



PRODUCT SUBMITTAL

Surveillance System

PRODUCT SUBMITTAL

SURVEILLANCE SYSTEM

INDEX

Surveillance System



EYENOR[®]

EYENOR[®]

Surveillance System

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INTRODUCTION

 **EYENOR[®]**



INTRODUCTION

Welcome to our essential information to help you to identify our wide range of surveillance products engineered to extracting global standards. Eyenor is a brand from Norden and our innovation focuses on the needs of our customers, bringing a greater choice of high performance surveillance products to a demanding market.

Eyenor offers a comprehensive range of IP cameras that suits the surveillance & security demands of the evolving market. With our new range of products, we are one step ahead by bringing the latest advancements like H.265 and low-illumination support. Eyenor has an extensive support for the Analogue CCTV systems, including AHD, CVI and TVI technologies.

We recognize that our products performance is critical for our customer's success to keep them ahead in their competitive world. We continuously strive for excellence in all aspects of our business through the integration of sustainable development and innovation.

INTRODUCTION

Video surveillance, more commonly called CCTV (closed-circuit television) video surveillance has experienced a number of technology shifts. The latest is the shift from analog CCTV surveillance to fully digital, network-based video surveillance systems.

Video surveillance systems started out as 100-percent analog systems and are gradually becoming digital. Today's systems, using network cameras and PC (personal computer) servers for video recording in a fully digital system, have come a long way from the early analog tube cameras, which were connected to a VCR (videocassette recorder).

In between the fully analog and fully digital systems, there are several solutions that are partly digital, that is, systems that incorporate both digital and analog devices. This has led to some confusion in the video surveillance industry today, as some talk about a "digital" system to mean analog cameras that connect to a DVR (digital video recorder), whereas others use the term to describe a network video system with network cameras. Although there are digital components in both systems, there are some very important distinctions to make between each of the systems.

INTRODUCTION

Mission

We continuously strive for excellence in all aspects of our business through the integration of sustainable business development and innovation, delighting our customers with timely delivery of our products and services at all times.

Vision

We at Eyenor ensure that through our product offering, we remain the leader in our industry in quality and performance, exceeding the expectations of our customers and stakeholders.

Values

- Growth through Innovation and customer satisfaction.
- Open and honest Communication
- Integrity driven by Accountability
- Continued integration of World Class Quality Management
- Safety is not compromised
- Responsible corporate citizenship in compliance with Environmental norms.
- Working to make a difference in the world

Quality Policy

- Our quality policy conforms to the management system standard ISO 9001 and to all the national and international applicable standards.
- We strive to be perceived by our customers as a company whose products, service and support consistently exceed those of our competitors.
- We will continuously improve our products, services and processes using clearly defined methodologies and making data based decisions.
- We will act to ensure that our quality policy is understood, implemented, and maintained at all levels in the company.
- We are working to build a company that is regarded by its employees as one they are proud to work for, that communicates with them, listens and responds appropriately, values them and invests in them.
- In the event that one of our customers has a problem with our products or our actions, we will react immediately and decisively to overcome it.
- We will do what we have agreed to do, keeping our customers informed of progress.
- We strive to be the preferred supplier for our products and services in our chosen field.
- Improve safety and health performance through effective identification of hazards, control of risks, investigation of accidents and incidents and implementation of appropriate corrective and preventive actions.

**COMPANY
INFORMATION**



COMPANY SUMMARY

Company Name	: NORDEN COMMUNICATION UK LTD
License No	: 6037554
License Type	: Commercial / Industrial
Date of Issue	: 28th December 2006
Ownership	: Limited Company (LTD)
Ownership Percentage	: 100% NORDEN COMMUNICATION UK LTD.
Activity	: Manufacturing/Trading/Import/Export in Cables, Cabinets Electrical & Communication Equipment, Electronics and IT Products
Office	: Unit-13,Baker Close, Clacton-On-Sea, CO15 4BD, UK
Quality Certification	: NORDEN COMMUNICATION UK LTD is holder of UL, CE, PTS & LPCB Certification. NORDEN COMMUNICATION IS CERTIFIED BY 9001:2015

COMPANY SUMMARY

PRODUCT ABSTRACT

NORDEN COMMUNICATION UK LTD. is a manufacturer awarded with certificates in accordance with the international standards and certified/tested by “UL”-underwriter’s laboratory.

