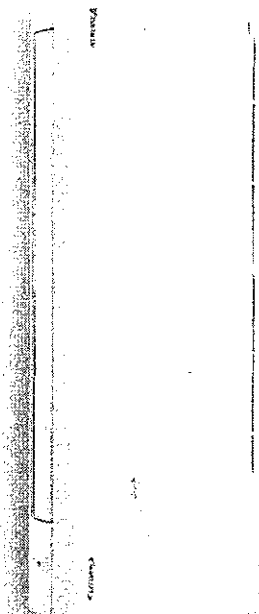


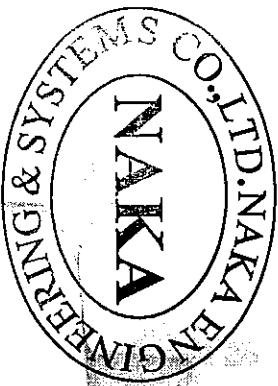
2019 New Product



Sabai II

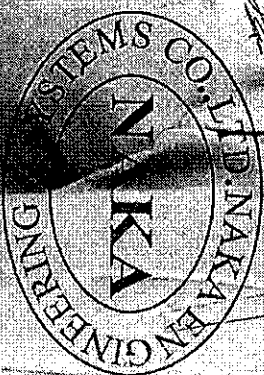
FTKQ INVERTER

อินเวอร์เตอร์
นุโพตถ โพนระชากร
ในราคาสบายใจ สบายกระเป๋ာ



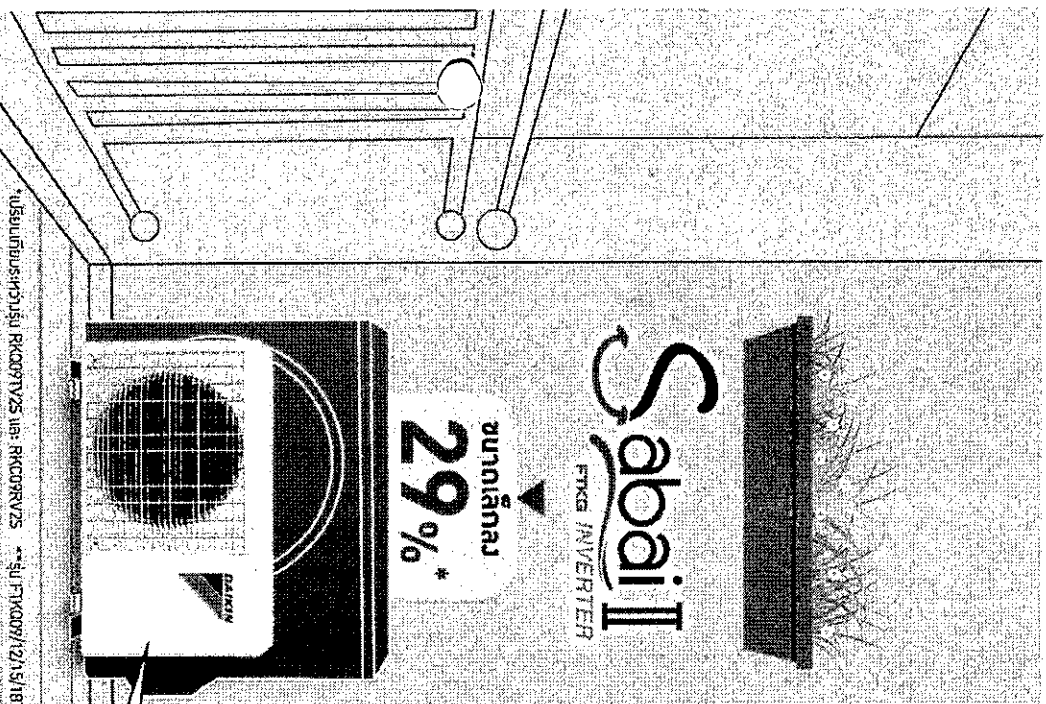
SABAI INVERTER II (FTKQ-T)

คุณกำลังมองหาประสิทธิภาพและความทนทานกับเครื่องปรับอากาศรุ่น SABAI INVERTER II ใช่คุณเป็นเจ้าของเครื่องปรับอากาศที่อินเวอร์เตอร์ คุณภาพขั้นสูงในราคาสบายกระเป๋า เช่นนี้เริ่มต้นที่กิจกรรมเพื่อเผยแพร่ความรู้เกี่ยวกับเทคโนโลยีไฟฟ้าหรือไฟฟ้า ยินดีต้อนรับสู่เว็บไซต์ด้วยผลิตภัณฑ์ของเรา พร้อมกับความเอาใจใส่ในผลิตภัณฑ์และบริการของคุณ



Signature

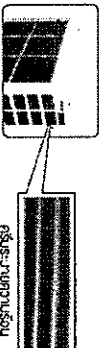
DAIKIN



เย็นเร็ว เย็นจัด แบบเติมбаты
พร้อมประหยัดพื้นที่ในการติดตั้ง**

ป้องกันการเกิดรอยก็แฉะระบายความร้อน

แผงคอยล์รอบทำจากท่อทองแดงพร้อมครีบบระบายความร้อนเคลือบชั้นอะครีลิกเรซินสีฟ้า ยับยั้งการเกิดรอย เพิ่มความทนทาน ใช้งานได้ยาวนาน



ครีบบระบายความร้อน



Compact Design

ขนาดกะทัดรัด

ชุดคอยล์รอบก็ใช้ใบพิเศษ ขนาดเล็กกว่ารุ่นทั่วไปถึง 29% ติดตั้งในที่แคบได้เพื่อเพิ่มพื้นที่การใช้สอย เหมาะสำหรับการออกแบบโดยนิยชม หรือบริเวณที่พื้นที่จำกัด

ขนาดชุดคอยล์รอบ (HxWxD)	9,000 BTU
Sabai Inverter II (RKCQ9TVZS)	418 x 695 x 244
Super Smile Inverter (RKCQ9RVZS)	550 x 656 x 275



Inverter Powerful

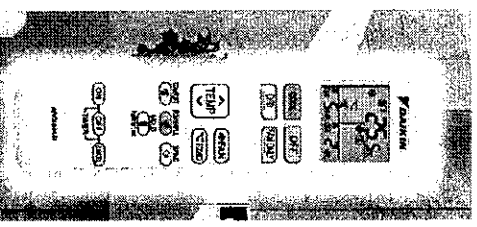
เย็นเร็ว ประหยัดพลังงาน

ประหยัดไฟด้วยระบบอินเวอร์เตอร์คอมเพรสเซอร์แบบสลับ สดการสูญเสียพลังงาน และใช้แรงด้วยไฟแบบ Powerful เร่งรอบคอมเพรสเซอร์ตัวละภายใน 20 นาทีแรก ลดอุณหภูมิห้องลงอย่างรวดเร็วเพื่อความสะดวก



Precise Control

- ปรับอุณหภูมิได้ละเอียด
- ทั่วถึงความเย็น
- ปรับอุณหภูมิได้ค่าที่แม่นยำขึ้น



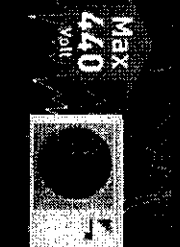
Signature

SUPER PCB
P70
TECHNOLOGY



五

5 YEARS
WARRANTY

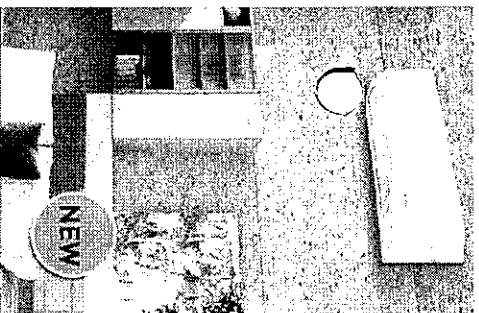


rupees, compared to the 440 Rupee contribution to the total of 1,000 Rupees.



ZENE

งานแข่งขันทักษะ 0.5 องศาเซลเซียส
รายปีล่าสุดได้มากกว่า
สุดถึง 16 องศาเซลเซียส เพื่อลดความเสียหาย



4.3

HI-PE Plus

ENHANCED WALK-THROUGH MULTI-ZONE METAL DETECTOR



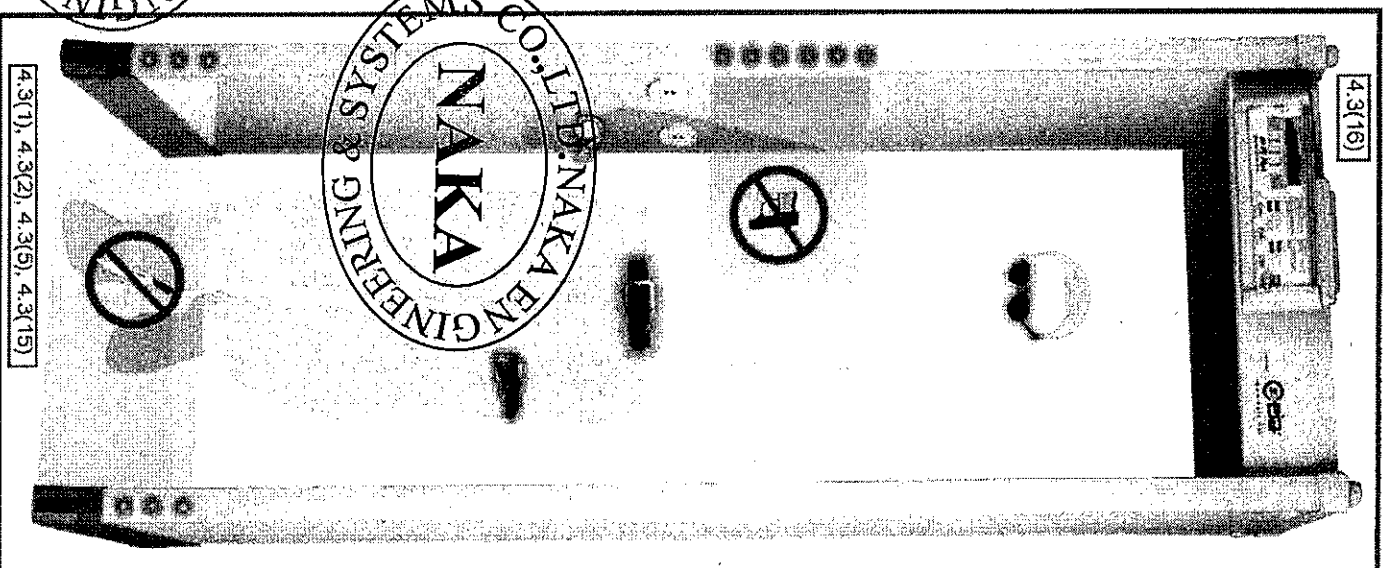
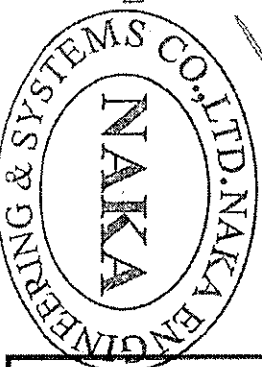
- Accurate Detection of magnetic, non-magnetic and mixed-alloy metal weapons

- 60 localization zones [4.3(4)]
- 20 vertical - 3 lateral

- High Discrimination and Throughput
- Compliant with and Certified to the Strictest Security Standards for weapons detection
- Exceptional Immunity to external interferences
- Unmatched Reliability
- Rapid Installation

Applications

- ☒ Government Buildings
- ☒ Industries [Security]
- ☒ Nuclear Facilities [Security]
- ☒ Prisons [visitors]
- ☒ Public Events
- ☒ Amusement Parks
- ☒ Courts
- ☒ Cruise ships
- ☒ Data Processing Centers [EDP]
- ☒ Hotels
- ☒ Schools Security



CEIA, An ISO 9001 Company

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Threat Detection through Electromagnetics

CEIA reserves the right to change the design of any product without notice. In the models the CEIA programming, these accessories and options to the price and conditions of sale.

154

Handwritten signature and initials.



HI-PE Plus Enhanced Multi-Zone Metal Detector

CEIA is proud to present the new HI-PE Plus Multi-Zone Metal Detector, a development of the well-established HI-PE model. Accurate detection of all metals, high level of discrimination, full compliance with the latest Security Standards and exceptional immunity to external interferences are among the main peculiarities of this new device.

4.3(7)

Features



- Capability to detect the full range of metal weapon threats even within body cavities

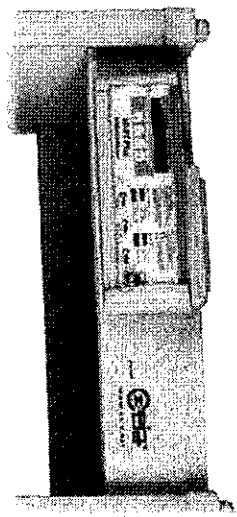
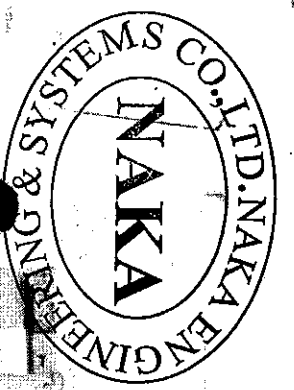
- Met-Identity technology for Identification of Threat Composition



The most advanced Security Standards require detection of all ferrous and non-ferrous metal weapons and of those constructed in special non-magnetic alloys. The HI-PE Plus detects firearms and knives of this type, even when they are hidden within body cavities, and accurately indicate the position of the threat, its intensity and its prevalent composition. Inspection personnel thereby acquire thorough knowledge of the metal item and can act, according to procedures, with maximum effectiveness and security.



- 60 pinpointing zones with high resolution & precision:
• 20 Vertical • 3 Lateral



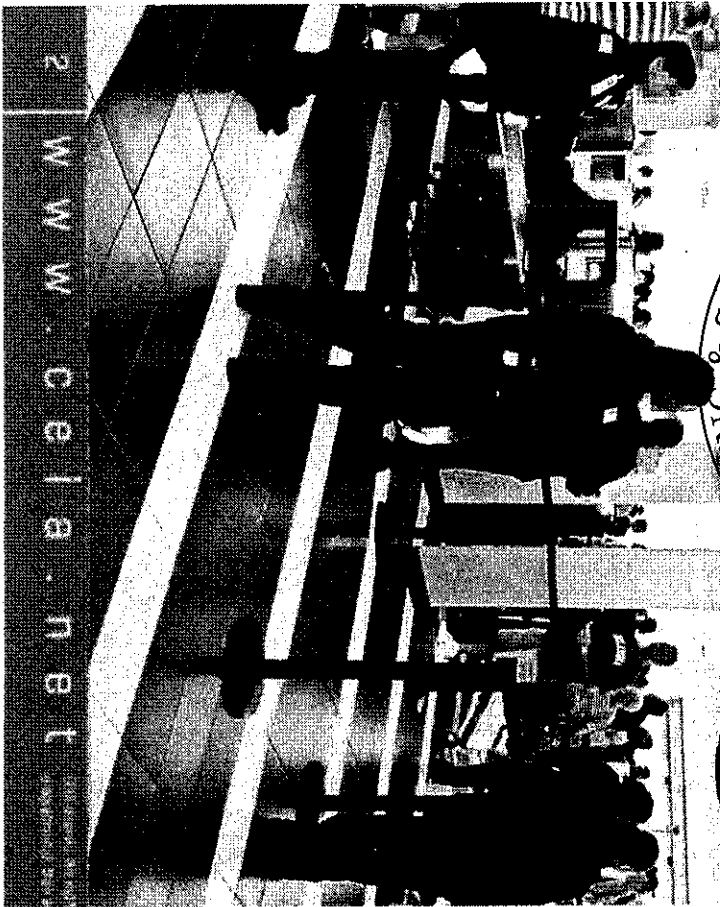
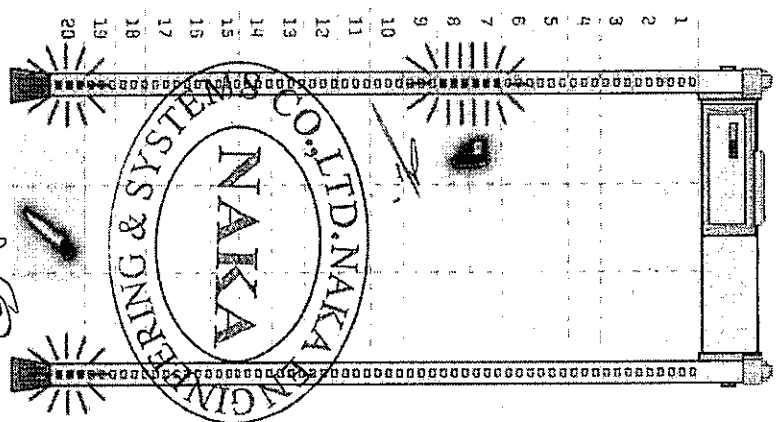
MET-IDENTITY TECHNOLOGY

With Met-Identity technology the HI-PE Plus allows you to know where, how much and what type of metal is being brought into the secure area.



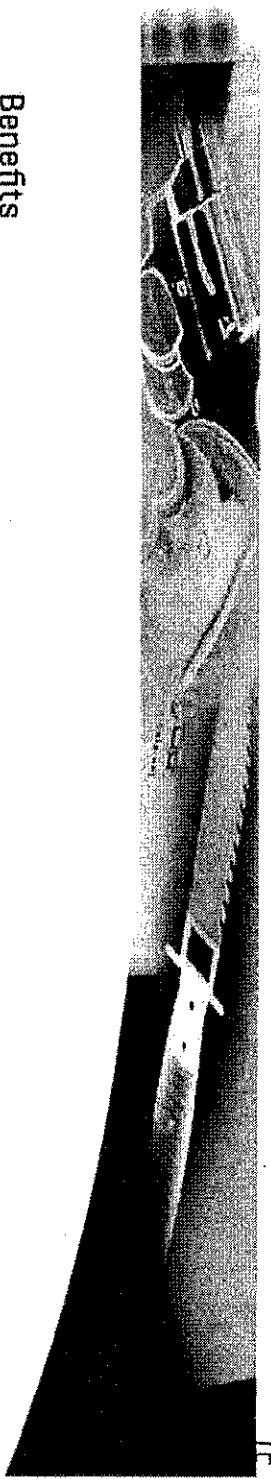
60 LOCALIZATION ZONES

With left, center and right indication



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Dr.



Benefits

- Cutting-edge discrimination technology allows personal effects to be ignored, creating rapid transit flow



The transit volume magnetic scanning system, invented by CEIA and applied since production of the first zonal Metal Detectors in 1986, allows state-of-the-art detection and discrimination results. The HI-PE Plus has a very low nuisance alarm rate even at the strictest Security Levels requested today, and therefore allows high transit flow rates and the minimum need for intervention by inspection



Unique Alarm Signalling



- 4 Multi-Zone Display Bars, each programmable as entry Stop/Go and/or local alarm indication
 - High visibility of the control unit and the zone indication independent from the operator position and the installation environment
- Accurate signaling is essential for best operation and flow management. The HI-PE Plus provides the user with fully-programmable signaling. Both entry-points can indicate with a high level of accuracy, even simultaneously, the vertical and lateral areas of transit of the threats detected, and can also be configured as 'traffic lights' to control transits through the detector.

