

The New MagShoe™ 3G Series

MagShoe™ 3G series - The latest metal detectors from the MagShoe™ family of Shoes-On Metal Detectors from IDO Security.

MagShoe™ metal detectors are employed all over the world wherever a strict control over entry of weapons and other metal objects is required.

Our detectors employ state-of-the-art sensors and algorithms to detect weapons and other controlled metal articles going in or out of secure environments such as government facilities, stadiums, airports, prisons, coin-production mints etc. By providing accurate measurements MagShoe™ solutions keep the false alarm rate low, while detecting guns, parts of guns, knives and metal objects concealed in shoes and the lower

part of the body, and at the same time ignoring metal normally found in footwear, like heels, zippers, ornaments etc. This keeps the number of manual inspections required at minimum focusing on the real threat.



The latest models of the MagShoe™ 3G series - features improved sensors and detection algorithms, higher detection range, on-board LED displays for scan results and user information together with the ability to connect to a MagShoe™ centralized Network Management and Control System - the NMC-3.

Usage of the NMC-3 software system allows real-time monitoring and control of all the deployed MagShoe™ units from a central remote location.

MagShoe™ 3G/2

The 3G/2 model is actually the predecessor of the field-proven and widely used MagShoe™ model 2.72, already installed in numerous locations worldwide and used in various applications, both in the Home Land Security and Loss Prevention markets.

MagShoe™ systems are installed in Parliaments and other Governmental buildings, Prisons, Cruise Ships, Sport Stadiums, Residential compounds, Coin production mints, Jewellery factories and more

The 3G/2 model features improved detection and sensitivity settings to comply with the unique detection requirements of the HLS market (i.e. detection of a blasting-cup or other detonation apparatus, small ammunition, electrical wires etc.) and the Loss Prevention market (i.e. theft-prevention of small metallic items like coins, electronically parts and other valuable metallic items). An optional fixed safety Rails system ensures a safe and simple use.



The MagShoe™3G Series

- Fully automatic and fail-proof operation requiring minimal training and supervision
- Discrimination of the metal components found in shoes
- Significantly reduces the number of manually examined or X-Rayed footwear
- Scanning only takes a number of seconds increasing the passenger flow rate
- Two levels of password-protected user-permissions reduce the probability of human error or malicious disruption
- On-board statistic data collection and analysis with download options
- Ability to connect to the remote Network Management & Control system (NMC-3) via a local Ethernet Network
- Magnetic interference resistance for flexible placement among the existing equipment and infrastructure
- Certified as fully safe for wearers of pacemakers and pregnant women; uses non-ionizing and harmless low-frequency electromagnetic fields

MagShoe™3G/2 Features:

- Detection height of 20 cm (7.9") from sole
- Improved algorithm for sensitive detection of small items
- Rapid scan time - about 2 seconds per check
- Low false alarm rate
- Preconfigured threshold levels according to needs and demand
- Manual threshold settings option to conform to local regulations and for training purposes
- Back-up Battery with audio/visual indication of emergency use, i.e. during main power failure or use in a temporary location
- No special training required, simple and easy to use
- Light weight and portable, easily moved and re-installed in a matter of minutes
- Small foot print, easily integrated into existing check point operations
- Low maintenance required



Israel Standard Institute



IDO Security Ltd.

20 Freiman Street, 4th ent, Rishon LeZion 75358, Israel
Tel. 972-3-952 3599 Fax: 972-3-952 3604
inquiries@idosgroup.com www.magshoe.net

IDO Security Inc.

17 State Street, 22nd Fl. New York, NY 10004, USA
Tel. 646-214 1234 Fax. 646-285 0026
inquiries@idosecurityinc.com www.idosecurityinc.com

The New MagShoe™ 3G Series

MagShoe™3G series - The latest metal detectors from the MagShoe™ family of Shoes-On Metal Detectors from **IDO Security**.

MagShoe™ metal detectors are employed all over the world wherever a strict control over entry of weapons and other metal objects is required.