NORDEN COMMUNICATION UK LTD - EYENOR PRODUCT PORTFOLIO

- Analogue Dome Camera
- Analogue Bullet Camera
- Analogue PTZ Camera
- Analogue Digital Video Recorder
- Hybrid DVR
- Mobile DVR
- IP Dome Camera
- IP Bullet Camera
- IP PTZ Camera
- IP Box Camera
- Pin Hole Camera
- Explosion Proof Camera
- Corrosion Proof Camera
- Thermal Imaging Camera
- Network Video Recorder
- Intelligent NVR
- Storage Server
- Joystick

RANGE OF PRODUCTS
SURVEILLANCE SYSTEM

EYENOR[®]



Quality approved by CE, UL, (Underwriters Laboratories), and manufacturing as per ISO 9001 standards.

We are currently one of the markets leading manufactures for Surveillance system and few of the products are mentioned for your references.

Analogue Camera

Analogue Dome Camera

- 1MP/ 1.3MP/ 2MP Resolution cameras
- Fixed Lens/ Varifocal Lens/ Motorized Lens cameras
- IR distance from 10 Meter to 50 Meter
- Compact Dome/ Dome/ Vandal proof dome cameras
- IP60, IP66, IP67, IK08, IK10 rated cameras

Analogue Camera

○ Analogue Bullet Camera

- 1MP/1.3MP/2MP Resolution cameras
- Fixed Lens/Varifocal Lens/Motorized Lens cameras
- IR distance from 10 Meter to 50 Meter
- Compact Bullet/Bullet cameras
- IP66, IP67, IK10 rated cameras

Analogue Camera

Analogue PTZ Camera

- 1.3MP/2MP Resolution cameras
- 16X/18X/22X/30X optical zoom Lens cameras
- Non IR/IR PTZ cameras
- IR distance from 80Meter to 150 Meter

Analogue Camera

○ Analogue Video Recorder

- 4Ch/8Ch/16Ch/32Ch DVR
- 1/2/4 HDD Slots
- DVR/Hybrid DVR
- Mobile DVR

IP (Internet Protocol) Camera

IP Dome Camera

- 1MP / 1.3MP / 2MP / 3MP / 4MP / 5MP / 8MP/12MP Resolution Cameras
- Fixed Lens / Varifocal Lens / Motorized Lens Cameras
- IR/Starlight Cameras
- IR distance from 10Meter to 50 Meter
- Compact Dome / Dome / Vandal proof Dome Cameras
- Compression : H.264, H.265, H.265+ Cameras
- IP66, IP67, IK08, IK10 rated Cameras
- PoE / Non- PoE/SD card slot / Non SD card slot / WDR / Smart Analytics Cameras

IP (Internet Protocol) Camera

IP Bullet Camera

- 1MP/1.3MP/2MP/3MP/4MP/5MP/8MP/12MP Resolution cameras
- Fixed Lens/Varifocal Lens/ Motorized Lens/ Zoom Lens cameras
- IR/Starlight/ Thermal cameras
- IR distance from 10Meter to 200 Meter
- Compact Bullet/ Bullet/ PT bullet cameras
- Compression : H.264, H.265, H.265+ cameras
- IP66, IP67, IK08, IK10 rated cameras
- PoE/ Non- POE/ SD card slot/ Non SD card slot/ WDR/ Smart analytics cameras

IP (Internet Protocol) Camera

○ IP Box Camera

- HD IP Box Camera
- HD IP Low Illumination Box Camera
- H.265 IP Low Illumination Box Camera
- 4K IP Box camera (IMX 226 / IMX 294)

Features

- Built-in Auto double filter switching mechanism, True Day/Night
- Support 3 d - MCTF digital noise reduction function and the ROI compression interested area
- Customizable application scenarios and configuration parameters of different images, automatic switching as planned
- WDR Over 120 dB, In low light or scenarios with comparative in intense light and shade can provide high quality images
- Support Corridor Mode, adapt to the special area show in long and narrow corridor
- Support Micro SD / SDHC / SDXC up to 64GB
- The power interface using Error prevention design, Avoid mistaken insertion or reverse damage to the camera circuit.
- Support ONVIF, HDMI Interface, DC12V / AC24V / POE