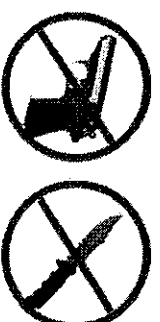


- Flexible Acoustic Alarm Signalling System:
 - ☒ 10 Continuous and Pulsed Tones
 - ☒ 34 Special Sounds
 - 10 Acoustic Intensity Levels
- A complete acoustic alarm system allows personalization of the alarm tones and intensities, with a wide choice of continuous, pulsed and special tones at different levels of intensity. The wide volume control dynamic allows operation even in very noisy environments.

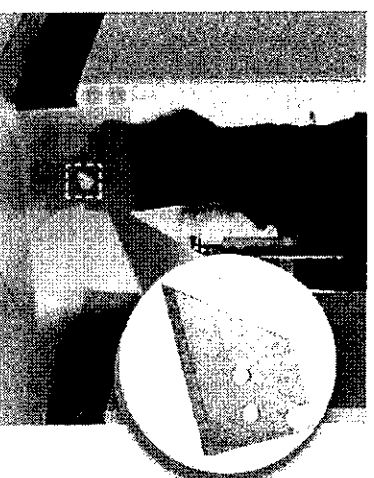
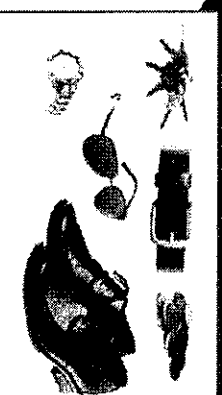


- High Precision Transit Counter:
 - ☒ In-Bound Transits
 - ☒ Out-Bound Transits
 - ☒ Alarm Rate
 - ☒ Automatic Compensation for repeated transits of the same person
- The Metal Detector provides an automatic count of the people passing through the access point in both directions and the related nuisance alarm percentage.

ALARM



NO ALARM



4 MULTI-ZONE DISPLAY BARS

Light bars indicate metal position vertically and laterally and can also show pacing lights.

HIGH PRECISION TRANSIT COUNTER

Two photo cells fitted into the archway allow counting of transits, alarms and percentage of alarms

4.3(10), 4.3(18)



92- On

10



- Up to 50 built-in Security Programs
- ☒ Up to 30 International Standards
- ☒ Up to 20 Customizable Levels

Setting the Security levels could not be as easy and more versatile than the health PEPIus users can choose directly from the known international Standards or request implementation of new Standard or personalized requirements. Users can also create their own work-program and save it in internal memory provided for the purpose.



- **Chip Card system for fast, simple and secure parameter changes** [i.e. alarm volume and tone, counter reading, etc...] and security level selection
- One unique characteristic of the CEIA Metal Detector is the chip-card system, which allows the Head of Security to seat the Security Level quickly, reliably and without having to program the device in any way.



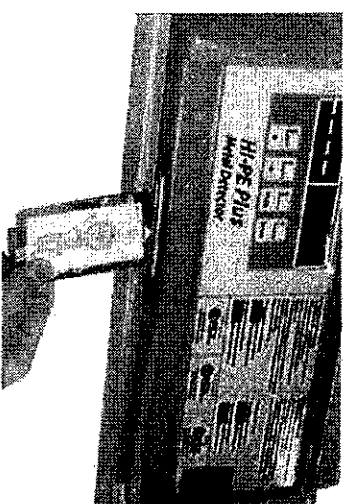
Rapid Installation

- Any security standard can be enhanced with selectable random alarm probability
- Installation**
- One touch guided automatic installation (OTS)
- Innovative function assisting the installation through an automatic step-by-step procedure
- Continuous self diagnostics assures monitored performance reliability
- 4.3(8)**



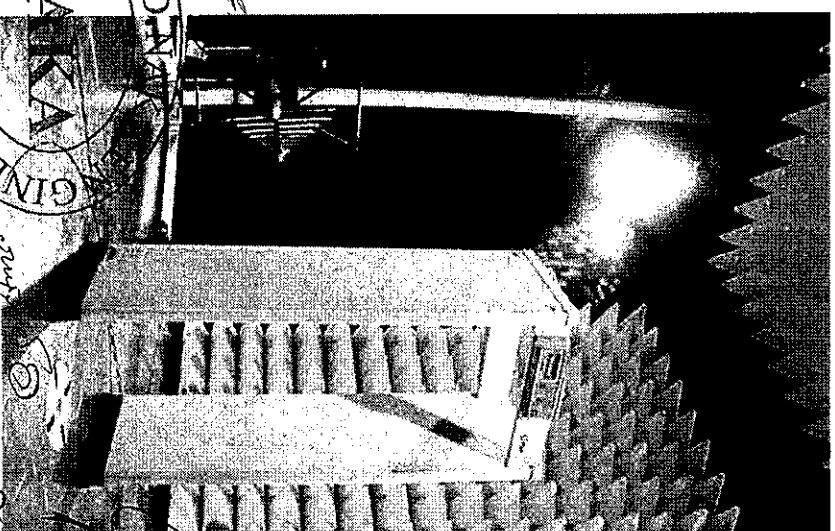
TYPE OF OPERATION	Ethernet	USB	Infrared	Bluetooth	RS-232C
Maintenance	○	○		■	■
Remote Control	○		■	■	
Remote Data collection	○				■

Communication Capabilities



 CHIP CARD SYSTEM

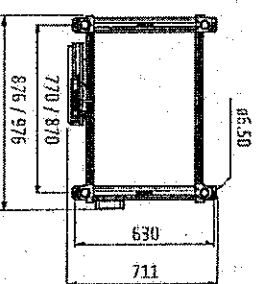
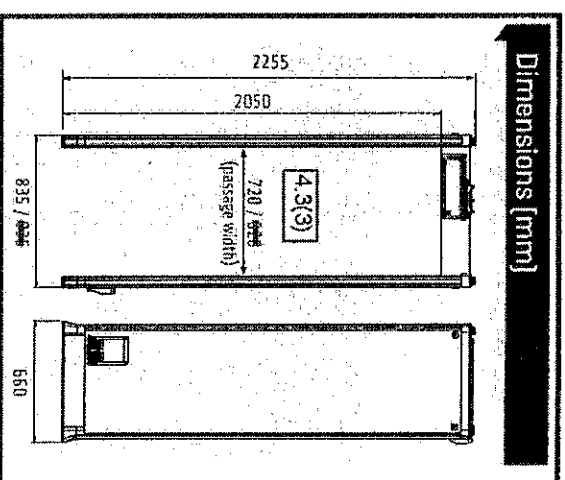
Chip Card for automatic selection of Security Levels and parameter changes.



Model Configuration

Features	HI-PE Plus/PZ
Compliant with the strictest detection and discrimination standards for EMDs (Enhanced Metal Detectors)	■
4 display bars each programmable as zone indicators and/or pacing lights	■
60 localization zones (20 vertical, 20 lateral, 10 left, center and right indications)	4.3(4) ■
Chip Card Reader	■
Bluetooth, Infrared and RS-232 communication	■
High precision transit counter	■
Programmable Random Alarm capability	■
3-Level Password and hardware key access protection	■
Met-Identify technology (separate Ferrous and Non-Ferrous alarm signaling)	■
One Touch Automatic Self Installation (OTS)	■
Automatic Operational Functional Verification (OFV)	■
Automatic Vibration Compensation (AVS, EVA)	■
Automatic Channel Search (CS)	■
Automatic Floor Gain Adjustment (FGA)	■
Automatic Technical Functional Verification (TFV)	■
Automatic Environmental Noise Compensation (ENA)	■
Powered by safe low voltage DC	■
Anti-tamper on/off switch	■
Integrated web-server & logger (includes Ethernet and USB interface)	○
Weather resistant protection	○
Anti-vandalism, anti-tampering protection	○
IP65 protection (includes weather resistant and anti-vandalism options)	○
Embedded battery charger and under-voltage protection	○
Long life crossbar battery back-up	○
820 mm useful passage width	○

■ STANDARD ○ OPTION



UNDER THE ALARM THRESHOLD

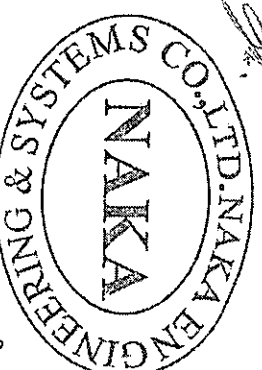
Small metal mass
Medium metal mass

OVER THE ALARM THRESHOLD

Medium metal mass
Large metal mass

Green and Red Metering Signals
Proportional to the Metal Mass

4.3(5)

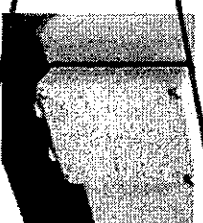
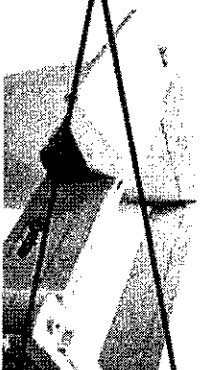


HI-PE Plus Enhanced Multi-Zone Metal Detector

Options / Upgrade Kits

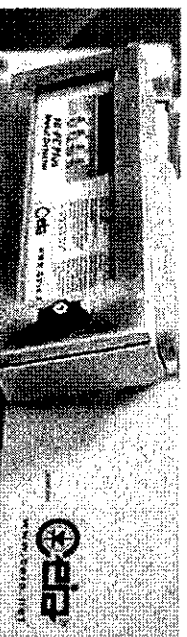
> Weather Resistant Protection

- Kit for upgrading the standard version to outdoor applications according to IEC 60950-2-2; this kit includes shelters, crossbars, protection covers for power supply and IP67 mains power supply adapter.
- 720 mm passage width (part # 55630)
 - 820 mm passage width (part # 55633)



> Anti-vandalism, Anti-tampering Protection

This option includes stainless steel control unit, IP67 mains power supply adapter, protection covers for power supply and antenna connection compartments, equipped with screws requiring tools for removal. Part # 55629



> IP65 Protection

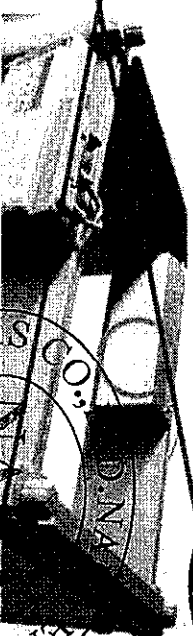
- This option includes the Weather Resistant and Anti-vandalism kits.
- 720 mm passage width (part # 55631);
 - 820 mm passage width (part # 55633)

820 mm Shelter Passage Width
Part # 55635



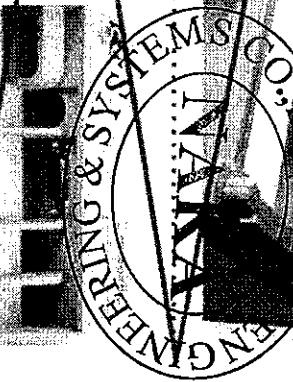
> Long life crossbar battery back-up

Crossbar battery back-up in stainless steel case. Provides up to 8 hours of autonomous working time.
Part # 55681



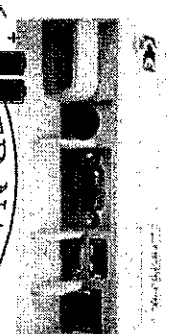
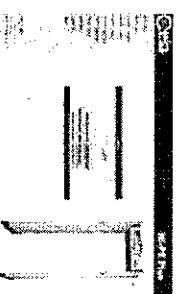
> Embedded Battery Charger and Under-voltage Protection

Anti-tamper on/off switch, RS-232 interface, battery charger with 12 hours mains disconnection diagnostic alarm.
Part # APSM2Plus/P



> Integrated Web-server, logger, Battery Back-up and Charger

- Anti-tamper on/off switch, RS-232, USB, 10/100 baseT Ethernet interface,
- data logger real time clock, integrated web-server, transmission status, data analysis, 20 internal battery back-up with 12 hours mains disconnection diagnostic alarm.
- 4.3(17), 4.3(19)
- Part # APSM2Plus/P



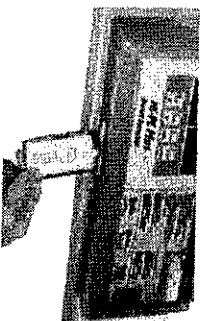
เครื่องภายใน x มาพร้อมกับกล่องบรรจุภัณฑ์



Accessories

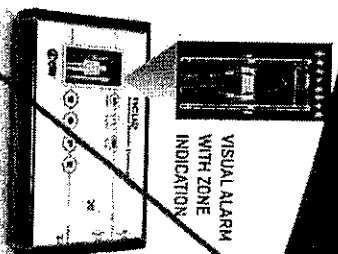
➤ Chip Cards

Chip cards for simple and secure selection of Security Levels and parameter settings. List of chip-cards available on request.



➤ RCU2

Control unit for full remote access, including alarm signalling and programming of CEIA Walk Through Metal Detectors (part # RCU2). The connection is performed via bluetooth (standard) or via cable connection (part # 3618).



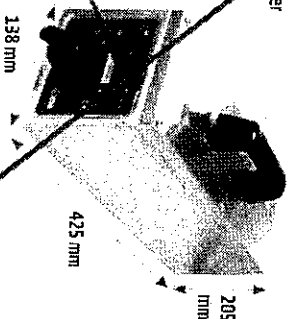
VISUAL ALARM
WITH ZONE
INDICATION

➤ MBSU-2

Independent, compact size, long life power supply in weatherproof stainless steel case, with embedded fast charger:

- 14 hours typical (10 hours minimum) continuous operation with HI-PE Plus
- 5 hours typical charging time.

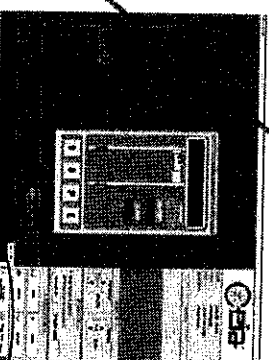
Part # MBSU-2



➤ MD-Scope

Powerful, PC based installation and service software. Includes oscilloscope and terminal functionality (part # MD-SCOPE2).

The connection is performed via bluetooth (standard) or via cable connection (part # 3805).



➤ IRC-1

Infrared Remote Controller for wireless remote programming of the control unit.
Part # 47180

➤ Upper Connection Module

This extension cable allows the connection of power supply and serial communication to personal computers or CEIA accessories, such as RCU-2. Part # 46550

➤ RRU

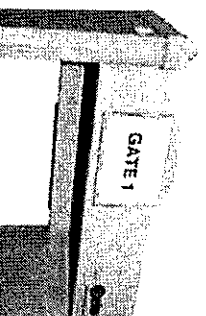
Remote relay unit (RRU) to repeat the detection alarms of the gate through a relay contact. The RRU module can be used for integration of the Metal Detector in interlocked door systems. Part # RRU

➤ IP67 Mains Power Supply

100W IP67 power supply for heavy duty applications. Vandal resistant. It is provided with flanges for simple installation.
Part # 43564

➤ ID-Holder

This accessory is designed to be hung on a crossbar of the archway, either at the entrance or the exit side. It can hold, for instance, a notice or an ID number for waiting people or for the screener.
Part # 54095



➤ Metal Detector Divesting Table FOR MANAGEMENT OF PERSONAL METAL BELONGINGS

- Standard length: 610 mm (Part # 18074)
- Extended length: 1200 mm (Part # 39491)

➤ Stainless Steel Deck Dolly

FOR LOCAL MOVING OF THE PANEL METAL DETECTOR GATE

- Robust construction in AISI 316L stainless steel
- Rubber-covered castor-type wheels for easy movement
- Incorporated handles for transport (available only for 720 mm useful passage width: part # 50789)

➤ Test Samples Kit

Reference Samples for accurate verification of the Security Level. Includes guided procedures and certificate of calibration.

- Part # EMD-SK-CAL
- Part # EMD-SK-GDM

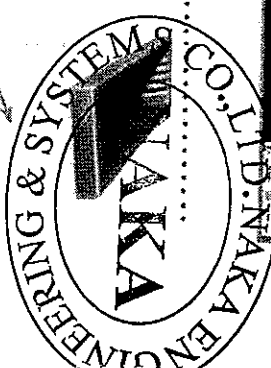
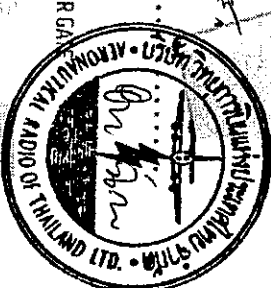
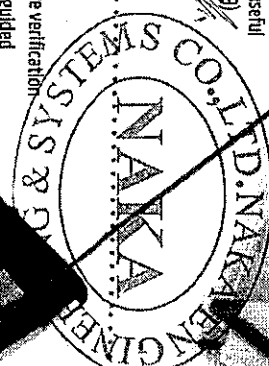
เครื่องทาสี X อุปกรณ์การประจุแบตเตอรี่

CEIA reserves the right to make changes, without notice and without liability, to its products (including programming) and accessories and options, to the extent not in violation of law.

W W W . C e i a . n e t

signature

Dr.



20

1/2 cutter	Automatic Environmental Noise Compensation (ENA)
------------	--

Environmental Data

- **POWER SUPPLY:** 100-240V, 30/45%
(A7, G3H, ADA, YMA)
- **OPERATING TEMPERATURE:** 4.3(11)
(20°C to 52°C)
- **STORAGE TEMPERATURE:**
(-37°C to 70°C)
- **RELATIVE HUMIDITY:** 10 to 95%
(Noncondensation)

Certification and Compliance

- Compliant with and certified to the applicable Standards for Enhanced Metal Detectors (EMD)
- Compliant with the applicable electromagnetic Standards on Human Exposure and Patenaker Safety
- Compliant with all Airport Security Standards worldwide
- Compliant with applicable International Standards for electrical safety and EMC
- Harmless to magnetic media (CD, tapes, etc.)

Comprehensive support

CEIA PROVIDES FULL OPERATIONAL AND TECHNICAL TRAINING SUPPORT BY CERTIFIED PERSONNEL EITHER AT CEIA FACILITY OR AT CUSTOMER PREMISES

- phone technical support
- in-house and on-site repair/services
- standard and custom training



Environmental Data

- ## Certification and Compliance

Certification and Compliance

- Comprehensive support**

Comprehensive support

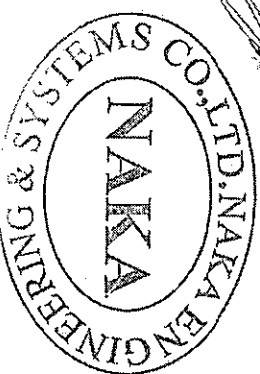
CEIA PROVIDES FULL OPERATIONAL AND TECHNICAL TRAINING SUPPORT BY CERTIFIED PERSONNEL EITHER AT CEIA FACILITY OR AT CUSTOMER PREMISES

- phone technical support
- in-house and on-site repair/services
- standard and custom training



Local by Control Unit alphanumeric display and keyboard
Programming and chip card access protected by user and super-user passwords
Very high discrimination and transit flow rates five or more times greater than other metal detection systems
Quick reset time as short as 0.2 seconds for high throughput rate
Very high detection speed (up to 15 m/sec.)
Built-in operational functional verification
One-touch key reading of inbound, outbound and Security Level Data
Automatic synchronisation between two or more metal detectors with distance of down to 5 cm without the use of external cables

Automatic installation function (ORS)



เครื่องหมาย X นอกเหนือการปัสสาวะครั้งแรก

Zona Industriale 54/6, 52041 Vicolanigo - Arezzo (Italy)
Tel.: +39 0575 4181 Fax: +39 0575 41838 A-M-Info@acuiti@esa-spa.com

EQ

W W W . F I B O R S E

the environment and adjust rolls to the needs of the market. In the past, and contrary to the needs and requirements of the market, the rolls were produced in the same way, regardless of the type of material and the type of application. The new rolls are designed to meet the needs of the market and to provide the best possible results for the user.