Our detectors employ state-of-the-art sensors and algorithms to detect weapons and other controlled metal articles going in or out of secure environments such as government facilities, stadiums, airports, prisons, coin-production mints etc. By providing accurate measurements MagShoe™ solutions keep the false alarm rate low, while detecting guns, parts of guns, knives and metal objects concealed in shoes and the lower

part of the body, and at the same time ignoring metal normally found in footwear, like heels, zippers, ornaments etc. This keeps the number of manual inspections required at minimum focusing on the real threat.



The latest models of the MagShoe™3G series - features improved sensors and detection algorithms, higher detection range, on-board LED displays for scan results and user information together with the ability to connect to a MagShoe™ centralized Network Management and Control System - the NMC-3.

Usage of the NMC-3 software system allows real-time monitoring and control of all the deployed MagShoe™ units from a central remote location.

MagShoe™ 3G/4

The 3G/4 model was designed especially for the Aviation Security market. It conforms to EU Aviation Security Regulations concerning detection requirements and other provisions.

The new and improved design focuses on the operator and end-user, the passenger or crew/staff member, with on-board LED display panels for easy visibility of scan results from around the device and a separate set of LED displays for traffic control, indicating to the next passenger in line when to step on the device, audio signal with programmable settings option for loudness and tune, clearly marked feet positioning pads, Safety Rails for user comfort and safety and more.



The MagShoe™3G Series

- Fully automatic and fail-proof operation requiring minimal training and supervision
- Discrimination of the metal components found in shoes
- Significantly reduces the number of manually examined or X-Rayed footwear
- Scanning only takes a number of seconds increasing the passenger flow rate
- Two levels of password-protected user-permissions reduce the probability of human error or malicious disruption
- On-board statistic data collection and analysis with download options
- Ability to connect to the remote Network Management & Control system (NMC-3) via a local Ethernet Network
- Magnetic interference resistance for flexible placement among the existing equipment and infrastructure
- Certified as fully safe for wearers of pacemakers and pregnant women; uses non-ionizing and harmless low-frequency electromagnetic fields

MagShoe™3G/4 Features:

- Conforms to relevant EU regulations such as N° 1862/2006 and N° 857/2005 for Airport Security
- Detection height from sole of footwear up to 45cm (18.5")
- Multi-zone detection - allow discrimination between metal content in shoes and above knee, where casual metal object may be detected inside pockets
- Rapid scan time of about 4 seconds per check
- Low false alarm rate
- Preconfigured security levels to conform with EU regulations
- Manual threshold settings option - for ad hoc security needs and training purposes
- Back-up Battery with audio/visual emergency use indication during main power failure
- No special training required, simple and easy to use
- Small foot print, easily integrated into existing check point operations
- Low maintenance required



IDO Security Ltd.

20 Freiman Street, 4th ent, Rishon LeZion 75358, Israel
Tel. 972-3-952 3599 Fax: 972-3-952 3604
inquiries@idosgroup.com www.magshoe.net

IDO Security Inc.

17 State Street, 22nd Fl. New York, NY 10004. USA
Tel. 646-214 1234 Fax. 646-285 0026
inquiries@idosecurityinc.com www.idosecurityinc.com

NMC-3

Network Management & Control system

for MagShoe™3G series

NMC-3 - the MagShoe™3G Network Management and Control System that remotely manages multiple MagShoe™3G Metal Detector Units from a central site.

The NMC-3 System includes the management and control server and the respective software in the central site, and MagShoe™3G Metal Detectors Units in multiple remote sites. These MagShoe™3G units are connected to the central site via an Ethernet network.

Each MagShoe™3G is locally operated by an operator and can be remotely monitored and managed from the central site.

NMC-3 System main features:

- Gathering and storing all measurement information received from MagShoe™3G units.
- Managing up to 300 MagShoe™3G units divided into logical groups for easy monitoring and control.
- Real-time MagShoe status monitoring, supplying NMC-3 users with an accurate and up-to-date view of the system state - including the operating MagShoe™3G units, working personnel and usage statistics.
- Password-protected access to the NMC application and an ability to customize user access right to suit any role and task. User rights range from all-capable Supervisor to view-only user access.
- Remote MagShoe™3G management - With the required access rights, every MagShoe™3G unit connected to the NMC system can be centrally managed from the NMC application. The following operations may be performed:
 - Real-time monitoring of ongoing security checks
 - MagShoe™3G unit parameters configuration
 - Allowing or blocking operator access to MagShoe™3G units
- Provides data analysis tools for analysing historic MagShoe™3G unit performance over desired time period up to 1 year. The resulting reports can be exported in Microsoft Excel-compatible format.



