





THE START OF A NEW ERA IN METAL DETECTION! GO BEYOND BASIC BEEPS AND TARGET ID NUMBERS.

INVENIO is the first and single revolutionary step taken towards turning a dream into reality in the metal detector industry!

INVENIO represents one of the most dramatic advances in metal detection technology since conventional metal detectors first appeared on the market in the 1930s. While many new features and advancements in technology have been introduced since, INVENIO provides the first major step forward in meeting consumer expectations.

While the competition has simply pushed the existing patents and technology forward; none have gone much beyond generating basic beeps and IDs for targets.

On the other hand, users have been expecting a lot more from a detector:

- To discover deeper targets
- To know what type of a metal the detected target is
- o To see the real depths of targets
- The see the real shapes of targets
- o To determine the dimensions of targets
- To detect ground anomalies/cavities

Nokta & Makro Detectors, since its foundation, has been taking steps towards turning this dream of users into reality. After years of extensive Research & Development and advanced engineering studies, Nokta & Makro has achieved the development of the world's first Smart Detector & Imaging system – the INVENIO. Nokta & Makro owns the whole technology and know-how used in the INVENIO for which 3 different patents are applied for.

INVENIO is designed as a platform that can be advanced and it is planned to be integrated with all hobby detectors (coin and relic) as well as gold nugget detectors in the future.



Artificial Intelligence

The Artificial Neural Network enables the device to provide superior shape extractions as well as depth indications by utilizing adaptive learning algorithms!



Archive

You can save all 3D graphs and screenshots and transfer them to your PC if you wish.



Multi - Purpose

Targets that you can detect with the INVENIO: Deep treasures, caches, coins, relics, ground anomalies/cavities such as underground caves, tunnels etc... In short, all you are looking for underground!



17 Languages

English / German / Greek / Turkish / French / Italian / Russian / Arabic / Spanish / Chinese / Persian / Bulgarian / Serbian / Romanian / Dutch / Portuguese / Polish



Excellent Discrimination and Unmasking Ability

Save time by detecting the targets you want while spending less time digging.



2.4GHz Wireless Connection

The INVENIO system box and shaft communicate wirelessly. In addition, users who do not prefer wired headphones can purchase the optional 2.4GHz wireless headphones.



High Performance and Unmatched Depth

Uncover deep treasures other detectors simply cannot detect.



Online Firmware Updates

Stay up-to-date with firmware updates (via USB on PC) and get the most out of your detector.



Fast Recovery Speed

Get ready to find out what other metal detectors missed amongst trash and iron!



Vibration

When this feature is active, INVENIO will vibrate upon target detection. An essential feature for hearing impaired users and noisy surroundings.



3 Non - Motion Search Modes Basic/Expert / Ground Anomaly & Cavity

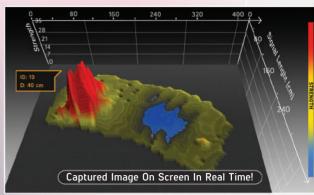
3 Motion Search Modes All Metal/Fast/Deep



LED Flashlight and Screen Backlight

INVENIO's screen backlight and the flashlight, which illuminates your scan area, enable you to detect in the dark as well.

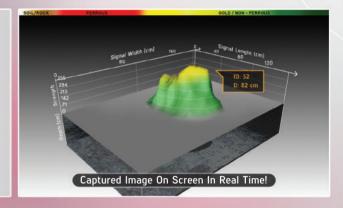






Copper Boiler Filled with Gold Coins Width 50 cm - Height 30 cm

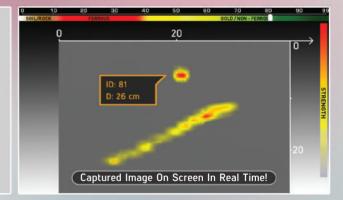




Real Buried Targets Underground

Coin (2.5 cm) &

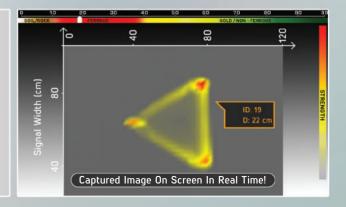




Real Buried Target Underground

Equilateral Triangle Made of Iron Bars (50 cm each side)









INV56 Waterproof DD Search Coil 56 x 49 cm (22" x 19")



INV40 Waterproof DD Search Coil & Cover 40 x 35 cm (15.5" x 14")



INV28 Waterproof DD Search Coil & Cover 28 x 18 cm (11" x 7")



Waterproof (IP67) Hard Transport Case



Headphones



Spare 9500 mAh LiPo Battery



System Box Carrying Case



INV56 Search Coil Carrying Bag



IPTU Sensor Carrying Bag



Protective Covers



Screen Sunshade



Harness/Carrying Belt/Bungee Cord



Carrying Belt



AC & Car Charger



USB Cable

INV56 Waterproof DD Search Coil 56 x 49 cm (22" x 19") INV40 Waterproof DD Search Coil 40 x 35 cm (15.5" x 14") INV28 Waterproof DD Search Coil 28 x 18 cm (11" x 7") Waterproof (IP67) Hard Transport Case Headphones Spare 9500 mAh LiPo Battery System Box Carrying Case INV56 Search Coil Carrying Bag IPTU Sensor Carrying Bag Protective Covers Screen Sunshade Harness / Carrying Belt / Bungee Cord Carrying Belt AC & Car Charger USB Cable







TECHNICAL SPECIFICATIONS

Operating System : Embedded Linux System

Graphic Process : OPEN GL

Sensor : IPTU (Integrated Positional Tracking Unit)

Operating Principle: VLF

Operating Frequency: INVENIO: 14kHz - INVENIO Pro: 5kHz / 14kHz / 20kHz

Audio Frequencies : 150Hz - 700Hz adjustable

Search Modes : 3 Non-Motion (Basic / Expert / Ground Anomaly & Cavity)

and 3 Motion (All Metal / Fast / Deep)

Iron Audio : Yes
Tone Break : Yes
Notch Filter : Yes

Languages : English / German / Greek / Turkish / French

/ Italian / Russian / Arabic / Spanish / Chinese / Persian / Bulgarian / Serbian / Romanian / Dutch

/ Portuguese / Polish

Ground Balance : Automatic / Manual / Tracking

Pinpoint : Yes
Frequency Shift : Yes
Vibration : Yes
Sensitivity Setting : 1 - 99
Target ID : 00 - 99

Search Coils : INVENIO : INV28 Waterproof DD 28 x 18 cm (11" x 7"), INV40 Waterproof DD 40 x 35 cm (15.5" x 14")

INVENIO Pro: INV28 Waterproof DD 28 x 18 cm (11" x 7"), INV40 Waterproof DD 40 x 35 cm (15.5" x 14"),

INV56 Waterproof DD 56 x 49 cm (22" x 19")

Displau : 7" 800 x 480 18 Bit RGB TFT Screen

Backlight : Yes LED Flashlight : Yes

Weight : System Box: 1.7 kg (with 5500 mAh battery) Shaft and Handle: 2.4 kg

Length : 121 cm - 152 cm adjustable

Battery: 7.4 V 5400 mAh LiPo

System Box Battery: 7.4 V 5500 mAh LiPo

System Box Spare Battery: 7.4 V 9500 mAh LiPo (included in pro package only)

Battery Life : Shaft Battery Life: Approximately 9 hours

System Box Battery Life: Approximately 5 hours

System Box Spare Battery Life: Approximately 9 hours

Warranty : 2 years

Patents : Displaying the shape & dimensions of metals, displaying the depth of metals,

displaying ground anomalies / cavities