REF ID: A66051

ACCREDITED TESTING LABORATORY FOR ELECTROMAGNETIC FIELDS

Based on the measurement results and assessments presented in

TEST REPORT EMV-E 82/14 (2014-11-12) and EXPERT OPINION EMV-E 83/14 (2014-11-12)

it can be stated that the investigated device, Walk Through Metal Detector model

HI-PE Plus

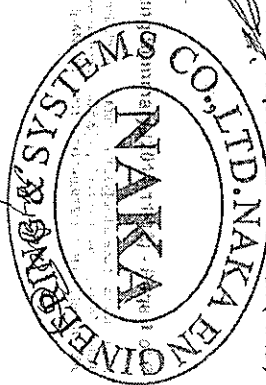
manufactured by CEIA S.p.A, Costruzioni Elettroniche Industriali- Automatismi,
Zona Industriale Viciomaggio 54/G – 56; I-52041 Viciomaggio - Arezzo, Italy

fulfills the requirements regarding personal safety in electromagnetic fields according to the given standards and limits listed below for all the investigated PO-settings (364LO; 50364; IEEE; ACGIH):

Document/Limit	PO-Setting			
	364LO	50364	IEEE	ACGIH
EC-Rec. 1999/519/EC ^{a)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT
EC-Directive 2013/35/EC ^{b)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT
EN 50364:2010 ^{c)} and EN 62369-1:2009 ^{d)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT
EN 62311:2008 ^{e)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT
EN 50499:2008 ^{f)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT
ICNIRP Guidelines 1998 ^{g)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT
ICNIRP Guidelines 2010 ^{h)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT
IEEE C95.6-2002 ⁱ⁾ IEEE C95.1-2005 ^{j)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT
IEEE C95.3-2002 ^{k)} and IEEE C95.3.1-2010 ^{l)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT
ACGIH 2012 ^{m)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT
EN 50527-1:2010 ⁿ⁾ and EN 50527-2-1:2010 ^{o)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT
RPB-SC-18 - 1976 ^{p)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT
Nbs Special Publication 500.101 ^{q)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT
The national archives.org (UK) ^{r)}	COMPLIANT	COMPLIANT	COMPLIANT	COMPLIANT

1 – Standards / Limits on Human Exposure to Electromagnetic fields:

- European Council Recommendation 1999/519/EC on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz), 12. July 1999;
- European Directive 2013/35/EU on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents (electromagnetic fields), 26. June, 2013;
- EN 50364:2010, Limitation of human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications;



HI-PE Plus Compliance Testing

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- d) EN 62369-1:2009 Evaluation of human exposure to electromagnetic fields from short range devices (SRDs) in various applications over the frequency range 0 GHz to 300 GHz - Part 1: Fields produced by devices used for electronic article surveillance, radio frequency identification and similar systems;
- e) EN 62311:2008, Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz);
- f) EN 50499:2008, Procedure for the assessment of the exposure of workers to electromagnetic fields;
- g) ICNIRP Guidelines 1998, Guidelines For Limiting Exposure To Time-Varying Electric, Magnetic, And Electromagnetic Fields (Up To 300 GHz)", International Commission on Non-Ionizing Radiation Protection, Health Phys. 1998 April, Vol.74, No.4, 494-522;
- h) ICNIRP Guidelines 2010, Guidelines for limiting exposure to time-varying electric and magnetic fields (1 Hz to 100 kHz), International Commission on Non-Ionizing Radiation Protection, Health Physics, Vol. 99:818-836 ;
- i) IEEE C95.6-2002, IEEE Standard for Safety Levels With Respect to Human Exposure to Electromagnetic Fields, 0-3 kHz;
- j) IEEE C95.1-2005, IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz;
- k) IEEE C95.3-2002, IEEE Recommended Practice for Measurements and Computations of Radio Frequency Electromagnetic Fields With Respect to Human Exposure to Such Fields, 100 kHz-300 GHz;
- l) IEEE C95.3.1-2010, Recommended practice for measurements and computations of electric, magnetic, and electromagnetic fields with respect to human exposure to such fields, 0 Hz to 100 kHz;
- m) ACGIH, 2012 Threshold Limit Value (TLV) for 'Sub-Radiofrequency (30 kHz and below) Magnetic Fields'.

2 - Standards / Limits on Immunity for carriers of Implantable medical devices:

- n) EN 50527-1:2010, Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implantable medical devices - Part 1: General;
- o) EN 50527-2-1:2011, Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implantable medical devices - Part 2-1: Specific assessment for workers with cardiac pacemakers [43(12)]
- p) RPB-SC18, 1976: Recommended safety procedures for the selection, installation and use of active metal detectors, Health Canada;

3 - Standards / Limits on Immunity for Magnetic media:

- q) Nbs Special Publication 500.101 - Care and handling of computer magnetic storage media;
- r) Care, Handling and Storage of Removable Media (Section 4) - The national archives.org (UK).

Note: The device does not produce nor emit any ultraviolet, ionizing, microwave and laser radiation.

Date: 2014-11-12

Expert:

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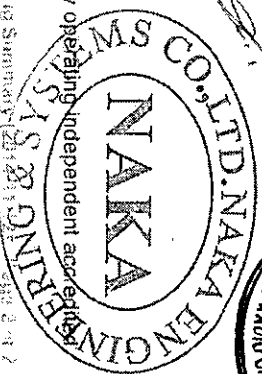
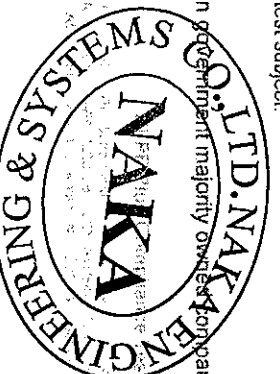
Authorized Signature:

[Handwritten signature]



Comment: The test results refer exclusively to the test subject.

Seibersdorf Laboratories GmbH is an Austrian government majority owned company operating independent accredited testing laboratories



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43(13)

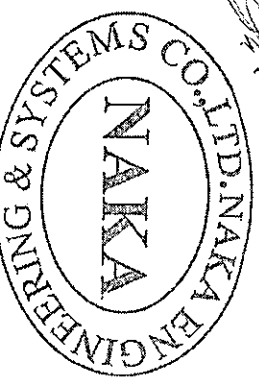
FEDERAL AVIATION ADMINISTRATION
SECURITY DIVISION
FOR VAWT THROUGH METAL DETECTORS
MEETING THE REQUIREMENTS
TEST PROCEDURE

NAME	ADDRESS	PHONE	MODEL	LEAD MODEL FOR AVIATION
Mr. John Stone, Director of Quality & Customer Support	EG&G Astrophysics Research Corporation P.O. Box 22709 Long Beach, CA 90801-5709	(310) 513-1411	Sentinel LC, HS-4 & ARC-1	Sentinel AT & HS-4W
Mr. James Hurst, Technical Manager	Garrett Security Systems Inc. 1881 West State Street Garland, TX 75042	(800) 234-8151	Magna Scanner 2000, 3000 & MT 5500	Magna Scanner 1000 & CS-5000
Mr. Mel Schwartz, General Manager	Infinitics, Inc. P.O. Box 2330 Wilmington, DE 19802	(302) 858-2471	Friskern 500	Friskern 700
Mr. Michael Thompson, Vice President	Metorex Inc. (Formerly Outokumpu Electronics Inc.) 880 Town Center Drive PO Box L1068 Langhorne, PA 19047	(215) 741-4482	Metor 118	Metor 120, 160 & 200
Mr. Tom Schivner, President	Ranger Security Detectors, Inc. 10001 Carnegie St. El Paso, TX 79925-1505	(915) 580-4441	Intelliscan 3000 & 8000	Intelliscan 12000 & 9000
Mr. Scott Dennison Director	CEIA-USA 9177 Dutton Dr. Twinsburg, OH 44087	(330) 405-3186	CEIA 02PN6/HCO, 02PN8/H500, CEIA 02PN8/H0 & PMD1	CEIA 02PN10, 02PN8/HI-PE & PMD2
Mr. James W. Gocke, Vice President	SIRCHIE 5825 Triangle Drive Raleigh, NC 27613	(919) 781-3120	SIRCHIE SMD2000HD, SMD3000, SMD4000 & SMD5000	SIRCHIE SMD2000W
Mr. Dennis Cunningham, Product Manager	Control Screening, Federal Labs Division 234 Industrial Parkway Northvale, NJ 07647	(412) 837-5411	Model 7000, 8000 & 6090	Model 9000
Mr. Phil Wachter, Vice President of Sales & Marketing	Rapiscan Security Products Inc. 2830 Temple Avenue Long Beach, CA 90806	(310) 427-0515	AMD 700	AMD 750

FOR FURTHER INFORMATION CONCERNING THIS LIST
CONTACT MS. ELIZABETH BUTLER OF THE FAA ON

(202) 493-4289

9/3/97



94.
amphed
Mr. On

4.3(14)

DECLARATION OF CONFORMITY CE/UE

DECLARATION DE CONFORMITE CE/UE KONFORMITÄTSERLÄRUNG CE/UE
DECLARACION DE CONFORMIDAD CE/UE DICHIARAZIONE DI CONFORMITA' CE/UE

This declaration of conformity is issued under the sole responsibility of the manufacturer / La présente déclaration de conformité est établie sous la seule responsabilité du fabricant / Die alleinige Verantwortung für die Konformitätserklärung trägt der Hersteller / La presente declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante / La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante

Manufacturer:

CEIA S.p.A.
Zona Industriale Vicomaggio 54/G-56 52041 Vicomaggio
Arezzo – ITALY

Fabricant / Hersteller / Fabricante / Construttore:

Declares that the product

déclare que ce produit / erklärt, daß das Produkt / dichiara che il prodotto:

Product name: Walk-Through Metal Detector

Nom du produit: / Produktname: Détecteur de Métaux / Elektronischer Metaldetektor
Nombre del producto: / Nome: Detectores de metales / Metal Detector Elettronico

Model: HIPEPLUS/PZ

Serie / Serie / Serie / Modello:

Product Options: This declaration covers all options

Options / options: Cette déclaration est valide pour toutes les options / Diese Erklärung ist gültig für alle options
Opciones / opzioni: Este declaración es válida para todas las opciones / Questa dichiarazione è valida per tutte le opzioni

conforms to the following Product Specifications

est conforme aux spécifications suivantes / folgenden Produktspezifikationen entspricht
es conforme a las siguientes especificaciones / è conforme alle seguenti specifiche di prodotto:

Safety / Sécurité / Sicherheit / Seguridad / Sicurezza:

EN 61010-1:2010 Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements
EN 50364-2:2010 Limitation of human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications

This product complies with the requirements of the Low Voltage Directive 2006/95/EC.

Le produit ci-dessus répond aux exigences de la Directive 2006/95/CE concernant la basse tension.

Dieses Produkt entspricht den Anforderungen an Niederspannungsgeräte gemäß der Norm 2006/95/EG

El producto indicado cumple los requisitos de la Low Voltage Directive 2006/95/CE.

Il prodotto è conforme alle norme della direttiva 2006/95/CE sulla bassa tensione.

EMC 4.3(14)

EN 61000-6-1:2007 Electromagnetic compatibility (EMC) — Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments
EN 61000-6-3:2007 Electromagnetic compatibility (EMC) — Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments

This product complies with the requirements of the EMC Directive 2004/108/EC.

Le produit ci-dessus répond aux exigences de la Directive 2004/108/CE concernant les interférences électromagnétiques.

Dieses Produkt entspricht den Anforderungen der EMC-Norm 2004/108/EG.

El producto indicado cumple los requisitos de la Directiva EMC 2004/108/CE.

Il prodotto è conforme alle norme della direttiva EMC 2004/108/CE.

Last two digits of the year in which the CE marking was affixed: 14

Les deux derniers chiffres de l'année d'apposition du marquage CE: 14

Die beiden letzten Ziffern des Jahres, in dem die CE-Kennzeichnung angebracht wurde: 14

Las dos últimas cifras del año de colocación del marcado CE: 14

Ultima due cifre dell'anno in cui è stata affissa la marcatura CE: 14

Signed for and on behalf of: / Signé par et au nom de: / Unterzeichnet für und im Namen von:

Firmado por y en nombre de: / Firmato in vece e per conto di:

CEIA S.p.A. Zona Industriale Vicomaggio 54/G-56 52041 Vicomaggio Arezzo – ITALY



Arezzo, 2014-01-07

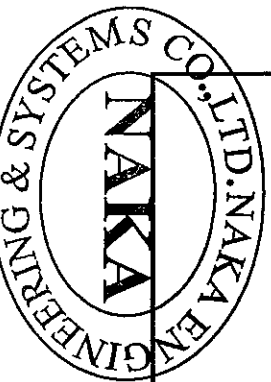
Person in charge Lab. EMC

Resp. Laboratorio EMC / Verantwortlicher für EMC-Labor

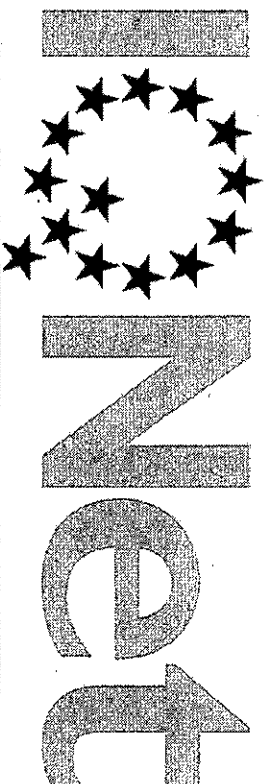
Resp. Laboratorio EMC / Resp. Lab. EMC

Ing. Enrico Sorini

Enrico Sorini



Mod. PD401-0012rev0



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CISQ/IMG has issued an IONet recognized certificate that the organization:

C.E.I.A. SPA

VIA STRADA PROVINCIALE PESCAIOLO 54/G-56 - 52041 VICIOMAGGIO (AR)

has implemented and maintains a
Quality Management System
for the following scope:

Design, manufacture and service of: Metal detectors and electromagnetic inspection and control systems for food, pharmaceutical, textile and mining industry and for security and ground search applications; Electronic generators and relevant industry control systems for induction heating applications; Collision avoidance radars

Further clarifications regarding the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization

which fulfills the requirements of the following standard:

ISO 9001:2015

4.3(14)

Issued on: **2018-09-24**

Expires on: **2021-09-24**

This attestation is directly linked to the IONet Partner's original certificate
and shall not be used as a stand-alone document

Registration Number: IT - 8097



Alex Stoichitov

President of IONET

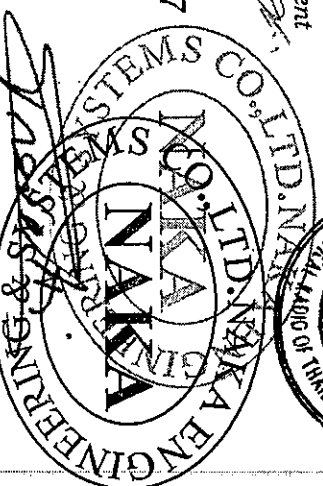


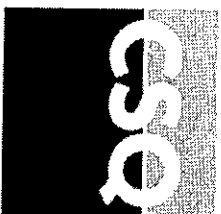
Ing. Claudio Provetti
President of CISQ

IONet Partners*:

AENOR Spain AFNOR Certification France APCER Portugal CCC Cyprus CISQ Italy
CQC China CQM China CQS Czech Republic Cto Cert Croatia DQS Holding GmbH Germany FCAV Brazil
FONDONORMA Venezuela ICONTEC Colombia Inspecta Serfionti Oy Finland INTECO Costa Rica
IRAM Argentina IQA Japan KIFQ Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland
NYCE-SIGE Mexico PCBC Poland Quality Austria Austria R.R. Russia SH Israel SIQ Slovenia
SIRIM QAS International Malaysia SGS Switzerland SRAC Romania TST St Petersburg Russia TSE Turkey YUQS Serbia
IONet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

* The list of IONet partners is valid at the time of issue of this certificate. Updated information is available under www.ionet-certification.com





www.lmq.it

CISQ is a member of
IONet
 THE INTERNATIONAL CERTIFICATION NETWORK
 www.lqnet-certification.com
 IONet, the association of the world's first class certification bodies, is the largest provider of management system certification in the world.
 IONet is composed of more than 30 bodies and counts over 150 subsidiaries all over the globe.

CERTIFICATO N. 9115.CEI3 CERTIFICATE N.

SI CERTIFICA CHE IL SISTEMA QUALITA' DI
 WE HEREBY CERTIFY THAT THE QUALITY SYSTEM OPERATED BY

C.E.I.A. SPA

VIA STRADA PROVINCIALE PESCAIOLO 54/G-56 - 52041 VICIOMAGGIO (AR)
 UNITA' OPERATIVE / OPERATIVE UNITS

VIA STRADA PROVINCIALE PESCAIOLO 54/G-56 - 52041 VICIOMAGGIO (AR)
 E' CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD

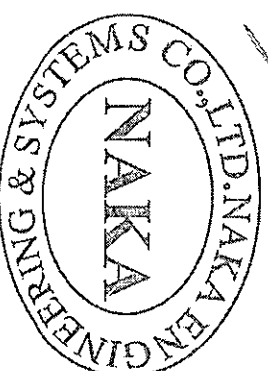
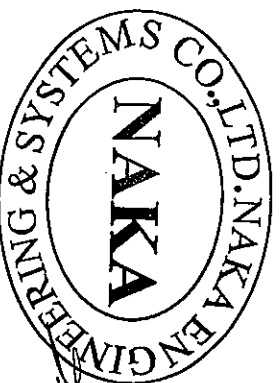
ISO 9001:2015

PER LE SEGUENTI ATTIVITA' / FOR THE FOLLOWING ACTIVITIES

Progettazione, produzione e assistenza di: Metal detector e sistemi elettromagnetici di ispezione e controllo per il settore alimentare, farmaceutico, tessile, minerario e per applicazioni per la sicurezza e per la prospezione del sottosuolo; Generatori elettronici e relativi sistemi di controllo per processi di riscaldamento ad induzione; Radar telemetrici anticollisione per carriponte
 Design, manufacture and service of: Metal detectors and electromagnetic inspection and control systems for food, pharmaceutical, textile and mining industry and for security and ground search applications; Electronic generators and relevant control systems for induction heating applications; Collision avoidance radars for installation in industrial crane bridges

Ulteriori informazioni riguardanti l'applicabilità dei requisiti ISO 9001:2015 possono essere ottenute consultando l'organizzazione
 Further clarifications regarding the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization

IL PRESENTE CERTIFICATO E SOGGETTO AL RISPETTO DEL REGOLAMENTO PER LA CERTIFICAZIONE DEI SISTEMI DI GESTIONE THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE REQUIREMENTS OF THE RULES FOR CERTIFICATION OF MANAGEMENT SYSTEMS			
DATE:	PRIMA CERTIFICAZIONE FIRST CERTIFICATION	EMISSIONE CORRENTE CURRENT ISSUE	SCADENZA EXPIRY
	1996-11-15	2018-09-24	2021-09-24



IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO ITALY
 Management Systems Division - Flavio Orsago

IAF: 19



SGQ N° 005 A

Management System Certification
 Accredited by IAF and ILAC
 Accredited by IAF and ILAC

LA VALIDITA' del certificato è subordinata a sorveglianza biennale e revisione completa
 The validity of the certificate is subordinate to biennial surveillance and full reassessment
 after every Management System audit every year

Organismo di Certificazione Federaio CISQ
 www.lmq.it

CISQ è la Federazione Italiana di Organismi di
 Certificazione dei sistemi di gestione aziendale.
 CISQ is the Italian Federation of management
 system Certification bodies.

www.cisq.com



COSTRUZIONI ELETTRONICHE INDUSTRIALI - AUTOMATISMI
ZONA INDUSTRIALE, 54/56 - 52041 VICIDMAGGIO (Arezzo) - ITALY

SECURITY METAL DETECTORS DEPARTMENT

TEL. +39 0575 4181 • FAX +39 0575 418298 • www.ceia.net

C.E.I.A. S.p.A. - 52041 VICIDMAGGIO (Arezzo) - Italy

Date: 04/05/2018

To Whom it may concern

DECLARATION OF COMPLIANCE

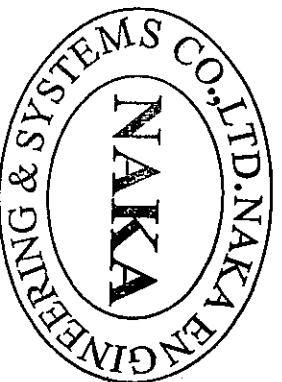
Subject: **Walk-Through Metal Detector brand CEIA, model HI-PE PLUS,**
Declaration of compliance to the NILECJ-STD-0601.00 and NIJ Standard
0601.02 **4.3(14)**

Dear Sir,

We, CEIA Costruzioni Elettroniche Industriali Automatismi SpA (CEIA SpA), whose headquarters is located at Zona Industriale, 54/56 - 52041 Vicidmaggio (Arezzo) - Italy, manufacturer of the Walk-Through Metal Detectors brand CEIA, model HI-PE PLUS confirm that the above mentioned Metal Detector is fully compliant to the:

- NILECJ-STD-0601.00 standard for all the security levels (from 1 to 5);
- "Large Objects size class" and "Medium Object size class" security levels of the NIJ Standard 0601.02.