IP (Internet Protocol) Camera

○ IP PTZ Camera

- 2MP/3MP/5MP/12MP Resolution cameras
- 12X/16X/18X/20X/22X/30X/32X/33X/44X optical zoom Lens cameras
- Non IR/ IR/ Starlight/ Laser/ Thermal cameras
- IR distance from 80 Meter to 500 Meter
- Compression : H.264, H.265, H.265 + cameras
- IP66, IP67, IK08, IK10 rated cameras
- PoE/ Non - POE/ SD card slot/ Non SD card slot/ WDR/ Smart Analytics cameras

IP (Internet Protocol) Camera

Network Video Recorder & Storage Server

- 4Ch/8Ch/9Ch/16Ch/32Ch/64Ch/128Ch NVR
- 1/2/4/8/16/24 HDD Slots
- 4K support/RAID Support NVR
- 16/24 bay Storage server with Raid Controller and Expansion unit
- Network Joystick controller

IP (Internet Protocol) Specialized Camera

○ Specialized products

- Outdoor Fisheye 4K IP Camera
- Laser IP PTZ Camera
- Explosion Proof IP camera
- Corrosion Proof IP camera
- Thermal Imaging IP Camera
- Mobile DVR
- Health Management Software
- Multi Sensor

CERTIFICATES





CERTIFICATE OF REGISTRATION

INTERCERT hereby certifies that Quality Management System of

Norden Communication UK Ltd

Unit 13 Baker Close, Oakwood Business park, Clacton-On- Sea , Essex CO15 4BD,
United Kingdom

Has been successfully assessed as per the requirements of

ISO 9001:2015

For the scope of

Manufacturing and Supply of Telephone Cables, Data Transmission Cables and
Accessories, Fiber Optic Cables and Accessories, BMS Cables, Fire Alarm Cables,
Public Address System Products and Surveillance System Products.

Initial Certification Date : 13-03-2019

Certificate Issue Date : 13-03-2019

Surveillance Validity Date : 12-03-2020

Recertification Date : 12-03-2022

Registration Number: IC-QM-1903074

Issued on behalf of InterCerti
Head - Certifications



The validity of this certificate can be verified at www.intercert.com or through email at info@intercert.com. This certificate is
the property of INTERCERT and must be returned on request. Accreditation details are available with IAS, (International
Accreditation Services) Inc. USA at www.iasonline.org



CERTIFICATE OF REGISTRATION

INTERCERT hereby certifies that Environmental Management System of

Norden Communication UK Ltd

Unit 13 Baker Close, Oakwood Business park, Clacton-On- Sea , Essex CO15 4BD,
United Kingdom

Has been successfully assessed as per the requirements of

ISO 14001:2015

For the scope of

Manufacturing and Supply of Telephone Cables, Data Transmission Cables and
Accessories, Fiber Optic Cables and Accessories, BMS Cables, Fire Alarm Cables,
Public Address System Products and Surveillance System Products.

Initial Certification Date : 13-03-2019
Certificate Issue Date : 13-03-2019
Surveillance Validity Date : 12-03-2020
Recertification Date : 12-03-2022

Registration Number: IC-EM-1903075

Issued on behalf of InterCert
Head - Certifications



The validity of this certificate can be verified at www.intercert.com or through email at info@intercert.com. This certificate is the property of INTERCERT and must be returned on request. Accreditation details are available with IAS, (International Accreditation Services) Inc, USA at www.iasonline.org

MSA 73743

CERTIFICAT

CERTIFICADO

‘ΕΡΤΗΓΓΑΤΗ

認証証書

CERTIFICATE

ZERTIFIKAT



CERTIFICATE

The Certification Body
of TÜV SÜD Middle East L.L.C.

certifies that



NORDEN COMMUNICATION MIDDLE EAST FZE
P.O.BOX : 49908, HAMARIYAH FREE ZONE
Sharjah, United Arab Emirates

has established and applies
a Quality Management System for

**Supply of Structured Cabling System / ELV Systems / Fire Alarm Cables
/ Public Address / Access Control / CCTV / BMS and Assembly
and Supply of Metallic Cabinet Racks**
(Category : NACE 25.1, NACE 46.6)

An audit was performed, Report No. **50524**
Proof has been furnished that the requirements
according to

ISO 9001:2015

are fulfilled.