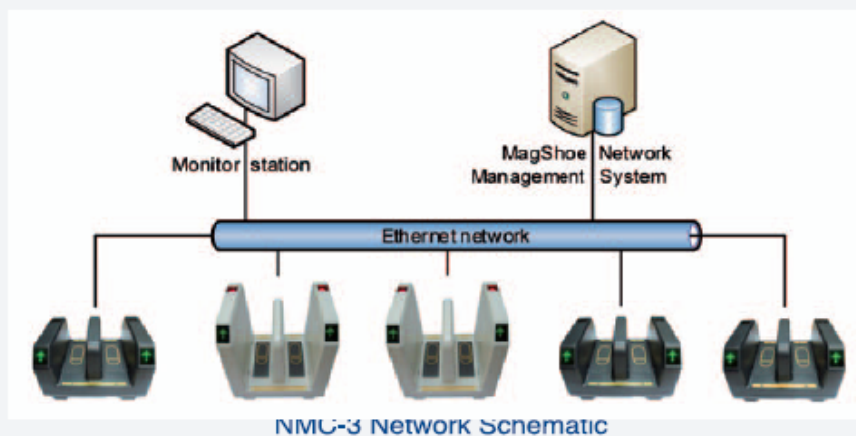
NMC-3; Flexible Operator Management



Colour-coded Detailed Status View display



Individual MagShoe detail level



NMC-3 Network Schematic

The NMC System is supplied installed on a high-performance industrial-strength server system with advanced processing and storage capabilities and requires no further software installation.

The MagShoe™3G Network Management System involves different components. System configuration includes the NMC-3 Server and the NMC-3 Monitoring Station. All required NMC-3 Server applications are preinstalled on the NMC-3 Server. These applications handle all communications with the MagShoe™3G units connected to the network and allow their monitoring and control.

The NMC-3 Software Package is installed on the NMC-3 Monitoring Station and communicates with the MagShoe™3G units at remote sites via the NMC-3 Server.

NMC-3 Server monitoring and control modules:

- **Database module:** records MagShoe™3G unit measurements in addition to other critical data. Allows fast access and easy handling of large amounts of data.
- **Communication module:** enables communication with the MagShoe™3G units at remote sites. Supports different deployment and network configurations.
- **Data Processing module:** processes the information received from the remote MagShoe units and enables information exchange between all NMC component.