Your faithfully,



AREA SALES MANAGER
SECURITY-SCREENING EQUIPMENT
Ing. Stefano Fabbroni



Note: This declaration will be valid one year from its date of issuing



CEIA S.p.A. - LACE Dept
LABORATORY OF ELECTROMAGNETIC COMPATIBILITY

CEIA S.p.A. - HIGHLY QUALIFIED EXTERNAL LABORATORY
Recognised by Decree of the Italian Min. of University and Scientific Research (Gazz. Uff. 22/12/1994)



UNI EN ISO 9001 CERTIFIED
CSA CERTIFICATE NO.115 C13



Strategic
Partner

ing. Stefano Fabbroni

4.3(20)



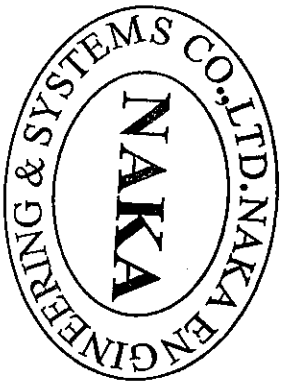
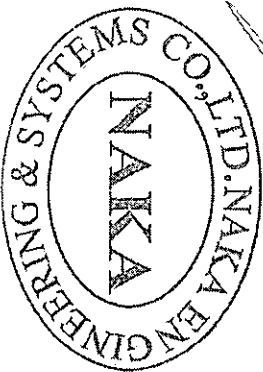
METAL DETECT

SUPPORT LINE FOR INS
EVALUATION AND MANAGE
DETECTORS

LINEE DE SUPPORT POUR L'INS
EVALUATION ET LA GESTION D
CELA

LINEA DI SUPPORTO PER
CAUBRACIONE, LA VALUTAZIONE
DETECTORI CELA

LINEA DE APOYO PARA LA MSB
LA EVACUACION Y LA GESTION
METALES CELA



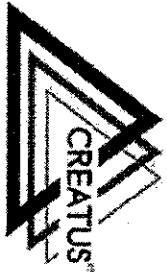
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บริษัท ตรีออดุส คอร์ปอเรชั่น จำกัด
CREATUS CORPORATION LIMITED
1000/47-49 ถนนรัชดาภิเษก-พระราม 3 แขวงบางโคล่ เขตบางคอแหลม กรุงเทพฯ 10120
1000/47-49 Ratchadapisek-Rama 3 Rd., Bangkok, Bangkokhladem, BKK 10120 Thailand

หนังสือแต่งตั้งผู้แทนจำหน่าย

วันที่ 24 มิถุนายน พ.ศ. 2562

ที่ SP0014/62/อารัตน์/ณ

เรื่อง การแต่งตั้งตัวแทนจำหน่าย

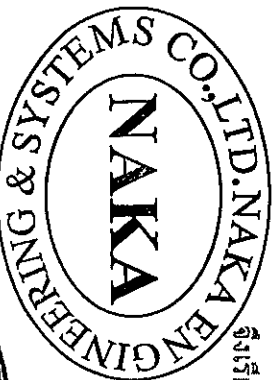
บริษัท ตรีออดุส คอร์ปอเรชั่น จำกัด สำนักงานตั้งอยู่เลขที่ 1000/47-49 ตรอกวัดจันทรีใน
แขวงบางโคล่ เขตบางคอแหลม จังหวัดกรุงเทพมหานคร 10120 ในฐานะผู้แทนจำหน่ายที่เป็น
ตัวแทนได้รับอนุญาตโดยตรงจากเจ้าของผลิตภัณฑ์ CEIA ขอแต่งตั้งให้

บริษัท นาคา เอ็นจิเนียริง แอนด์ ซิสเต็มส์ จำกัด
19/46 หมู่ที่ 11 แขวงโคกแฝด เขตหนองจอก กรุงเทพมหานคร 10530

เป็นตัวแทนจำหน่ายผลิตภัณฑ์เครื่องตรวจสอบและแบบเดินผ่าน ยี่ห้อ CEIA เพื่อการการประกวด
ราคาซื้อชุดตัดการอบบุคคัลแบบตู้ Cabinet พร้อมติดตั้งเครื่องมือด้านการรักษาความปลอดภัย
บริเวณทางเข้าศูนย์ควบคุมการจราจรทางอากาศดอนเมือง ด้วยวิธีประกวดราคาอิเล็กทรอนิกส์
(e-bidding) เลขที่ กพ.บก. e-b 17/12562 ลงวันที่ 12 มิถุนายน 2562 กับ บริษัท วิทย์การบินแห่ง
ประเทศไทย จำกัด

ทั้งนี้ ผลิตภัณฑ์ที่เสนอเป็นของแท้ ของใหม่ ไม่เคยใช้งานมาก่อนไม่เป็นของเก่าเก็บ อยู่ใน
สภาพที่จะใช้งานได้ทันที

จึงเรียนมาเพื่อทราบ

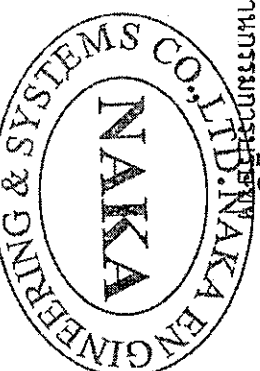
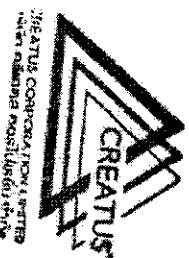


ขอแสดงความนับถือ

[Signature]

(นายวันชัย จิระไตรธาร)

ประธานกรรมการบริษัท

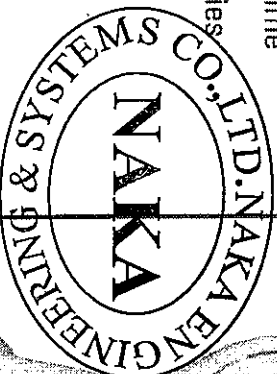
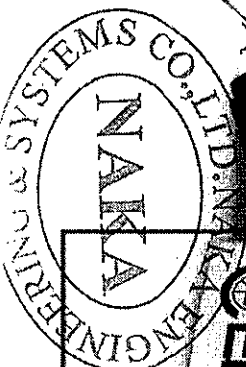
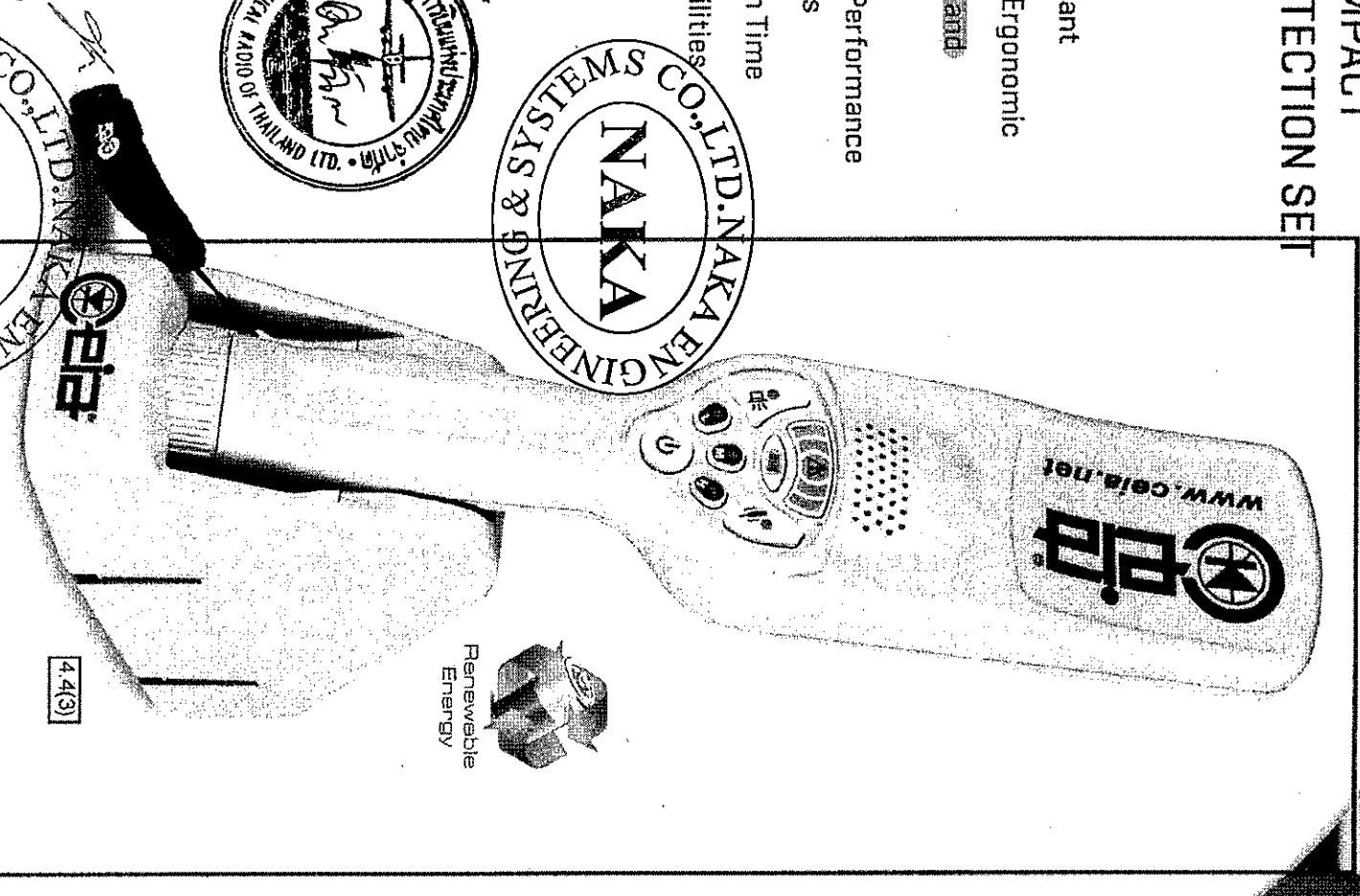
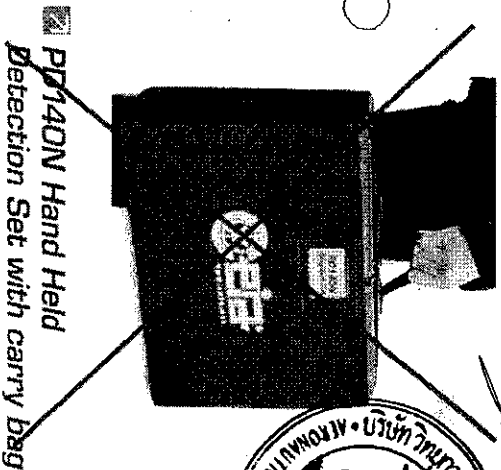


PD140N

NEW GENERATION COMPACT HAND HELD METAL DETECTION SET

FEATURES

- NIJ Standard - 0602.02 Compliant
- Compact, Elegant, Robust and Ergonomic
- Uniform Detection of Magnetic and Non-Magnetic Targets [4.4(2)]
- Full Digital Design: Consistent Performance and Calibration-Free Operations
- Extended Continuous Operation Time
- Advanced Programming Capabilities
- Indoor and Outdoor Operations



Tel.: +39 0575 4181 Fax: +39 0575 418298 e-mail: infosecurity@ceia-spa.com

W W W . C E I A . I T

Threat Detection through Electromagnetics

CEIA reserves the right to make changes, at any moment and without notice, to the models (including programming), their accessories and options, to the prices and conditions of sale.

imagine

CEIA

PD140N**New Generation Compact Hand Held Detection Set**

The PD140N is a Hand Held Metal Detector that combines high reliability and ergonomics with advanced detection and operator signaling features. Effective sensitivity to all metals, full compliance with the latest Security Standards and high immunity to external metal masses are among the main peculiarities of this new device.

Advantages & Benefits

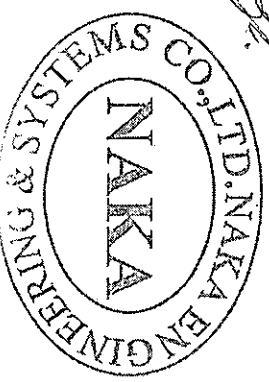
- Programmable Sensitivity 4.4(5)
- Extended Continuous Operation Time
- Automatic Low Power Mode during Screening Pauses
- Embedded Long Life Rechargeable Batteries
are renewable energy and wipe out Operation Cost of Alkaline Batteries
- Embedded Fast and Reliable Battery Charger:
no need of batteries removal
- Dedicated Holder acts as Minimum Space Table Stand
and Mains connection for Battery Charge
- Operator Functions can be standard or customized
by the user through PC GUI and USB connection

**Latest plastic materials technology**

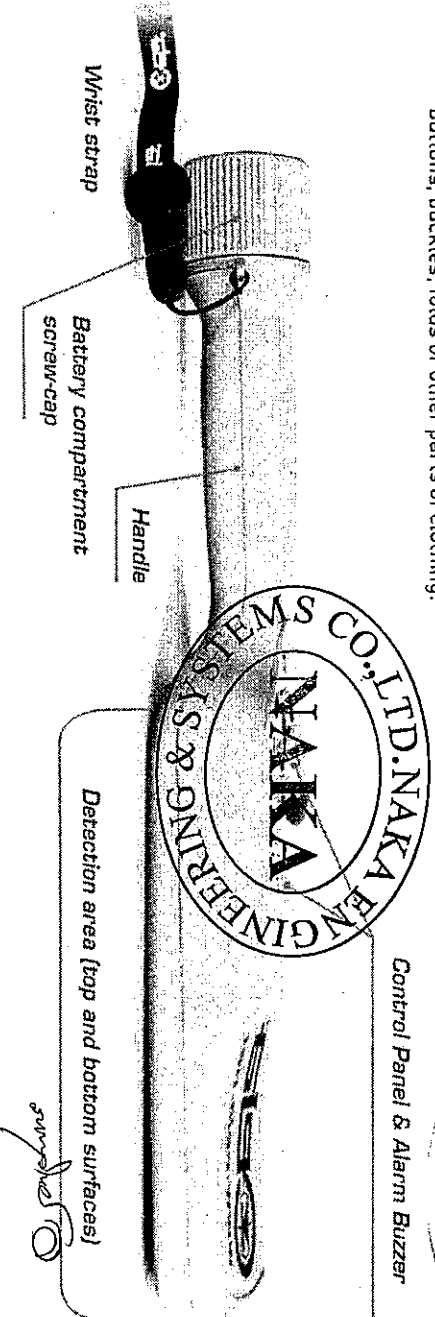
The metal detector casing is made from next-generation technical polymers. These plastics offer high chemical resistance and mechanical strength ensuring a long detector life even in heavy duty conditions.

○ ☒ **Compact, Elegant, Robust and Ergonomic**

The PD140N features a special ergonomic design consisting of a special hand grip which ensures that the operator's hand does not interfere with the sensitive detection area. Special care has gone into the mechanical design of the detector. Absence of sharp edges or corners allows the detector to be passed smoothly over the inspected area without getting caught in buttons, buckles, folds or other parts of clothing.



Control Panel & Alarm Buzzer





✓ NIJ standard 0602.02 Compliant

The technical features of the detector comply with the NIJ standard 0602.02 and the new NIJ draft standard 0602.03. The PD140N has uniform sensitivity to magnetic and non-magnetic targets including those made of stainless steel. At the same time the detector offers **excellent body-effect compensation** and has high immunity to external disturbance from electromagnetic and mechanical sources.

✓ Full Digital Design

The PD140N is fully digital. Electronic functions include a magnetic field transmitter-receiver based on Digital Signal Processing [DSP] technology, a digital operator interface and an external communication over the incorporated USB port. This design, combined with a special printed antenna, ensures consistent performance, very high reliability and calibration-free operations.

✓ Advanced Control Panel

The control panel with switches and warning lights is made from high-thickness silicon guaranteeing **high degree of protection** to make the PD140N suitable for indoor and outdoor use.

✓ Advanced Alarm Indication

The alarm signalling modes include: **optical alarm** which is fixed or is proportional to the intensity of the detection signal; **acoustic alarm** with a constant tone or a tone which is proportional to the size of the object detected; **vibration alarm signal**. It is also possible for the safety manager or the checkpoint supervisor to lock one or more operator commands.

✓ Extended Continuous Operation Time [4.4(10)]

The PD140N metal detector is powered by two AA-size NiMH batteries with a battery life of over 100 hours. **All low Power Models automatically activated during pauses**, extending the battery life up to 200 hours. An internal circuit optimizes battery recharging which takes less than five hours.

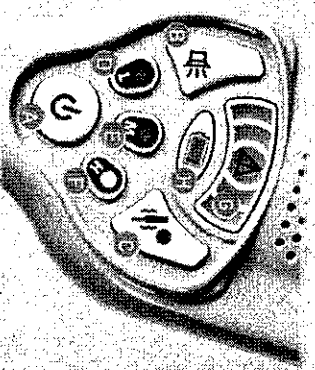
Advanced Programming Capabilities

The digital design of the new metal detector also enables **maximum flexibility in selecting how detection alarms are signalled**. Users can keep the factory settings or connect the detector over its USB to a PC and then personalise the settings with a dedicated graphic interface.