The certificate is valid from **2018-04-30** until **2021-04-29**

Certificate Registration No. **ME 9K 0160-01 DAC**

Dubai, 2018-05-24



CB-021

TÜV

TÜV SÜD Middle East L.L.C. P.O. Box 2834, Entourage Heights Tower A, Business Bay, Dubai, United Arab Emirates

MSA 73744

CERTIFICAT

CERTIFICADO

‘ΕΡΤΗΓΡΑΦΗ

認證證書

CERTIFICATE

ZERTIFIKAT



CERTIFICATE

The Certification Body
of TÜV SÜD Middle East L.L.C.

certifies that



NORDEN COMMUNICATION MIDDLE EAST FZE
P.O. Box: 341072, Office No 501, Suntech Tower, Dubai Silicon Oasis
Dubai, United Arab Emirate

has established and applies
a Quality Management System for
**Supply of Structured Cabling System / ELV Systems /
Fire Alarm Cables / Public Address / Access Control /
CCTV / BMS and Metallic Cabinet Racks**
(Category : NACE 46.6)

An audit was performed, Report No. **50524**
Proof has been furnished that the requirements
according to

ISO 9001:2015

are fulfilled.

The certificate is valid from **2018-04-30** until **2021-04-29**

Certificate Registration No. **ME 9K 0160-02 DAC**

Dubai, 2018-05-24



CB-021

TÜV[®]

TÜV SÜD Middle East L.L.C., P.O. Box: 2834, Empire Heights Tower A, Business Bay, Dubai, United Arab Emirates





CERTIFICATE OF REGISTRATION

INTERCERT hereby certifies that Information Security Management System of

Norden Communication Private Limited

Level 1, Tower D, RMZ Infinity, Municipal No. 3, Old Madras Road, Bangalore-560016, INDIA

Has been successfully assessed as per the requirements of

ISO 27001:2013

For the scope of

Supply of Structured Cabling System/Surveillance System/Public Address System/Fire Alarm System/Access Control System/BMS System.
(ISMS - SOA- Version -01 Dated 01 May 2018)

Initial Certification Date : 23-08-2018

Certificate Issue Date : 23-08-2018

Surveillance Validity Date : 22-08-2019

Recertification Date : 22-08-2021

Registration Number: IC-IS-1808093

IAS UCIN : MSCB-121-832



Issued on behalf of InterCert
Head - Certifications



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Certificate



Certificate of Registration

This is to certify that

Norden Communication Private Limited

Level 1, Tower D, RMZ Infinity, Municipal No.3, Old Maras Road,
Bangalore-560016, India

has been assessed and certified by Otabu Certification Limited
as meeting the requirements of

ISO 14001: 2015
Environment Management System

For the following activities:

Supply of Structured Cabling System/Surveillance System/
Public Address System/Fire Alarm System/Access
Control System/BMS System

Date of Registration	: 07 August 2018
1st Surveillance Due	: 06 August 2019
2nd Surveillance Due	: 06 August 2020
Recertification Due	: 06 August 2021

Certificate No:- 180807602

To Verify this certificate please visit at www.otabucert.co.uk




Authorised Signatory

Otabu Certification Limited (UK)

Validity of this Certificate is subject to Annual Surveillance audits done successfully

This Certificate of Registration remains the Property of Otabu Certification Limited and shall be returned immediately upon request.

Email:- info@otabucert.co.uk Website:- www.otabucert.co.uk

Suite 48, 88-90 Hatton Garden, London, EC1N 8PN, UK



Certificate of Registration

Norden Communication Private Limited

at

**Level 1, Tower D, RMZ Infinity, Municipal No.3, Old Maras Road,
Bangalore-560016, India**

has been assessed and Certified by Otabu Certification Pvt. Ltd.
as meeting the requirements of:

ISO 9001:2015 Quality Management System

For the following scope of activities:

**"Supply of Structured Cabling System/Surveillance System/Public Address System/
Fire Alarm System/Access Control System/BMS System"**

Issue No : 01

Date of Certification: 07 August 2018

1st Surveillance Due: 06 August 2019

Revision No () : NA

2nd Surveillance Due : 06 August 2020

Recertification Due : 06 August 2021

(subject to the company maintaining its system to the
required standard)

Certificate No:- 18056148207

To Verify this Certificate please visit at www.otabucert.com



Managing Director

Validity of this Certificate is successful Annual Surveillance audits to be done. This Certificate of Registration remains the Property of Otabu Certification Pvt. Ltd.
and shall be returned immediately upon request.

