Video Feed



## UNIFIED LAST MILE POSITIONING DEVICE

NSR Archer provides integrated unified last mile positioning solution, eliminating the operational need to carry different equipment types for each technology (i.e. GSM or UMTS). NSR Archer boosts operational performance thanks to its highly usable unified user interface which requires minimal training time, as well as its advanced features and capabilities. Once a last mile positioning session on a target device is active, NSR Archer provides a quick and accurate detection of the targeted cellular device, regardless of the actual technology it uses.

## HIGHLY ACCURATE AND RELIABLE

NSR Archer innovative fast detection algorithms guarantee swift accurate pinpointing, even in operationally challenging environments such as busy markets, bustling main streets and even indoor detection of hidden devices. Its high sensitivity and long range enable safe operation in potentially risky environments, leading to significant operational benefits.

## SUPERIOR RANGE & RESISTANCE TO INTERFERENCE

The receiver used by the NSR Archer is both extremely sensitive and robust, providing an operating range far superior to any commercially available direction finder, and unmatched resistance to interferences caused by transmissions of other cellular devices. For example, NSR Archer can detect UMTS targets from distances of kilometers, while ignoring other devices on the same frequency.

## COVERTLY OPERATED THROUGH A SMARTPHONE



NSR Archer is a compact, highly portable device. Easily concealed, and fully controlled via a Smartphone, it is inherently inconspicuous, facilitating covert operation. Visual and audible indications allow the operator to blend in and zero in on the target without compromising the operation or exposing the activity



## GEOGRAPHIC DETECTION LAYERS

Whenever GPS reception is available, NSR Archer displays the target device's measurements in a heat-map form. This increases operational covertness by enabling an inconspicuous three stage operational approach: first, a drive-by session; then, manual covert detection, and finally - physically reaching and apprehending the target is carried out.

## LINE OF BEARING CALCULATION AND DISPLAY

Using a built in antenna array, the unit processes multiple signal sources and is able to detect the Angle of Arrival (AOA) of the signal. Combined with additional location related info NSR Archer allows pinpointing the target's location from a distance, catalyzing the entire operational flow. Another option is to use multiple NSR Archer units in parallel, thus generating a location fix of the target's device without any external information.

## BEARING DISPLAY OVER LIVE VIDEO FEED

The unique vehicle mounted Archer offers a 2 axis bearing capability which allows positioning cellular transmissions for both the horizontal and vertical planes. This means that if parked in front of a building in which a target device is located, the NSR Vehicle Archer will be able to determine both the floor in which the target is located and the estimated section as well. NSR Vehicle Archer provides a live stream feed onto which a bearing beam is displayed.



## OPERATIONAL & TECHNICAL SPECIFICATIONS

Feature	Description
Supported Networks	GSM, GPRS, EDGE, UMTS, HSPA, HSPA+
Supported Bands	30-3000 MHz
LOB Accuracy	Approx. 1° over a continuous session
Dual-plane location capability	Supported
Dimensions	29.6 x 21.2 x 9.6 cm
Weight	2.6 kg
Measurement accuracy	±1dB
Dynamic range	>70dB
Map layer	UI for measurement reading recording (requires internet)

## About NSR

NSR designs, implement , and supports advanced solutions that empower end users to operate and manage Smart Cities, Transportation Hubs, Emergency Response Centers, and more.

**Out of The Box** - our thinking, designs and solutions are operationally oriented and adaptable.

**Leverage Assets** – we enable and upgrade existing sensors & legacy systems.

**Design for Growth** - NSR designs solutions that grow with customer needs.

**Tried & Tested** - proven technology, integration, and delivery capabilities.

## Offices

**NSR BV:** Netherlands, HQ + Administration

**ENSURA BV:** Netherlands, Europe R&D

**NSR Compass:** China, East Asia Programs

**ENSURA Israel:** Israel, Product R&D

**ENSURA Tech Solutions:** Israel, Integration

**NSR Mexico:** Mexico, South America Programs

## Online

**NSR Group:** [www.nsrhld.com](http://www.nsrhld.com)

**ENSURA BV:** [www.ensura.com](http://www.ensura.com)

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