[4.4(4), 4.4(5), 4.4(7), 4.4(8)]

Fully Programmable Signaling

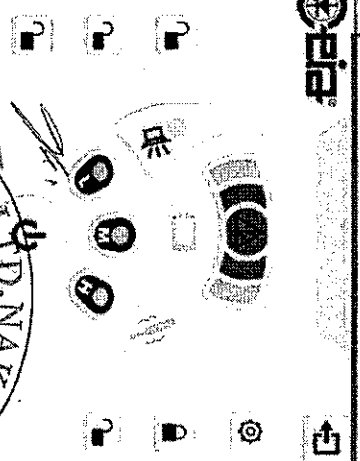
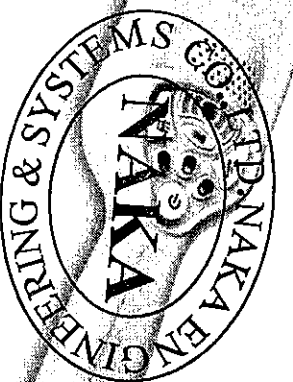
- Proportional/Fixed, High Loudness Acoustic Alarm
- Proportional/Fixed, High Brightness Optical Alarm
- Vibration Alarm for Discrete Screening



A	Power push button
B C	Alarm Mode selection
D E F	Sensitivity selection: • Low • Medium • High
G	Alarm indicator
H	Battery charge indicator



Optical indication proportional to the metal signal strength (Low, Medium, High) [4.4(8)]

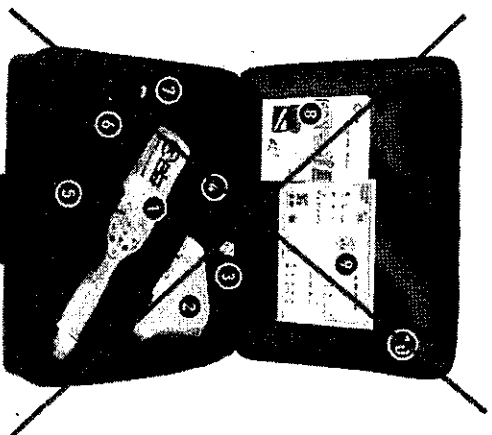
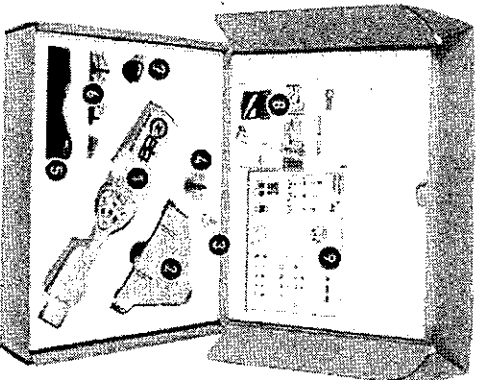


PD140N

New Generation Compact Hand Held Detection Set

Specifications

POWER SUPPLY	2x AA size NiMH, rechargeable batteries
FULLY CUSTOMIZABLE CONTROL PANEL	Optical, acoustic and vibration alarm modes
DETECTION AND OPERATIONAL FUNCTIONS	3-level sensitivity selection buttons
BATTERY	Customizable via HHMD Configuration tool
	Battery life 100 + hours continuous service (AA NiMH batteries 2500 mAh), up to 200 hours with automatic sleep mode
	Low battery indicator
OPERATING TEMPERATURE	Built-in fast battery charger in combination with the CEIA HHBC
STORAGE TEMPERATURE	-40°C to 70°C 4.4(11)
RELATIVE HUMIDITY	0 to 98% (without condensation)
DIMENSIONS	PD140N 360 mm x 80 mm x 40 mm 4.4(6)
	HHBC: 175 mm x 115 mm x 85 mm
WEIGHT	Carry Bag: 430 mm x 340 mm x 105 mm
	Detection Set Package PD140N Set: 450 mm x 325 mm x 115 mm
	PD140N (with battery): 390 g
	HHBC Desktop Battery Charger for PD140N (white power adapter): 755 g
	Carry Bag: 1.3 kg
	Detection Set Package PD140N Set: 2.2 kg
COLOR	PD140N: light grey RAL 7040 - Carry Bag: Green RAL 7013
MANUFACTURED IN GREEN SOURCE SENSANT TECHNOLOGIES	4.4(9)
COMPLIANCE	Conforms to the NIJ 0602.02 and the new NIJ 0602.03 Standards for metal detection
	Conforms to the international standards currently applicable for safety, EMC and to the applicable CE regulations



PD140N Set

PD140N Set inside the Carry Bag

Applications

- ☒ Airports
- ☒ Correctional Facilities

- ☒ Law Enforcement
- ☒ Government Buildings
- ☒ Nuclear Facilities
- ☒ Loss Prevention



เครื่องตรวจจับ X-ray แบบพกพาสำหรับการตรวจคัดกรอง

Zona Industriale 54/G, 52041 Vicinomaglio - Arezzo (ITALY)
Tel.: +39 0575 4181 Fax: +39 0575 418298 E-mail: infosecurity@ceia-spa.com

W W W . C E I A . I T

Ordering Information

PD Set: part # PD140N-SET

Accessories

NIJ 0602.02 Test Pieces Kit:
part # NIJ-HHMD-0602.02 [includes 11 test objects for LD, MD, SD, VSD security levels]

Carry Bag: part # 64081

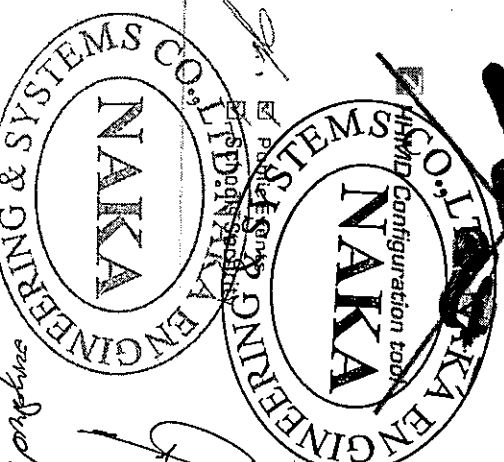
HHMD Configuration tool: part # 63537
[includes special USB adapter with cable, GUI application software]

Part List - description

- 1 PD140N Hand Held Metal Detector
- 2 Desktop Battery Charger
- 3 Coupling pins for side-by-side charger placement
- 4 Calibration NIJ compliant Test Piece
- 5 Universal AC adapter
- 6 US, EU, UK, JP plugs adapter
- 7 Wrist strap
- 8 Instruction manual
- 9 Quick Reference
- 10 Carry Bag



HHMD Configuration tool



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DECLARATION OF CONFORMITY CE/EU**4.4(1)**DECLARATION DE CONFORMITE CE/UE KONFORMITÄTSERKLÄRUNG CE/UE
DECLARACION DE CONFORMIDAD CE/UE DICHIARAZIONE DI CONFORMITÀ CE/UE

This declaration of conformity is issued under the sole responsibility of the manufacturer / La présente déclaration de conformité est établie sous la seule responsabilité du fabricant / Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller / La presente dichiarazione di conformità se espide bajo la exclusiva responsabilidad del fabricante / La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante

Manufacturer:
Fabricant / Hersteller / Fabricante / Costruttore:

CEIA S.p.A.
Zona industriale Vicomaggio 54/G-56 52041 Vicomaggio
Arezzo – ITALY

Declares that the product

déclare que ce produit / erklärt, daß das Produkt / dichiara que el producto / dichiara che il prodotto:

Product name: Hand Held Metal Detector

Nom du produit / Produktname: Détecteur de métaux portatif / Tragbarer Metalldetektor
Nombre del producto / Nome: Detector de metales portátil / Metal Detector Manuale

Model: PD140N

Série / Serie / Serie / Modello:

Product Options: This declaration covers all options

Options / options: Cette déclaration est valide pour toutes les options / Diese Erklärung ist gültig für alle options
Opciones / opzioni: Este declaración es válida para todas las opciones / Questa dichiarazione è valida per tutte le opzioni

conforms to the following Product Specifications

est conforme aux spécifications suivantes / folgenden Produktspezifikationen entspricht
es conforme a las siguientes especificaciones / è conforme alle seguenti specifiche di prodotto:

Safety / Sécurité / Sicherheit / Seguridad / Sicurezza:

EN 61010-1:2010 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements
EN 50384:2010 Limitation of human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications

This product complies with the requirements of the Low Voltage Directive 2006/95/EC.

Le produit ci-dessus répond aux exigences de la Directive 2006/95/CE concernant la basse tension.

Dieses Produkt entspricht den Anforderungen an Niederspannungsgeräte gemäß der Norm 2006/95/EG.

El producto indicado cumple los requisitos de la Low Voltage Directive 2006/95/CE.

Il prodotto è conforme alla norme della direttiva 2006/95/CE sulla bassa tensione.

EMC 4.4(1)

EN 61000-6-1:2007 Electromagnetic compatibility (EMC) – Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments
EN 61000-6-3:2007 Electromagnetic compatibility (EMC) – Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments

This product complies with the requirements of the EMC Directive 2004/108/EC.

Le produit ci-dessus répond aux exigences de la Directive 2004/108/CE concernant les interférences électromagnétiques.

Dieses Produkt entspricht den Anforderungen der EMC-Norm 2004/108/EG.

El producto indicado cumple los requisitos de la Directiva EMC 2004/108/CE.

Il prodotto è conforme alle norme della direttiva EMC 2004/108/CE.

Last two digits of the year in which the CE marking was affixed: 12

Les deux derniers chiffres de l'année d'apposition du marquage CE: 12

Die beiden letzten Ziffern des Jahres, in dem die CE-Kennzeichnung angebracht wurde: 12

Las dos últimas cifras del año de colocación del marcado CE: 12

Ultime due cifre dell'anno in cui è stata affissa la marcatura CE: 12

Signed for and on behalf of: / Signé par et au nom de: / Unterzeichnet für und im Namen von: / Firmado por y en nombre de: / Firmato in vece e per conto di:
CEIA S.p.A. Zona industriale Vicomaggio 54/G-56 52041 Vicomaggio Arezzo – ITALY



Person in charge Lab. EMC

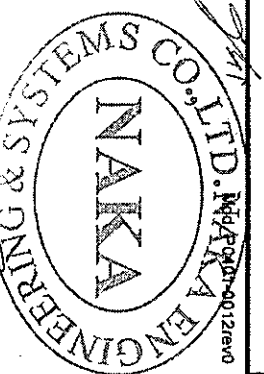
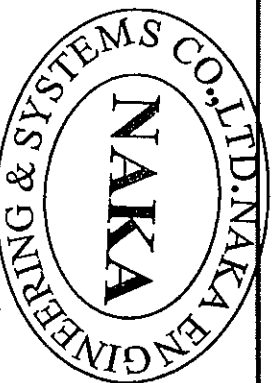
Resp. Laboratorio EMC / Verantwortlicher für EMC-Labor

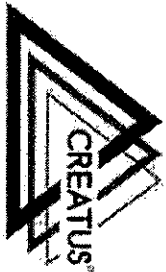
Resp. Laboratorio EMC / Resp. Lab. EMC

Ing. Enrico Sorini

Enrico Sorini

Arezzo, 2012-11-26





บริษัท กรีเอตัส คอร์ปอเรชั่น จำกัด
CREATUS CORPORATION LIMITED
 1000/47-49 ถนนรัชดาภิเษก-พหลโยธิน 3 แขวงบางโกลน เขตบางพลัด กรุงเทพมหานคร 10120
 1000/47-49 Ratchadapisek-Phaullo 3 Rd., Bangkok, Bangkokladem, BKK 10120 Thailand

หนังสือแต่งตั้งผู้แทนจำหน่าย

วันที่ 24 มิถุนายน พ.ศ. 2562

ที่ SP0014/62/อาร์ตน์/ก

เรื่อง การแต่งตั้งตัวแทนจำหน่าย

บริษัท กรีเอตัส คอร์ปอเรชั่น จำกัด สำนักงานตั้งอยู่เลขที่ 1000/47-49 ตรอกวัดจันทริใน แขวงบางโกลน เขตบางพลัด กรุงเทพมหานคร 10120 ในฐานะผู้แทนจำหน่ายที่เป็นตัวแทนได้รับอนุญาตโดยตรงจากเจ้าของผลิตภัณฑ์ CEIA ขอแต่งตั้งให้

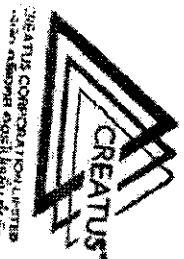
บริษัท นาคา เอ็นจิเนียริง แอนด์ ซิสเต็มส์ จำกัด
 19/46 หมู่ที่ 11 แขวงโคกแฝด เขตหนองจอก กรุงเทพมหานคร 10530

เป็นตัวแทนจำหน่ายผลิตภัณฑ์เครื่องตรวจโลหะแบบเดินผ่าน ยี่ห้อ CEIA เพื่อการการประกวดราคาซื้อจัดซื้อเครื่องแบบตู้ Cabin พร้อมติดตั้งเครื่องมือด้านการรักษาความปลอดภัย บริเวณทางเข้าศูนย์ควบคุมการจราจรทางอากาศดอนเมือง ด้วยวิธีประกวดราคาอิเล็กทรอนิกส์ (e-bidding) เลขที่ กพ.มท. e-b 17/12562 ลงวันที่ 12 มิถุนายน 2562 กับ บริษัท วิทยุการบินแห่งประเทศไทย จำกัด

ทั้งนี้ ผลิตภัณฑ์ที่เสนอเป็นของแท้ ของใหม่ ไม่เคยใช้งานมาก่อนไม่เป็นของเก่าเก็บ อยู่ในสภาพที่จะใช้งานได้ทันที

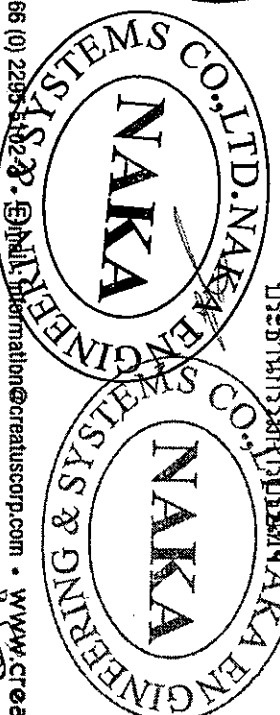
จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ



(นายวันชัย จิระไตรธาร)

ประธานกรรมการบริษัท นาคา เอ็นจิเนียริง แอนด์ ซิสเต็มส์ จำกัด



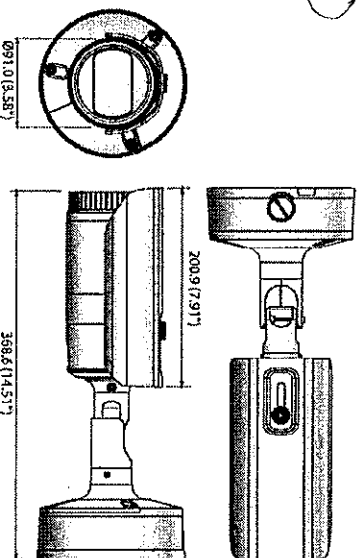
5M Network IR Bullet Camera 4.5(1)



- 44x 5 megapixel (3560 x 1920) resolution **4.5(3)**
- 3.7 ~ 9.4mm (2.5x) motorized varifocal lens
- 44x 30 fps color resolutions (H.265/H.264) **4.5(5)**

- H.265, H.264, MJPEG codec supported, Multiple streaming
- Day & Night (ICR), WDR (120dB), PoE
- Littering, Directional detection, Fog detection, Audio detection, Digital auto tracking, Sound classification, Tampering
- Motion detection, Handover
- SD/SDHC/SDXC memory slot (Max 512GB)
- Halfway view, WiseStream II support
- IR viewable length 50m, IP67/IP68, NEMA 4X, IK10
- LDC support (Lens Distortion Correction)
- PoE / 24V AC, 12V DC, Bi-directional audio support

Unit : mm (inch)



Accessories (Optional)

VIDEO	Imaging Device	4.5(2)	1) 1/3" CCD camera	
	Total Pixels	4.5(3)	356x256	
	Effective Pixels	4.5(2)	256x192	
	Scanning System		256x192	
	Min. Illumination		0.0001 lux	
	S/N Ratio		40dB	
	Video Out		1) 1/3" VCR, 2) composite video, 3) RS-170, 4) 100V video, 5) RS-170, 6) RS-170, 7) RS-170, 8) RS-170, 9) RS-170, 10) RS-170, 11) RS-170, 12) RS-170, 13) RS-170, 14) RS-170, 15) RS-170, 16) RS-170, 17) RS-170, 18) RS-170, 19) RS-170, 20) RS-170, 21) RS-170, 22) RS-170, 23) RS-170, 24) RS-170, 25) RS-170, 26) RS-170, 27) RS-170, 28) RS-170, 29) RS-170, 30) RS-170, 31) RS-170, 32) RS-170, 33) RS-170, 34) RS-170, 35) RS-170, 36) RS-170, 37) RS-170, 38) RS-170, 39) RS-170, 40) RS-170, 41) RS-170, 42) RS-170, 43) RS-170, 44) RS-170, 45) RS-170, 46) RS-170, 47) RS-170, 48) RS-170, 49) RS-170, 50) RS-170, 51) RS-170, 52) RS-170, 53) RS-170, 54) RS-170, 55) RS-170, 56) RS-170, 57) RS-170, 58) RS-170, 59) RS-170, 60) RS-170, 61) RS-170, 62) RS-170, 63) RS-170, 64) RS-170, 65) RS-170, 66) RS-170, 67) RS-170, 68) RS-170, 69) RS-170, 70) RS-170, 71) RS-170, 72) RS-170, 73) RS-170, 74) RS-170, 75) RS-170, 76) RS-170, 77) RS-170, 78) RS-170, 79) RS-170, 80) RS-170, 81) RS-170, 82) 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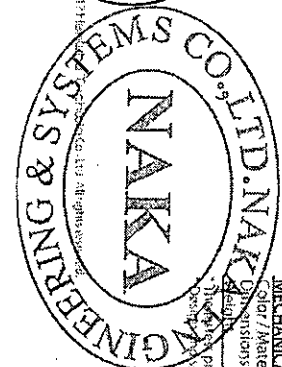
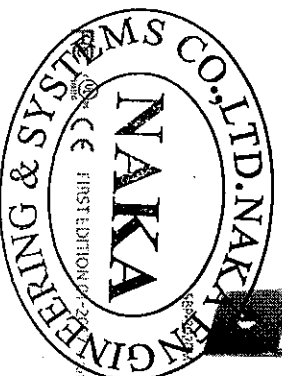
[illegible]

ETHERNET	4.5(9)	ETHERNET Video Compression Format	ETHERNET Video Compression Format	4.5(8)
Resolution		Max. Frame Rate		
Smart Codec		Video Streaming		
Video Quality Adjustment		Bitrate Control Method		
Streaming Capability		Audio In		
Audio Out		Audio Compression Format		
Audio Communication		Protocol		
Security		Streaming Method		
Max. User Access		Edge Storage		
Application Programming Interface		Webpage Language		
Web Viewer				
Central Management Software				
ENVIRONMENTAL				
Operating Temperature/Humidity				
Storage Temperature/Humidity				
Power Protection Methods				
EMI/RFI				
Power Consumption				
MECHANICAL				
Input Voltage / Current				
Power Consumption				

Color / Material	Dark Grey / Aluminum
Dimensions (WxH)	20.0" x 36.0" (60.3" x 91.4")
Weight	21.5 lbs (9.8 kg)
Shipping / Product	Shipping and product can be found at harmar.com or your local hardware store.