Otabu Certification Pvt. Ltd., RZ-9 (Ground Floor), Prem Nagar, Uttam Nagar, New Delhi-110059 (India)

Email:- info@otabucert.com website:-www.otabucert.com

1/31/2018

NWGQ.E491809 - Information Technology Equipment Including Electrical Business Equipment



ONLINE CERTIFICATIONS DIRECTORY

NWGQ.E491809 Information Technology Equipment Including Electrical Business Equipment

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Information Technology Equipment Including Electrical Business Equipment

[See General Information for Information Technology Equipment Including Electrical Business Equipment](#)

NORDEN COMMUNICATION UK LTD
20-22 Wenlock Road
LONDON, N1 7GU UNITED KINGDOM

E491809



Trademark and/or Tradename:

Disk Enclosure Unit, Model(s) ENR-16000-E

HD IP Camera, IP Camera, Model(s) ENX-HHP5Y-ZZR-WW (b), ENX-HHP6Y-ZZR-WW (b), ENX-HHPCY-ZZR-WW (b), ENX-HPT5Y-ZZR-WW (b)

IP Camera, Model(s) ENC-HXX5X-XXR-5X (a), ENC-HXX5X-XXR-6X (a), ENC-HXX7X-XXR-5X (a), ENC-HXX7X-XXR-6X (a), ENX-HBL5Y-ZZR-WW (b), ENX-HBLCY-ZZR-WW (b), ENX-HBU5Y-ZZR-WW (b), ENX-HBUAY-ZZR-WW (b), ENX-HCB5Y-ZZR-WW (b), ENX-HCB7Y-ZZR-WW (b), ENX-HCD5Y-ZZR-WW (b), ENX-HCD7Y-ZZR-WW (b), ENX-HCV3Y-ZZR-WW (b), ENX-HCV5Y-ZZR-WW (b), ENX-HCV7Y-ZZR-WW (b), ENX-HDO5Y-ZZR-WW (b), ENX-HDO7Y-ZZR-WW (b), ENX-HPB5Y-ZZR-WW (b), ENX-HPB7Y-ZZR-WW (b), ENX-HPT5Y-ZZR-WW (d), ENX-HVD5Y-ZZR-WW (b), ENX-HVD7H-ZZR-WW (c), ENX-HVD7Y-ZZR-WW (b), ENX-HVDAY-ZZR-WW (b), ENX-HVDCY-ZZR-WW (b)

IP Camera/HD IP Camera, Model(s) ENX-HBU7Y-ZZR-WW (b)

Keyboard, Model(s) ENJ-P0301

Network Storage/Server, Model(s) ENR-08000-E, ENR-08032-N-ISK, ENR-08064-N-ISK

Network Video Recorder, Model(s) ENR-01XXX-N-YK (e), ENR-01XXX-N-YPK (e), ENR-02XXX-N-YK (e), ENR-02XXX-N-YPK (e), ENR-04016-N-4K, ENR-04032-N-4K, ENR-04XXX-N-YPK (e), ENR-08016-N-IRK, ENR-08032-N-IRK, ENR-08064-N-IRK

Network Video Recorder/All-In-One, Model(s) ENR-16064-N-ISK, ENR-16128-N-ISK

(a) - Where the first Two "XX" can be DO,VD,BU, BX,BL,PT,HP represent product Structure, the Third "X" can be F,V,M,Z,H,O, represent the Lens Type, the next two "XX" can be 00,10,20,30,40,50 etc. where 00 represent the camera without IR LED and remaining are represent the camera with IR LED distance, the next '5 & 6' represent the product series, the last "X" can be 0 to 9 represent the number of Product features.

(b) - Where X can be either V or C denoting performance series, Y can be A-Z denoting Lens Target ,Z can be 0-9 denoting Infrared level, W can be 0-9 denoting Product Features.