Unit ID	Status	Group	Session Start/End	Session Operator	Description
429999709	Online	2nd floor North	3/1/2009 12:00:00 AM	User1, User1	MagShoe unit version 3.1
3	Offline	2nd floor North	3/1/2009 12:04:42 AM	User1, User1	MagShoe unit version 3.1
4	Offline	2nd floor North	3/1/2009 12:00:00 AM	User1, User1	MagShoe unit version 3.1
6	Offline	2nd floor North	3/1/2009 12:00:00 AM	User1, User1	MagShoe unit version 3.1
7	Offline	2nd floor North	3/1/2009 12:00:00 AM	User1, User1	MagShoe unit version 3.1
8	Standby	2nd floor North			MagShoe unit version 3.1
10	Standby	2nd floor North			MagShoe unit version 3.1
11	Standby	2nd floor North			MagShoe unit version 3.1
12	Standby	2nd floor North			MagShoe unit version 3.1
13	Standby	2nd floor North			MagShoe unit version 3.1
14	Standby	2nd floor North			MagShoe unit version 3.1
15	Standby	2nd floor North			MagShoe unit version 3.1
16	Standby	2nd floor North			MagShoe unit version 3.1
17	Standby	2nd floor North			MagShoe unit version 3.1
18	Standby	2nd floor North			MagShoe unit version 3.1
19	Standby	2nd floor North			MagShoe unit version 3.1
20	Standby	2nd floor North			MagShoe unit version 3.1
22	Standby	2nd floor North			MagShoe unit version 3.1
24	Standby	2nd floor North			MagShoe unit version 3.1
25	Standby	2nd floor North			MagShoe unit version 3.1
26	Standby	2nd floor North			MagShoe unit version 3.1
27	Offline	2nd floor North			MagShoe unit version 3.1
28	Offline	2nd floor North			MagShoe unit version 3.1
29	Offline	2nd floor North			MagShoe unit version 3.1
30	Offline	2nd floor North			MagShoe unit version 3.1
31	Offline	2nd floor North			MagShoe unit version 3.1
32	Offline	2nd floor North			MagShoe unit version 3.1
33	Offline	2nd floor North			MagShoe unit version 3.1
35	Offline	2nd floor North			MagShoe unit version 3.1
36	Offline	2nd floor North			MagShoe unit version 3.1
37	Offline	2nd floor North			MagShoe unit version 3.1
38	Offline	2nd floor North			MagShoe unit version 3.1
39	Offline	2nd floor North			MagShoe unit version 3.1
40	Offline	2nd floor North			MagShoe unit version 3.1
41	Offline	2nd floor North			MagShoe unit version 3.1
42	Offline	2nd floor North			MagShoe unit version 3.1
43	Offline	2nd floor North			MagShoe unit version 3.1
44	Offline	2nd floor North			MagShoe unit version 3.1
45	Offline	2nd floor North			MagShoe unit version 3.1
46	Offline	2nd floor North			MagShoe unit version 3.1
47	Offline	2nd floor North			MagShoe unit version 3.1
48	Offline	2nd floor North			MagShoe unit version 3.1
49	Offline	2nd floor North			MagShoe unit version 3.1
50	Offline	2nd floor North			MagShoe unit version 3.1
51	Offline	2nd floor North			MagShoe unit version 3.1
52	Offline	2nd floor North			MagShoe unit version 3.1
53	Offline	2nd floor North			MagShoe unit version 3.1
54	Offline	2nd floor North			MagShoe unit version 3.1
55	Offline	2nd floor North			MagShoe unit version 3.1
56	Offline	2nd floor North			MagShoe unit version 3.1
57	Offline	2nd floor North			MagShoe unit version 3.1
58	Offline	2nd floor North			MagShoe unit version 3.1
59	Offline	2nd floor North			MagShoe unit version 3.1
60	Offline	2nd floor North			MagShoe unit version 3.1
61	Offline	2nd floor North			MagShoe unit version 3.1
62	Offline	2nd floor North			MagShoe unit version 3.1
63	Offline	2nd floor North			MagShoe unit version 3.1
64	Offline	2nd floor North			MagShoe unit version 3.1
65	Offline	2nd floor North			MagShoe unit version 3.1
66	Offline	2nd floor North			MagShoe unit version 3.1
67	Offline	2nd floor North			MagShoe unit version 3.1
68	Offline	2nd floor North			MagShoe unit version 3.1
69	Offline	2nd floor North			MagShoe unit version 3.1
70	Offline	2nd floor North			MagShoe unit version 3.1
71	Offline	2nd floor North			MagShoe unit version 3.1
72	Offline	2nd floor North			MagShoe unit version 3.1
73	Offline	2nd floor North			MagShoe unit version 3.1
74	Offline	2nd floor North			MagShoe unit version 3.1
75	Offline	2nd floor North			MagShoe unit version 3.1
76	Offline	2nd floor North			MagShoe unit version 3.1
77	Offline	2nd floor North			MagShoe unit version 3.1
78	Offline	2nd floor North			MagShoe unit version 3.1
79	Offline	2nd floor North			MagShoe unit version 3.1
80	Offline	2nd floor North			MagShoe unit version 3.1
81	Offline	2nd floor North			MagShoe unit version 3.1
82	Offline	2nd floor North			MagShoe unit version 3.1
83	Offline	2nd floor North			MagShoe unit version 3.1
84	Offline	2nd floor North			MagShoe unit version 3.1
85	Offline	2nd floor North			MagShoe unit version 3.1
86	Offline	2nd floor North			MagShoe unit version 3.1
87	Offline	2nd floor North			MagShoe unit version 3.1
88	Offline	2nd floor North			MagShoe unit version 3.1
89	Offline	2nd floor North			MagShoe unit version 3.1
90	Offline	2nd floor North			MagShoe unit version 3.1
91	Offline	2nd floor North			MagShoe unit version 3.1
92	Offline	2nd floor North			MagShoe unit version 3.1
93	Offline	2nd floor North			MagShoe unit version 3.1
94	Offline	2nd floor North			MagShoe unit version 3.1
95	Offline	2nd floor North			MagShoe unit version 3.1
96	Offline	2nd floor North			MagShoe unit version 3.1
97	Offline	2nd floor North			MagShoe unit version 3.1
98	Offline	2nd floor North			MagShoe unit version 3.1
99	Offline	2nd floor North			MagShoe unit version 3.1
100	Offline	2nd floor North			MagShoe unit version 3.1