1970-1971

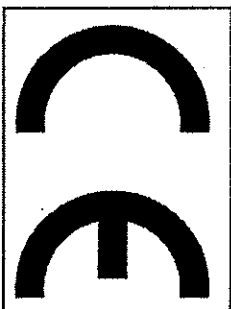
WISeNET SAMSUNG



original 50

EU Declaration of Conformity

WISENET



4.5(11)

We hereby declare that the product

Type of equipment : NETWORK CAMERA
Brand Name / Trade Mark : WISENET, HANWHA
Model number : XNO-8080R
Variant Model : -

satisfies all the technical regulations applicable to the product within the scope of

Council Directives 2014/30/EU

EMC : EN 55032:2012/AC:2013
: EN 50130-4:2011

All essential testing suites have been carried out.

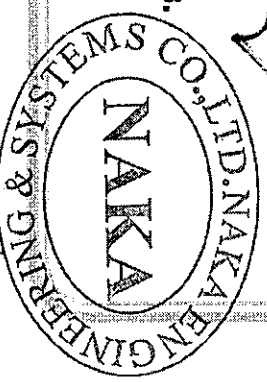
Manufacturer 1 : Hanwha Techwin(Tianjin) Co., Ltd.
Manufacturer address 1 : No.11 Weiliu Rd, Micro-Electronic Industrial Park, TEDA,
Tianjin, 300385, People's Republic of China
Manufacturer 2 : HANWHA TECHWIN SECURITY VIETNAM CO., LTD.
Manufacturer address 2 : Lot O-2, Que Vo Industrial Zone extended area, Non Son
commune, Bac Ninh city, Bac Ninh province, Vietnam
Manufacturer 3 : D-TECH CO., LTD.
Manufacturer address 3 : 173-25, Sameop-ro, Gwonseon-gu, Suwon-si,
Korea (Suwon Industrial Complex)
Applicant : Hanwha Techwin Co., Ltd.
Applicant address : 6, Pangyo-ro 319 Beon-gil, Bundang-gu, Seongnam-si,
Gyeonggi-do, 13488, KOREA
Telephone / Fax : +82-70-7147-8753(<http://hanhwa-security.com>)

*This declaration is issued under the sole responsibility of the manufacturer and
his authorised representative.*

Authorized signatory

Name / Title : Jei Soon, Kang / Principal Research Engineer
Date of issue : Jun. 22, 2018
Place of issue : Kyunggi-do, Korea

The year code of the CE marking affixed to the product is 18.



4.5(11)

VERIFICATION OF FCC PART 15 COMPLIANCE

*KES hereby verify that the subject product complies with all the
electromagnetic emission specified in the FCC Rule Part 15*

Product Description:
Model/Brand Name:

NETWORK CAMERA
XNO-8080RN

Variant Model:

FCC 47CFR Part 15 Subpart B Class A
Part 15.107(b) & Part 15.109(b)

FCC Procedure:

Verification

Applicant Name:

Hanwha Techwin Co., Ltd

Applicant Address:

Changwon-dareri, Seongsan-gu Changwon-si, Gy
eongsangn an-do

Manufacturer Name:

Tianjin Samsung Techwin Opto-Electronic Co.,Ltd.

Manufacturer Address:

No.11 Weiliu Rd, Micro-Electronic Industrial
Park, TEDA, Tianjin, 300385, People's Republic of
China

Test Report Reference No.:

KES-EI-16T0619

NETWORK CAMERA, Model XNO-8080N has been tested in accordance with the measurement
procedures specified in FCC 47CFR Part 15 Subpart B class A and has been shown to be complied with the
electromagnetic emission limits specified in FCC Rule Part 15 Subpart B class A. A testing of the sample product
has been valid for the sample tested based on the reference test report, KES-EI-16T0619

Date of Issue: 12. 11, 2016

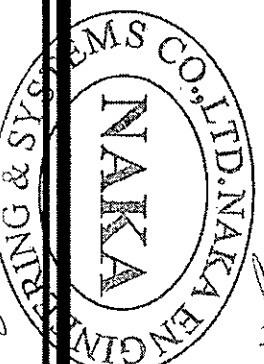
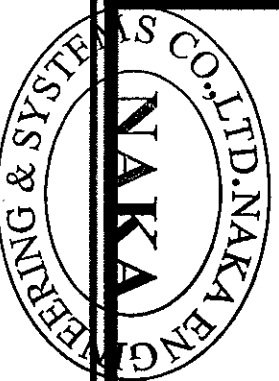
Dong Hun, Jang
Technical Manager

Signature:



KES.Co., Ltd.

C-3701, 40, Simin-daero 365beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 431-716, Korea
Tel: +82-31-425-6200 / Fax: +82-31-424-0450



NOTICE OF COMPLETION AND AUTHORIZATION TO APPLY THE UL MARK



4.5(11)

2017-01-24

JEISOON KANG
Hanwha Techwin Co Ltd
42 SUNGJU-DONG
CHANGWON-SI, GYEONGNAM, 641-716, KR

Our Reference: File E158873, Vol X1

Order: 11545403

Project: 4787699820

Your Reference: KANG, JEISOON

Project Scope: USL, CNL - NETWORK CAMERA, Model XNO-8080R*, XNO-6080R*, BASIC for E158873-A158-UL

Dear JEISOON KANG:

Congratulations! UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements. This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at authorized factories under UL's Follow-Up Service Program. To provide your manufacturer(s) with the intended authorization to use the UL Mark, you must send a copy of this notice to each manufacturing location currently authorized under File E158873, Vol X1.

Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. Until then, this letter authorizes application of the UL Mark for 90 days from the date indicated above.

Additional requirements related to your responsibilities as the Applicant can be found in the document "Applicant responsibilities related to Early Authorizations" that can be found at the following web-site: <http://www.ul.com/EAResponsibilities>

Any information and documentation provided to you involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

We are excited you are now able to apply the UL Mark to your products and appreciate your business. Feel free to contact me or any of our Customer Service representatives if you have any questions.

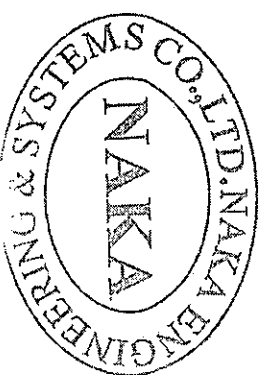
Very truly yours,

Reviewed by:

Jeremy Lim
Engineer Project Associate
Jeremy.Lim@ul.com

Bruce A. Mahrenholz
CPO Director
Bruce.A.Mahrenholz@ul.com

07561619-adbe-41ca-8430-1106dab5cc0b





Security Solutions Hub

BANGKOK๑๑

วันที่ 25 มิถุนายน พ.ศ. 2562

เรื่อง รับรองคุณสมบัติกล้องวงจรปิด

เรียน ประธานคณะกรรมการประกวดราคา

อ้างถึง เอกสารประกวดราคาซื้อตู้รับวีธีประกวดราคาอิเล็กทรอนิกส์ (e-bidding) เลขที่ กพ.บ.ท.๑-๖ 171/2562

เรื่อง การซื้อชุดติดตั้งกล้องบุคคลแบบตู้ Cabin พร้อมติดตั้งเครื่องมือด้านการรักษาความปลอดภัย บริเวณทางเข้าศูนย์ควบคุมจราจรทางอากาศดอนเมือง ตามประกาศ บริษัท วิทยุการบินแห่งประเทศไทย จำกัด
ลงวันที่ 12 มิถุนายน 2562

หนังสือฉบับนี้ทำขึ้นเพื่อแสดงว่า บริษัท กรุงเทพ โอเอ คอมมส์ จำกัด สำนักงานตั้งอยู่ เลขที่ 333/81 อาคารไอทีแลคเกอร์ ชั้น 4 ถนนกำแพงเพชร 6 แขวงตลาดบางเขน เขตหลักสี่ กรุงเทพมหานคร 10210 ในฐานะผู้นำเข้าผลิตภัณฑ์กล้องโทรทัศน์วงจรปิดพร้อมอุปกรณ์ ภายใต้เครื่องหมายการค้าชื่อ WISENET แต่เพียงผู้เดียวในประเทศไทย ขอรับรองคุณสมบัติดังนี้

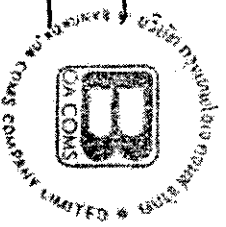
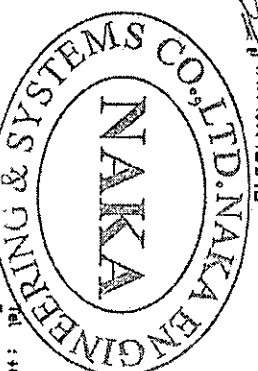
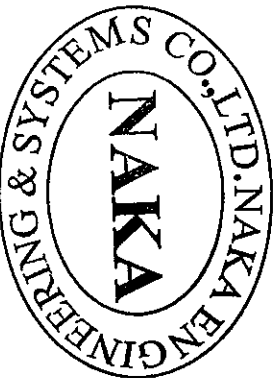
1. กล้องโทรทัศน์วงจรปิดรุ่น XNO-8080R, XNO-8080RP และ XNO-8080RN เป็นสินค้ารุ่นเดียวกัน
2. อักษร "P" และอักษร "N" เป็นเพียงรหัสของการฉายภาพเท่านั้น โดย อักษร "P" หมายถึง ระบบ PAL (Phase Alternation Line) และ อักษร "N" หมายถึง ระบบ NTSC (National Television System Committee)
3. ผลิตภัณฑ์กล้องรุ่น XNO-8080R สามารถใช้กับกล้อง Zoom และ Remote Focus ผ่านกับระบบรวมศูนย์ได้
4. กล้องโทรทัศน์วงจรปิดรุ่น XNO-8080R สามารถเชื่อมต่อด้วยระบบโทรทัศน์วงจรปิด (เดิม) ที่ยังคงมีใช้งานอยู่
ก่อนหน้านี้ได้

จึงเรียนมาเพื่อทราบ.

ขอแสดงความนับถือ

(นางสาวกรรณิศา นุตราชวัณ)

ผู้จัดการฝ่ายขาย



Bangkok DA COMS Co., Ltd.
333/81 IT Square Building 4th floor Tower 1
Kampanghpet 5 Rd., Taladbangkhen, Lat Sai, Bangkok 10210

Tel : +66 (0) 2576-1466-77
Fax : +66 (0) 2576-1466-77 M129
Email : center@bangkokda.com

www.bangkokda.com



BANGKOK CO., LTD.

4.5

วันที่ 21 มิถุนายน พ.ศ. 2562

เรื่อง หนังสือแต่งตั้งตัวแทนจำหน่ายและรับรองอะไหล่
เทียม ประสิทธิภาพการประมวลราคา

อ้างถึง เอกสารประมวลราคาซื้อด้วยวิธีประกวดราคาอิเล็กทรอนิกส์ (e-bidding) เลขที่ กพ.บพ.๑-๖ 17/12562
เรื่อง การซื้อชุดติดตั้งเครื่องมือด้านการรักษาความปลอดภัย บริเวณทางเข้าศูนย์
ควบคุมจราจรทางอากาศดอนเมือง ตามประกาศ บริษัท วิทยุการบินแห่งประเทศไทย จำกัด
ลงวันที่ 12 มิถุนายน 2562

หนังสือฉบับนี้ทำขึ้นเพื่อแสดงว่า บริษัท กรุงเทพ โอเอ คอมส์ จำกัด สำนักงานตั้งอยู่ เลขที่ 333/81 อาคารโอทีเอสแควร์ ชั้น
4 ถนนกำแพงเพชร 6 แขวงตลาดบางเขน เขตหลักสี่ กรุงเทพมหานคร 10210 ในฐานะผู้จำหน่ายผลิตภัณฑ์กล้องโทรทัศน์วงจรปิด
หรืออุปกรณ์ภายใต้เครื่องหมายการค้าชื่อ WISENET แต่เพียงผู้เดียวในประเทศไทย มีความยินดีออกหนังสือแต่งตั้งให้กับ

บริษัท นาคา เอ็นจิเนียริง แอนด์ ซิสเต็มส์ จำกัด
เลขที่ 19/46 หมู่ 11 แขวงโคกแฝด
เขตหนองจอก กรุงเทพมหานคร 10530

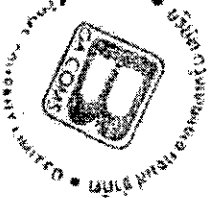
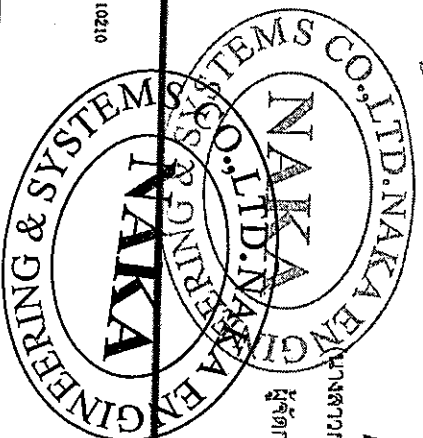
ให้เป็นผู้แทนจำหน่ายและเป็นผู้เสนอราคาผลิตภัณฑ์กล้องโทรทัศน์วงจรปิดพร้อมอุปกรณ์ภายใต้เครื่องหมายการค้าชื่อ
WISENET ให้กับ บริษัท วิทยุการบินแห่งประเทศไทย จำกัด อย่างถูกต้อง

บริษัทฯ ขอรับรองว่าผลิตภัณฑ์ที่ได้เสนอครั้งนี้ เป็นผลิตภัณฑ์ที่ได้รับการมาตรฐาน CE, UL และ FCC บริษัทฯ มีการรับรอง
อะไหล่หรือให้บริการ 5 ปี ผลิตภัณฑ์ใหม่เป็นของใหม่ (Branded New) ไม่ใช่ของเก่าใช้แล้ว (Used) หรือล้าสมัย (Obsolete)
และเป็นศูนย์อยู่ภายใต้การผลิต (Product Line) ตลอดจนบริษัทฯ จะให้การสนับสนุนทางด้านเทคนิคต่างๆ และบริการหลังการ
ขายตามนโยบายบริษัทฯ โดยผ่านทาง บริษัท นาคา เอ็นจิเนียริง แอนด์ ซิสเต็มส์ จำกัด

หนังสือฉบับนี้ขอรับรองการเป็นตัวแทนจำหน่ายตั้งแต่วันที่ 21 มิถุนายน พ.ศ. 2562 ถึงวันที่ 31 ธันวาคม พ.ศ. 2562
จึงเรียนมาเพื่อทราบ.



ขอแสดงความนับถือ
ผู้จัดการฝ่ายขาย



Bangkok OA Coms Co., Ltd
333/81 TT Square Building 4th Floor Tower 1
Kamphaengphet 6 Rd., Teldebangkhien, Latso, Bangkok 10210

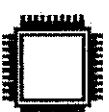
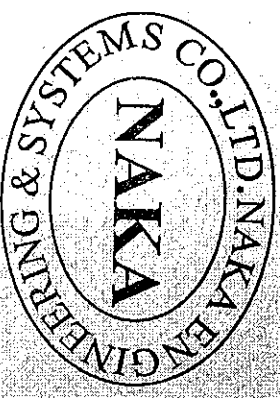
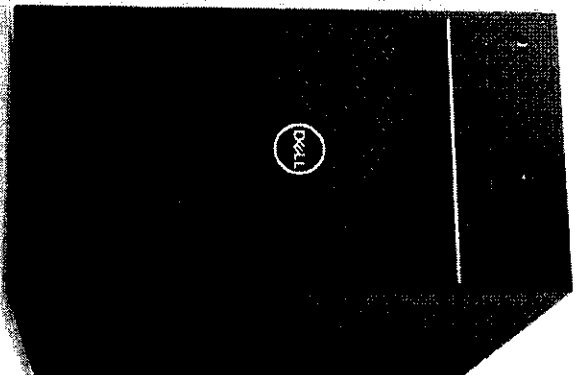
Tel : +66 (0) 2576-1466-77
Fax : +66 (0) 2576-1466-77 #129
Email : center@bangkokoa.com
www.bangkokoa.com

4.6



Unmatched performance & affordability in an expandable mini-tower.

PRECISION 3630 TOWER



PROFESSIONAL PERFORMANCE

Power through intensive tasks easily with 8th Generation Intel® Core™ and Xeon® processors and get real-time results with up to 64GB of faster 2666MHz UDIMM.



PEACE OF MIND

Dell Precision Optimizer Premium is the only AI-based performance optimizer software in the industry to automatically tune your workstation to run popular ISV applications at the fastest speeds possible. Independent Software Vendor (ISV) certified to ensure the high-performance applications you rely on every day run smoothly.



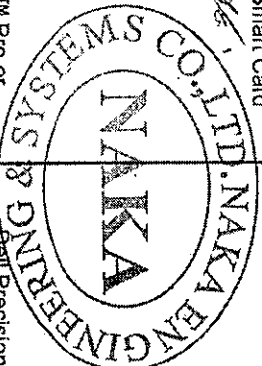
SPACE-SAVING DESIGN

New industrial design is 23% smaller than its predecessor with greater expandability to grow with your business needs without sacrificing power. A range of easy-to-reach ports keep you connected to everything you need while the optional Smart Card reader seamlessly keeps your IP secure.



LATEST TECHNOLOGY

Create VR content without limits thanks to Radeon™ Pro or NVIDIA® Quadro® professional-grade graphics with up to 225W of graphics supports. Scalable storage with SATA or PCIe NVMe SSD options up to 16TB deliver plenty of room for every project.



sampled @

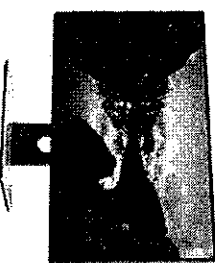
Recommended Accessories

PRECISION 3630 TOWER



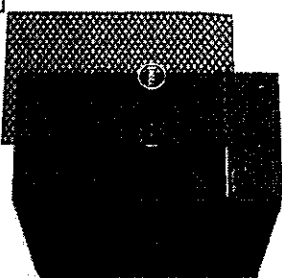
**DELL PREMIER WIRELESS
KEYBOARD AND
MOUSE | KM717**

Enhance productivity and enjoy its elegant design that will fit into virtually any workspace. For increased productivity you can simultaneously pair up to two compatible devices with Bluetooth LE.



**DELL ULTRASHARP 27 4K
MONITOR | U2718Q**

With the world's first 27" 4K monitor with InfinityEdge you get stunning colors and details on a virtually borderless display made for multi-tasking.



4.6(12)

**PRECISION MINI-TOWER
DUST FILTER**

Custom built for your Precision, the external dust filter is easy to install and rinse clean while keeping your internal components clean and running smoothly.



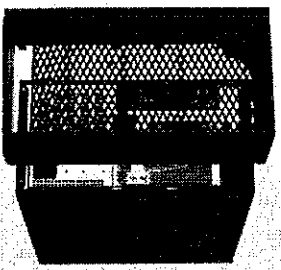
DELL CANVAS

Bring your ideas to life with the groundbreaking new workspace tool that uses an intuitive touch screen, pen and tablet to enable natural digital creation.



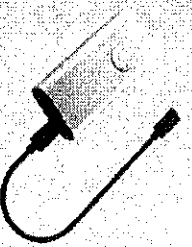
DELL 24 MONITOR | P2418D

See vividly clear visuals and get up to 18% more done with dual monitors by taking advantage of the 3 sided ultrathin bezel which is perfect for dual monitor setup.



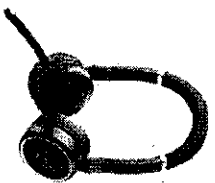
**PRECISION MINI-TOWER
CABLE COVERS**

Reduce clutter and provide secure cable management for your Precision with custom built cable covers.



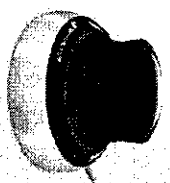
**WIRED MOUSE WITH
FINGERPRINT READER**

Enjoy secure authentication by just touching this mouse, that operates seamlessly with Microsoft's biometric sign-in features.



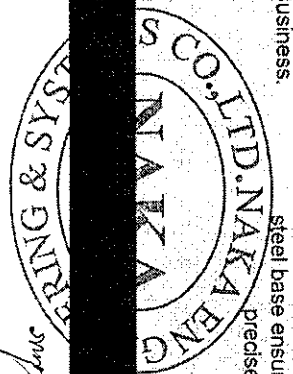
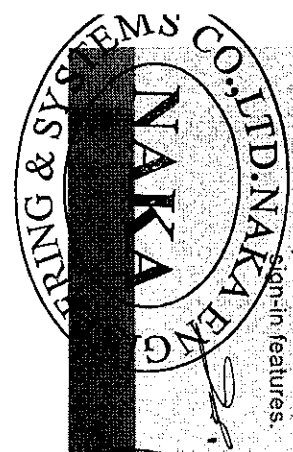
JABRA EVOLVE 75

With the ambient noise cancellation feature of this wireless headset you can hear every word clearly on your next call. This easy to carry device is certified for Microsoft Skype for Business.



**3DCONNEXION
SPACEMOUSE COMPACT**

With its iconic, pure design, the SpaceMouse Compact is small enough to fit on every desk while the brushed steel base ensures the device stability for precise 3D navigation.



signature

signature

signature

Built for business



SECURE

Only Dell provides innovative data security solutions that meet security challenges and business concerns head-on to protect your most critical and at-risk asset, your data. With Dell Data Security solutions, end users can work where and how they want knowing that data is protected.

- Dell Data Guardian protects data where ever it goes.
- Dell Endpoint Security Suite, powered by Cylance, stops up to 99% of malware.



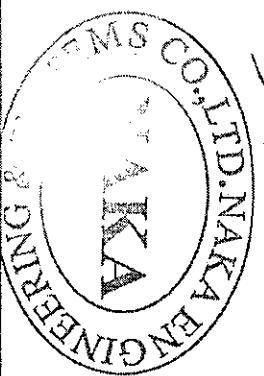
MANAGEABLE

Part of the world's most manageable line of commercial PCs featuring the free Dell Client Command Suite toolkit for flexible and automated BIOS and system configurations. Optional vPro extensions allow for out-of-band systems management.



RELIABLE

Dell Reliable Memory Technology (RMT) Pro protects your work from potential crashes. In addition Dell commercial PCs have the lowest reported failure rate.



Features & Technical Specifications

Feature

4.6(12)

Precision 3630 Tower Technical Specifications

Processor Options¹

8th generation Intel Core i7-8700, 6 Core, 12MB Cache, 3.2GHz Processor, 4.8GHz Turbo w/HD Graphics 630²

4.6(1)

Intel® Xeon® E Processors

Intel Turbo Boost Technology and Intel Integrated HD Graphics on select Processors; optional vPro™ Technology (coming soon)

Windows® 10 Professional (64 bit) 4.6(13)

Windows® 10 Pro for Workstations (64 bit) w/ Intel Xeon processors

Windows® 10 Home (64 bit)

Red Hat® Enterprise Linux® 7.5 (coming soon)

Ubuntu Linux 16.04

Neoklyn 6.0 SP3 (China only)

Intel® C246 Chipset

Operating System Options²

Chipset

Memory Options³

Graphics Options⁴

One PCI Express® x16 Gen 3 Graphics card up to 225W (Total for Graphics cards available)
Dual Config)

Mid-range 3D cards:

AMD Radeon Pro WX 7100

AMD Radeon Pro WX 5100 & Dual WX 5100

AMD Radeon Pro WX 4100 & Dual WX 4100

NVIDIA Quadro P4000 & Dual P4000

NVIDIA Quadro P5000

NVIDIA Quadro P2000 memory 5GB GDDR5 & Dual P2000

Entry 3D cards:

AMD Radeon Pro WX 3100 & Dual WX 3100

AMD Radeon Pro WX 2100 & Dual WX 2100

NVIDIA Quadro P1000 & Dual P1000

NVIDIA Quadro P620 & Dual P620

NVIDIA Quadro P400 & Dual P400

Professional 2D cards:

Intel HD Graphics 630

Consumer Graphics:

AMD Radeon RX 580

NVIDIA GTX 1060

NVIDIA GTX 1080

Storage Options⁵

Support for up to (1) M.2 PCIe SSD on motherboard slot and Up to (3) 3.5" SATA or (4) 2.5" SATA.

Support for Intel Ready Mode technology

Support for up to (1) additional PCIe SSD on Dell Precision Ultra-Speed drive (x8) with active cooling M.2 PCIe SSD (NVMe)

Up to (1) 2TB on M/B

Up to (1) 2TB on Dell Precision Ultra-Speed drive

2.5" SATA SSD

Up to (4) 1TB

2.5" SATA 7200 RPM

Up to (4) 1TB 7200 RPM

3.5" SATA

Up to (3): 4TB 5400 RPM SATA III

Up to (3): 4x2TB 7200 RPM SATA III

MOUSE/KEYBOARD

Optical Mouse with scroll wheel USB or Wireless Keyboard (Thai/English screen) on with USB or Wireless

4.6(10)

4.6(11)

Storage Controller Communications

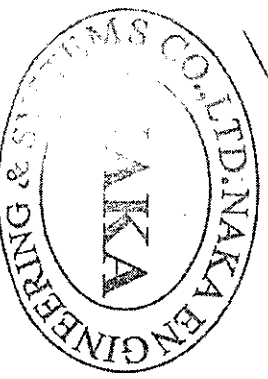
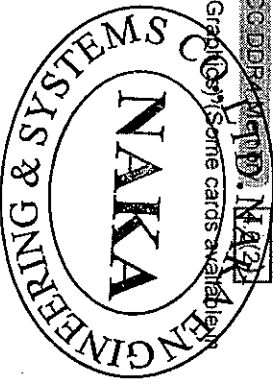
Integrated: Intel Rapid Storage Controller 12.0 supporting SATA 6Gbps and host based RAID 0/1/5/10

Integrated: Intel Ethernet Connection I219-LM 10/100/1000

Optional: Intel 10/100/1000 PCIe Gigabit Networking card

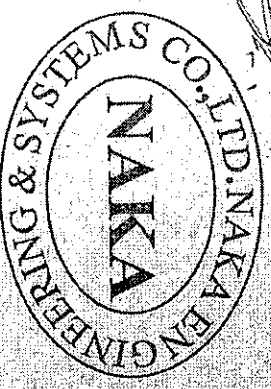
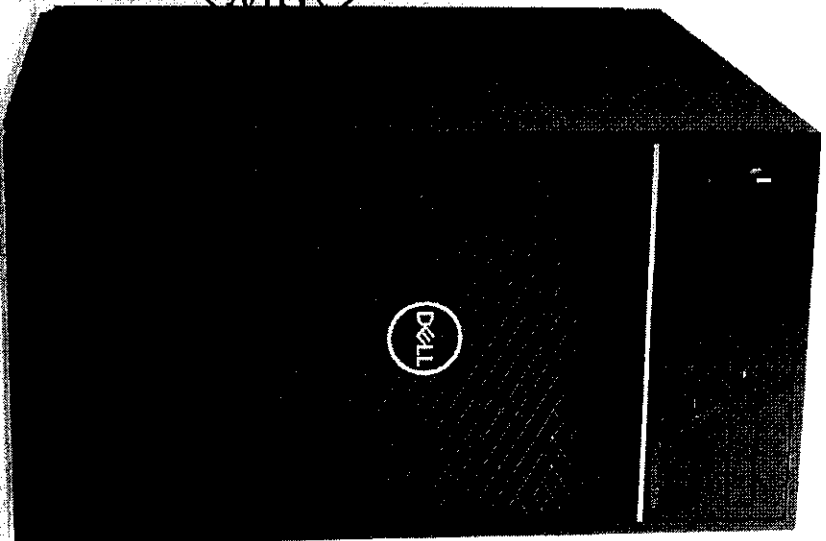
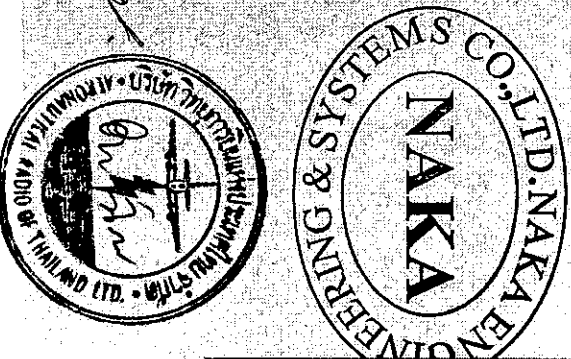
Aquantia® AQtion™ AQN-108 5/2.5 GbE NIC Adapter

Optional: Wireless / Bluetooth w / vPro support



supplied

OK



Unmatched performance & affordability in an expandable mini-tower.

PRECISION 3630 TOWER

Some options available only in select regions. ISV certification applies to select configurations.

Intel Turbo Boost mode only available on Xeon, Core i7 and Core i5 processors. Intel Integrated HD graphics only available with select processors.

A 64-bit operating system is required to support 4GB or more of system memory.

System memory may be used to support graphics, depending on system memory size and other factors.

Hard Drive capacity varies with preloaded material and will be less.

Compliance is not a Dell offer. Certain conditions apply. For full details, see terms and conditions at www.absolute.com/en/about/legal/agreements.

Systems Management Options: Intel vPro technology - Fully vPro-capable at point of purchase, the vPro systems management option requires vPro processors. Includes support for Intel Advanced Management Technology (AMT) 9.x. Intel Standard Manageability - Fully enabled at point of purchase, the Intel Standard Management option is a subset of the AMT features. ISM is not upgradeable to vPro technology post-purchase. No Out-of-Band Systems Management - This option entirely removes Intel out of band systems (OOB) management features. The system can still support in-band management. OOB management support through AMT cannot be upgraded post-purchase.

Availability and terms of Dell Services vary by region. For more information, visit Dell.com/services/contract/regional. Limited Hardware Warranty available by writing Dell USA LP. Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see www.dell.com/warranty. Onsite Service after Remote Diagnosis: Remote Diagnosis is determination by online/phone technician of cause of issue, may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty (www.dell.com/warranty) and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply.

management support through AMT cannot be upgraded post-purchase.

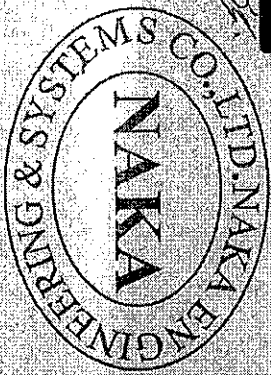
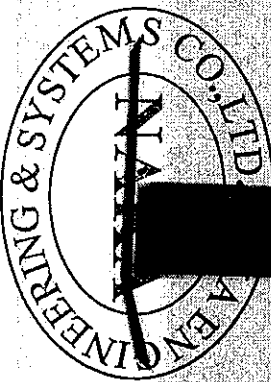
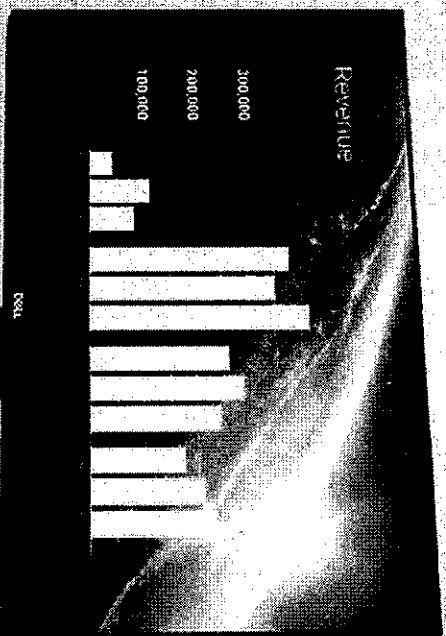
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attached @ 7 x
M. A.



Transform how you work.

DELL 23 MONITOR | P2319H



OPTIMIZE YOUR WORKSPACE

Free up valuable desk space with this 23" FHD monitor featuring a small footprint and thin panel profile. Easily hide away cable clutter with the improved cable management design.



MAXIMIZE PRODUCTIVITY

The 3-sided ultrathin bezel delivers a seamless view across multiple monitors, while Easy Arrange in Dell Display Manager software helps you stay organized when multitasking.



WORK COMFORTABLY

Pivot, tilt, swivel and adjust the height of your monitor to your exact preference. Stay focused longer with a flicker-free screen and ComfortView that optimize eye comfort.



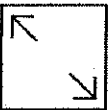
TRUSTED RELIABILITY

Dell monitors — World's number 1 monitor brand¹ Enjoy peace of mind with Dell Premium Panel Exchange, 3 year Advanced Exchange Service² and optional ProSupport³.

www.dell.com

[Signature]

Maximize productivity

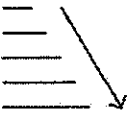


OPTIMIZED WORKSPACE

More room to work: Free up valuable desk space with a thin monitor profile and a small monitor base that's approximately 22% smaller than its predecessor.⁴

Clutter-free: Focus on your work while hiding away cable clutter with an improved cable management design.

Consistent and rich colors: A wide viewing angle enabled by In-Plane Switching technology lets you see vibrant colors—no matter where you sit.



MAXIMIZE PRODUCTIVITY

Expand your efficiency: The three-sided ultrathin bezel design lets you enjoy an uninterrupted view of your content across multiple monitors. And, with dual monitors, you can increase your productivity by up to 18%.⁵

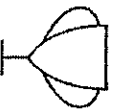
More ways to multitask: Work conveniently across multiple screens and select from predefined templates with the Easy Arrange feature on Dell Display Manager software. Quickly tile and arrange your applications and get back to work faster with Auto-restore, a feature that remembers where you left off.



WORK COMFORTABLY

Adjust to your comfort: Pivot, tilt, swivel and adjust the height of your monitor for a comfortable setup all day long. Or choose from a variety of mounts and stands, including VESA, for even more flexibility.

Easy on the eyes: This TÜV[®] Certified monitor has a flicker-free screen with ComfortView, a feature that reduces harmful blue light emissions. It's designed to optimize eye comfort even over extended viewing.



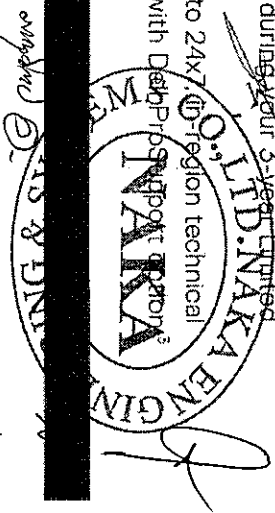
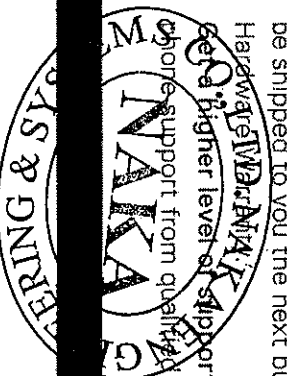
TRUSTED RELIABILITY

DELL MONITORS - WORLD'S NUMBER 1 MONITOR BRAND¹

Peace of mind: Dell Premium Panel Exchange allows a free panel replacement during the Limited Hardware Warranty² period even if only one bright pixel is found.

Minimize downtime: Your monitor comes with a 3-year Advanced Exchange Service³ so that if a replacement becomes necessary, it will be shipped to you the next business day during your 3-year Limited Hardware Warranty².

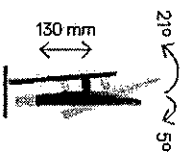
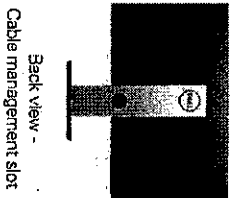
Get a higher level of support: Upgrade to 24x7, 10-region technical phone support from qualified engineers with Dell ProSupport⁴ or Dell ProSupport Plus⁵.



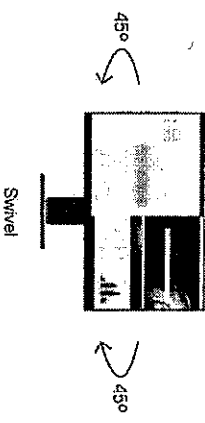
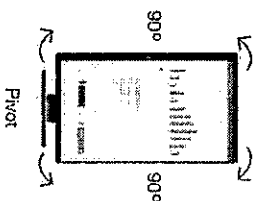
Adjustability and connectivity

DELL 23 MONITOR | P2319H

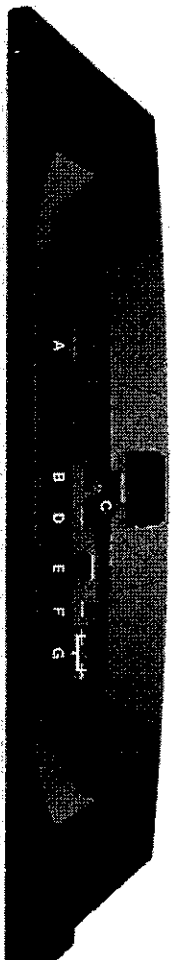
Easily adjust the panel to your preferred viewing position.



Tilt and height adjustable

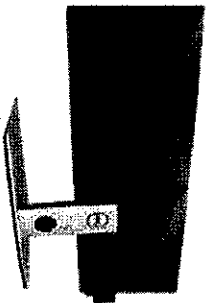


Connectivity



- | | | |
|---------------|------------------------------------|-----------------------------|
| 4.7(6) | A Power connector | E VGA connector |
| | B 4.7(6) HDMI connector | F USB upstream port |
| | C Stand lock feature | G USB downstream ports (x2) |
| | D DisplayPort | H USB downstream ports (x2) |

RECOMMENDED ACCESSORIES



DELL DUAL MONITOR
STAND | MDS19

Enjoy toolless monitor installation with Quick Release and the flexibility to pivot, tilt, swivel and adjust the height of each monitor independently. Features a small footprint and neat cable management.



DELL PRO STEREO
SOUNDBAR | AE515M

Optimize conference calls and multimedia streaming with exceptional audio clarity. Minimize background noise with the dual mic array and echo-cancelling feature.



DELL WIRELESS KEYBOARD
AND MOUSE | KM636

Elevated and spacious chiclet keys with muted typing sound. Pair up to 6 devices with Dell Universal Pairing.

1. The monitor is 41 weeks from the manufacturer's date of manufacture.
2. Approved by the manufacturer. The monitor is 41 weeks from the manufacturer's date of manufacture.
3. Availability may vary by region. See the manufacturer's website for details.
4. Based on the monitor's specifications. The monitor is 41 weeks from the manufacturer's date of manufacture.
5. Source: Dell's website. The monitor is 41 weeks from the manufacturer's date of manufacture.
6. The monitor is 41 weeks from the manufacturer's date of manufacture.
7. For a list of the manufacturer's website, see the manufacturer's website.
8. Color: The monitor is 41 weeks from the manufacturer's date of manufacture.
9. The monitor is 41 weeks from the manufacturer's date of manufacture.
10. The monitor is 41 weeks from the manufacturer's date of manufacture.