MagShoe Units Communication Status Table View display



IDO Security Ltd.

20 Freiman Street, 4th ent, Rishon LeZion 75358, Israel
Tel. 972-3-952 3599 Fax: 972-3-952 3604
inquiries@idosgroup.com www.magshoe.net

IDO Security Inc.

17 State Street, 22nd Fl. New York, NY 10004, USA
Tel. 646-214 1234 Fax. 646-285 0026
inquiries@idosecurityinc.com www.idosecurityinc.com

MagShoe™ 3G Technical specifications

Subject	Model	Description
System	All	1 x Detection Unit - Ramp 1 x Control Panel 1 x Indication Light Tower (Optional) 1 x Power Supply 1 x Power Cord (5m standard) 1 x Control Panel Cable (5m standard)
Technology	All	Metal Detection
Method of inspection	All	Static
Detection height from sole	3G/2 3G/4	App. 20cm (7.9") App. 45cm (18.5")
Detection Zones	3G/2 3G/4	Single Zone Multi Zone
Shoe position detectors	All	Active IR sensors
Footprint size	All	Up to Size 50 (Europe) / 14 (US)
Scanning time	3G/2 3G/4	Under 3 sec./ scan Under 5 sec./ scan
Thresholds settings	All	Pre-set and Manual
Power supply	All	90-240VAC 50/60Hz
Power Consumption	All	19 Watt average
Backup Battery (Additional External Battery - optional)	All	12Vdc/2.9AH 4H rechargeable time Minimum 1.5 hours of normal operating time
Shipping Weight & Dimension	3G/2 3G/4	Total Shipping weight: 43 kg Dimension: 670 x 575 x 420 cm Total Shipping weight: 64 kg Dimension: 670 x 575 x 740 cm
Detection unit (Ramp) Net Weight	3G/2 3G/4	33 kg 49 kg
Ambient Operation Temperature	All	-10°C to +55°C (+14°F to +131°F)
Humidity	All	Up to 95% non condensation
Protection	All	IP20 (EN60529)

MagShoe M-100 - Standard Certifications

Subject	Description
Safety Standard	EN 60950-1 (Electrical safety)
EMC Standard	EN 61000-6-2 Part 6-2 (Immunity) EN 55011 Group 1 Class A (Emission) EN 300 30-2 (V.1.1.1) (Radio equipment)
CE Compliant	Yes
Other Standards	ICNIRP-International Commission on Non Ionizing Radiation Protection, TUV, UL, CE, FC,



3G/2



3G/4



IDO Security Ltd.

20 Freiman Street, 4th ent. Rishon LeZion 75358, Israel
Tel. 972-3-952 3599 Fax: 972-3-952 3604
inquiries@idosgroup.com www.magshoe.net

IDO Security Inc.

17 State Street, 22nd Fl. New York, NY 10004. USA
Tel. 646-214 1234 Fax. 646-285 0026
inquiries@idosecurityinc.com www.idosecurityinc.com