Dell's website. The monitor is 41 weeks from the manufacturer's date of manufacture.

© 2018 Dell. All rights reserved. Dell's website. The monitor is 41 weeks from the manufacturer's date of manufacture.



VI 06/2018



GFIN (THAILAND) CO.,LTD.

เลขที่ รร.๐๒๑/๒๕๖๒

เขียนที่ บริษัท จีฟิน (ไทยแลนด์) จำกัด

๔๔๔/๒๓ หมู่ที่ ๔ อําเภอบางเสาธง กรุงเทพมหานคร

ชั้นที่ ๑๒ ต.คลองเกลือ อ.ปากเกร็ด

จ.นนทบุรี ๑๑๑๖๐

วันที่ ๑๗ มิถุนายน ๒๕๖๒

เรื่อง รับรองผลิตภัณฑ์

เรียน คณะกรรมการพิจารณาการประกวดราคาอิเล็กทรอนิกส์

อ้างถึง

เอกสารประกวดราคาซื้อด้วยวิธีประกวดราคาอิเล็กทรอนิกส์ (e-bidding) เลขที่ กพ.ทบ. e-b 171/2562 ซึ่งออกติดกรองแบบตู้ C-abak พร้อมติดตั้งเครื่องมือด้านการรักษาความปลอดภัย บริษัทมหาชนเข้าศูนย์ควบคุมจราจรทางอากาศดอนเมือง ตามประกาศ บริษัท วิทยุการบินแห่งประเทศไทย จำกัด ลงวันที่ ๑๒ มิถุนายน ๒๕๖๒

หนังสือฉบับนี้ทำขึ้นเพื่อแสดงว่า บริษัท จีฟิน (ไทยแลนด์) จำกัด ๔๔๔/๒๓ หมู่ที่ ๔ อาคารเขตอุตสาหกรรมซอฟต์แวร์ ชั้นที่ ๑๒ ต.คลองเกลือ อ.ปากเกร็ด จ.นนทบุรี ๑๑๑๖๐ เป็นผู้ผลิต ผลิตภัณฑ์ ภายใต้เครื่องหมายการค้า Gfin ในประเทศไทย ขอรับรองว่าผลิตภัณฑ์ Gfin มีความสามารถดังต่อไปนี้

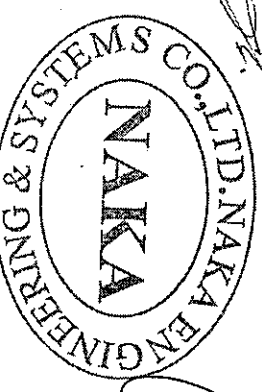
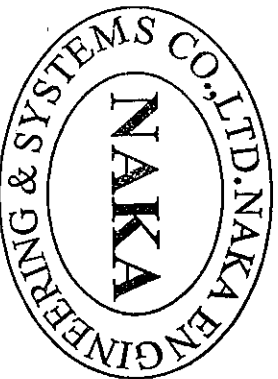
ระบบ Video Client สำหรับติดตั้งบนเครื่อง Computer Workstation มีคุณสมบัติอย่างน้อย ดังนี้

๑. ผลิตภัณฑ์ต้องสามารถเชื่อมร่วมกับระบบคอมพิวเตอร์ที่ใช้ระบบของตัวรับสัญญาณ Video Client ได้ 4.8(1)
๒. ผลิตภัณฑ์ต้องสามารถเชื่อมร่วมกับตัวรับสัญญาณ Video Client ที่เสนอให้ประมูลได้ 4.8(2)
๓. ผลิตภัณฑ์ต้องสามารถเชื่อมร่วมกับตัวรับสัญญาณ Video Client ได้ 4.8(3)
๔. ต้องสามารถรองรับการเชื่อมต่อระบบคอมพิวเตอร์ที่มีคุณสมบัติของโปรแกรม Client และ Server ได้ 4.8(4)

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ

Gfin
(THAILAND) CO.,LTD.

นายอภิชาติ ชูรัตน์
กรรมการผู้จัดการ

vishesh



บริษัท นาคา เอ็นจิเนียริ่ง แอนด์ ซิสเต็มส์ จำกัด
NAKA ENGINEERING & SYSTEMS CO., LTD.

19/46 หมู่ที่ 11 แขวงโกลนใต้ เขตหนองจอก กรุงเทพฯ 10530 โทร. 0-2989-0944 แฟกซ์. 0-2989-0945
19/46 Moo 11 Koltad, Nongchok, Bangkok 10530 Tel. 0-2989-0944 Fax : 0-2989-0945

25 มิถุนายน 2562

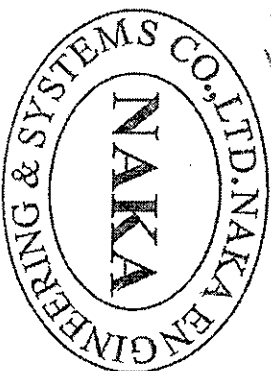
เรื่อง การรับประกันสินค้า และการบริการหลังการขาย

เรียน คณะกรรมการ

อ้างถึง เอกสารประกวดราคาซื้อวิธีประกวดราคาอิเล็กทรอนิกส์ (e-bidding) เลขที่ กพ.บพ. e-b 171/2562 ที่ออกจัดซื้อของบุคคลแบบผู้ Cabini พร้อมติดตั้งเครื่องมีอ ด้านการรักษามความปลอดภัยบริเวณทางเข้าสู่ศูนย์ควบคุมจราจรทางอากาศดอนเมือง ตามประกาศบริษัท วิทยุการบินแห่งประเทศไทย จำกัด ลงวันที่ 12 มิถุนายน 2562

ตามที่บริษัท นาคา เอ็นจิเนียริ่ง แอนด์ ซิสเต็มส์ จำกัด ได้ทำการเสนอราคา ตามเอกสาร ประกวดราคาซื้อดังกล่าว บริษัทฯ รับประกันสินค้าตามโครงการนี้ เป็นระยะเวลา 2 ปี และเข้า ตรวจสอบเช็คทุก 4 เดือน หากเกิดปัญหาในการใช้งาน บริษัทฯ จะดำเนินการแก้ไขให้ใช้งานได้ ภายใน 7 วันทำการ

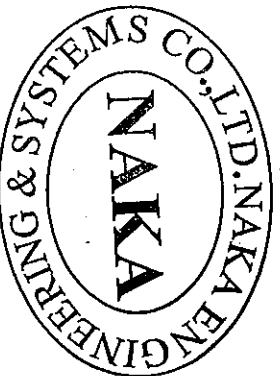
จึงเรียนมาเพื่อโปรดพิจารณา



ขอแสดงความนับถือ

(นายประสิทธิ์ นาคนาคา)

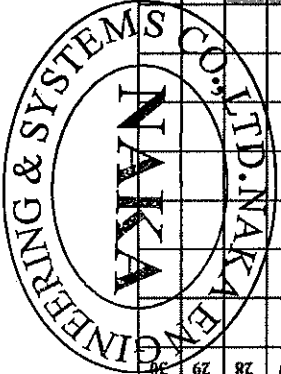
กรรมการผู้จัดการ



นายประสิทธิ์ นาคนาคา

นายประสิทธิ์ นาคนาคา

ตารางการเข้าปฏิบัติงานของช่างเทคนิคติดตั้งเครื่องรับสัญญาณวิทยุ CABIN พร้อมติดตั้งเครื่องรับสัญญาณความปลอดภัยจากอากาศยาน
บริการทางช่างอากาศยานควบคุมจราจรทางอากาศของท่าอากาศยาน



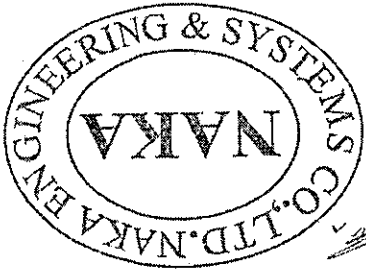
เวลาเข้าทำงาน 8.00 น. - 17.00 น.		ระยะเวลาการทำงาน 30 วัน	
เข้าระบบสำนักงาน	1		
เตรียมอุปกรณ์ทำงาน	2		
งานรับพนักงานที่ท่าอากาศยาน	3		
งานติดตั้ง Cabin	4		
งานเดินระบบไฟฟ้าเชื่อมตู้ Load wuf Cabin	5		
ติดตั้งกล้องโทรทัศน์วงจรปิดแบบ IP Camera ขนาด 5 Mega-Pixel	6		
ติดตั้งเครื่องรับโลหะผ่าน (Walk Through Metal Detector)	7		
ติดตั้ง Computer Workstation and Monitor พร้อมติดตั้งระบบ Video Client	8		
ฝึกอบรมการใช้งานระบบและอุปกรณ์ต่าง ๆ ที่มอบ	9		
ส่งมอบงาน	10		
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บริษัท นาคา เอ็นจิเนียริง แอนด์ ซิสเต็มส์ จำกัด

19/46 หมู่ 11 แขวงโคกแฝด เขตหนองจอก กรุงเทพฯ โทร. 0-2989-0944 แฟกซ์. 0-2989-0945

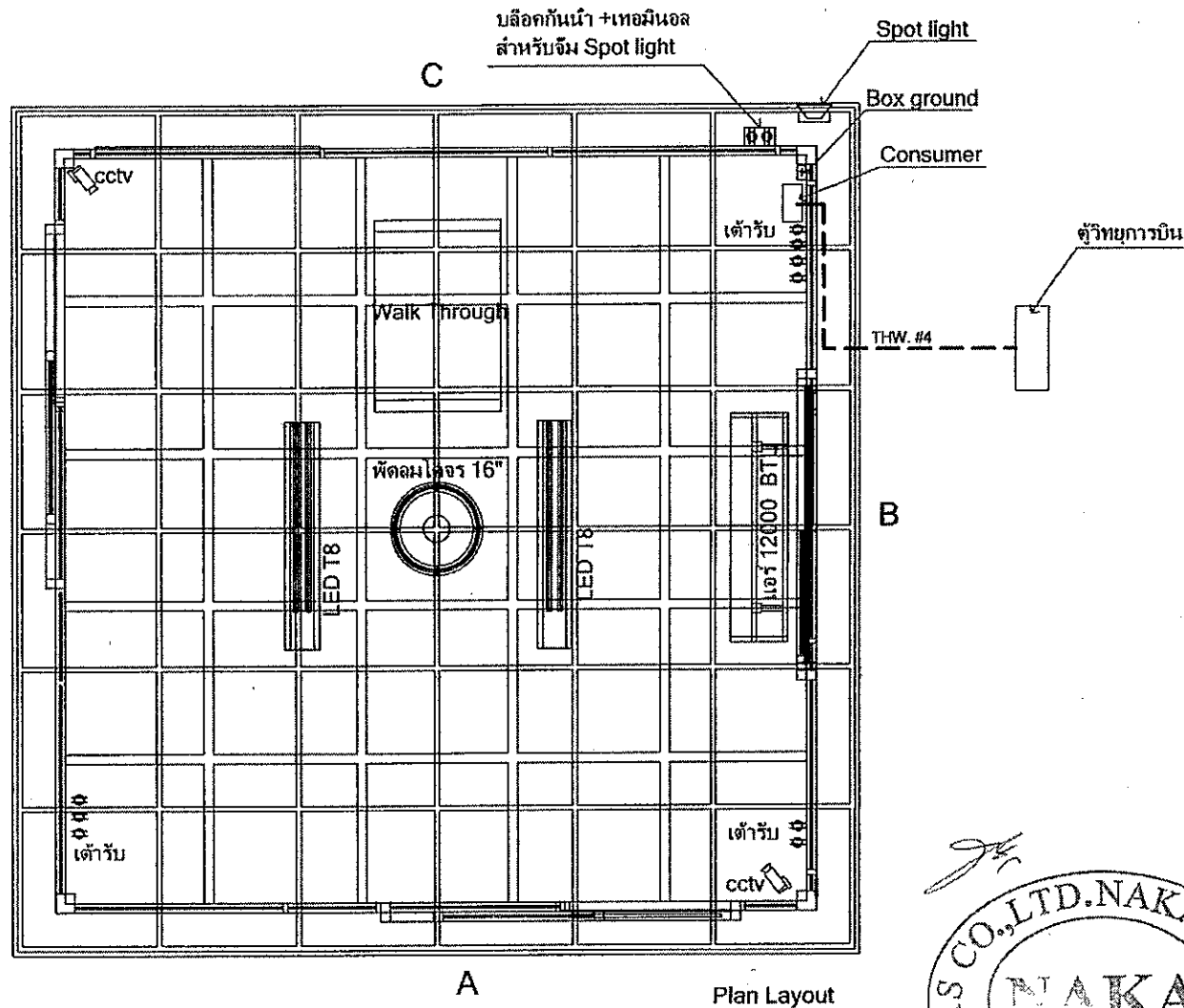
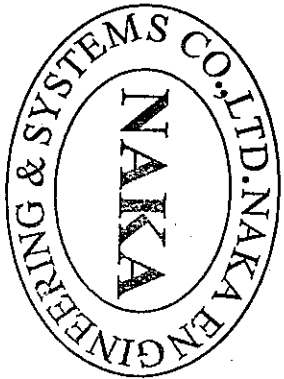
นายประสิทธิ์ นาคนาค

โทร. 089-666-8692



แบบป้อมยาม 4 x 4x2.5 m.

Update 20-06-62



Plan Layout

Shop Drawing



NAKA ENGINEERING
&
SYSTEM CO.,LTD

PROJECT
แบบป้อมยาม 4 x 4 x2.5m.

CUSTOMER

MECHANICAL ENGINEERS

ELECTRICAL ENGINEERS

STRUCTURAL ENGINEERS

DRAWING TITLE

DRAWING NO.
SWSA061256-001

DRAWN
N.MANIT

CHECKED
DATE
20-06-62

APPROVED

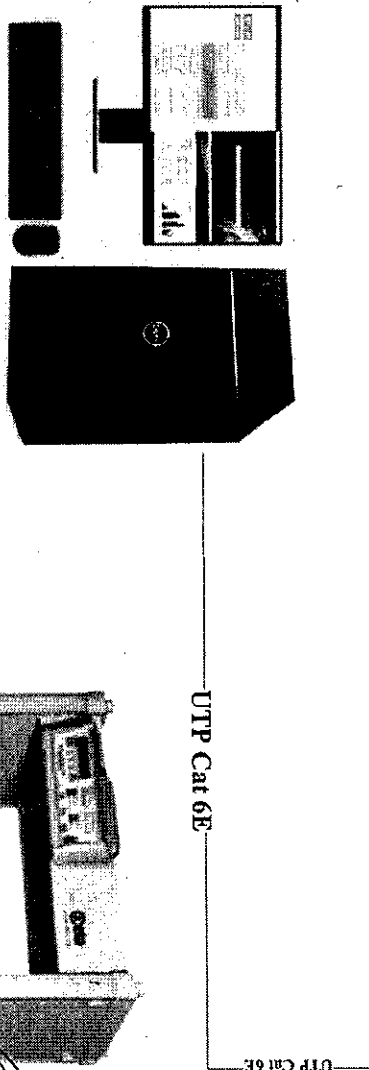
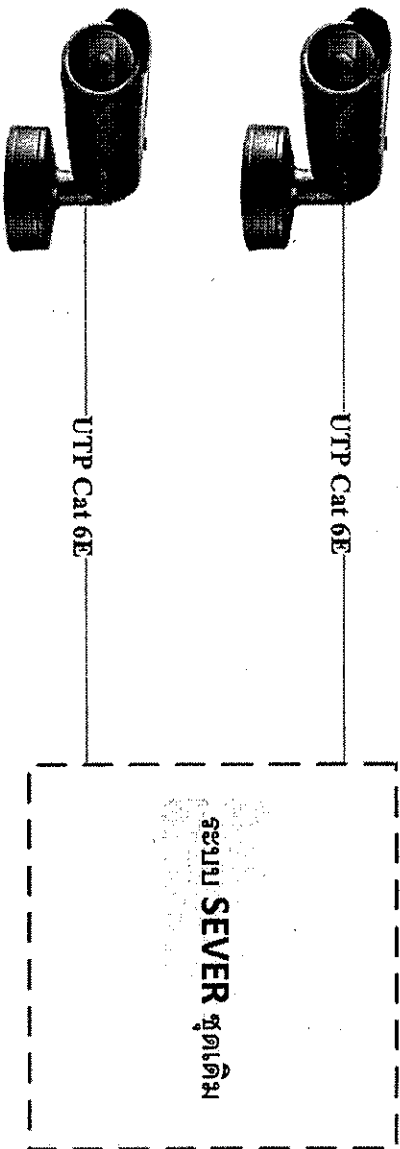
SCALE
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SHEET NO.

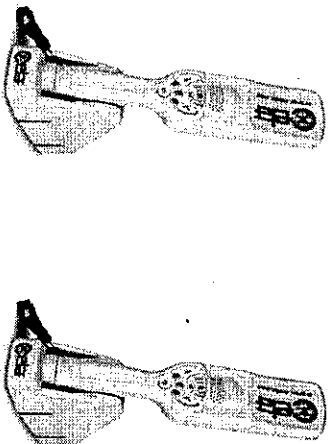
แบบสามารถปรับเปลี่ยนคุณลักษณะตามหน้างานได้

Configuration Diagram

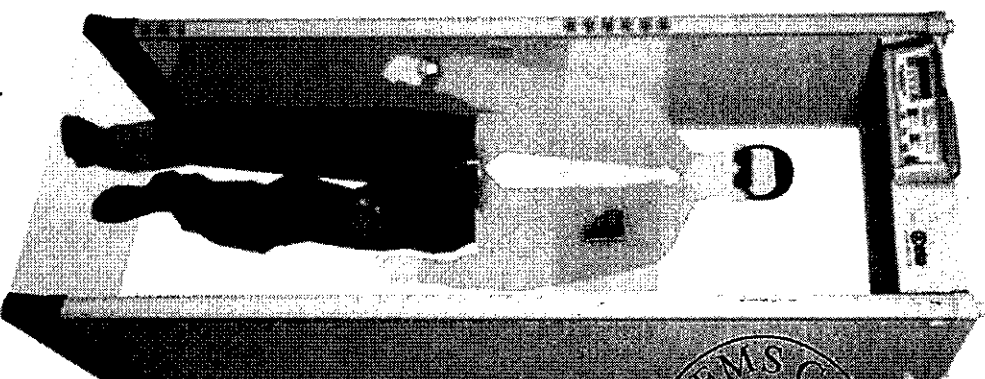
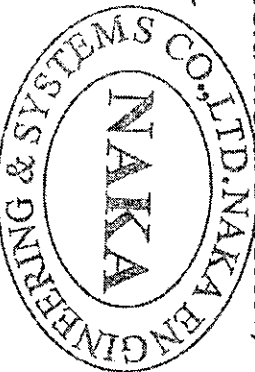
กล้องวงจรปิดแบบ IP Camera ขนาด 5 Mega-Pixel



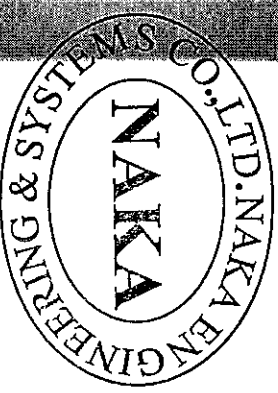
Computer Workstation and Monitor
พร้อมติดตั้งระบบ Video Client



เครื่องตรวจจับโลหะแบบมือถือพกพา
(Hand Held Metal Detector)



เครื่องตรวจจับโลหะแบบเดินผ่าน
(Walk Through Metal Detector)



Signature