(c) - Where X can be either V or C denoting performance series, H denoting Hemispheric Lens Target, Z can be 0-9 denoting Infrared level, W can be 0-9 denoting Product Features.

(d) - Where X can be either V or C denoting performance series, Y can be A-Z denoting Lens Target, Z can be 0-9 denoting Zoom level, W can be 0-9 denoting Product Features.

(e) - Where X can be 0 to 9 denoting Channel interface, Y can be 0-9, A-Z denoting Product features.

[Last Updated](#) on 2018-01-11

[Questions?](#)

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Certificate of Compliance

CE

We hereby declare that the technical file of product complied with the requirement of directives 2014/35/EU Low Voltage Directive & 2014/30/EU Electromagnetic Compatibility Directive.

Certificate No.: CE-1168

Manufacturer

Name : NORDEN COMMUNICATION UK LIMITED

Address : 20-22 Wenlock Road, LONDON, N1 7GU UNITED KINGDOM

Product : IP Cameras

Product Description: as per appendix 1

Trade Mark : Eyenor

Models : ENC-HXX5X-XXR-5X (a), ENC-HXX5X-XXR-6X (a), ENC-HXX7X-XXR-5X (a), ENC-HXX7X-XXR-6X (a), ENX-HBL5Y-ZZR-WW(b), ENX-HBLCY-ZZR-WW (b), ENX-HBU5Y-ZZR-WW (b), ENX-HBUAY-ZZR-WW (b), ENX-HCB5Y-ZZR-WW (b), ENX-HCB7Y-ZZR-WW (b), ENXHCD5Y-ZZR-WW (b), ENX-HCD7Y-ZZR-WW (b), ENX-HCV3Y-ZZR-WW (b), ENX-HCV5Y-ZZR-WW (b), ENX-HCV7Y-ZZR-WW (b), ENX-HDO5Y-ZZRWW (b), ENX-HDO7Y-ZZR-WW (b), ENX-HPB5Y-ZZR-WW (b), ENX-HPB7Y-ZZR-WW (b), ENX-HVD5Y-ZZR-WW (b), Model(a) ENX-HHP5Y-ZZR-WW (b), ENX-HHP6Y-ZZR-WW (b), ENX-HHPCY-ZZR-WW (b), ENX-HDO5Y-ZZRWW (b), ENX-HDO7Y-ZZR-WW (b), ENX-HPB5Y-ZZR-WW (b), ENX-HPB7Y-ZZR-WW (b), ENX-HVD5Y-ZZR-WW (b), Model(a) ENX-HHP5Y-ZZR-WW (b), ENX-HHP6Y-ZZR-WW (b), ENX-HHPCY-ZZR-WW (b)

The Certification body has performed an audit of the above product quality system covering the design, manufacture and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to Directive 2014/35/EU Low Voltage Directive & 2014/30/EU Electromagnetic Compatibility Directive.

This certificate is issued under the following conditions:

1. It applies only to the quality system maintained in the manufacture of above referenced models and it does not substitute the design or type-examination procedures, if requested.
2. The certificate remains valid until the manufacturing conditions or the quality systems are changed.
3. The certificate validity is conditioned by positive results or surveillance audits.

The CE mark as shown above can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of conformity and compliance with all relevant EC Directives. The statement is based on a single evaluation of one sample of above mentioned product. It does not imply an assessment of the whole production.

Validity of this certificate can be verified at www.ukcertifications.co.uk/verify

Date of Certification 20th December 2017

1st Surveillance Audit Due 19th December 2018

2nd Surveillance Audit Due 19th December 2019

Certificate Expiry (subject to the company maintaining its system to the required standard) 19th December 2020

Daniel..

Authorised Signatory

This certificate is the property of UK Certification & Inspection Limited and shall be returned immediately on request.

71-75 Shelton Street, Covent Garden, London, WC2H 9JQ, United Kingdom
Website: www.ukcertifications.co.uk, email: info@ukcertifications.co.uk
Company No. 10517947





Certificate of Compliance

Appendix-I

Appendix to Certificate no.:- CE-1168

Manufacturer :

NORDEN COMMUNICATION UK LIMITED

Address :

20-22 Wenlock Road, London, N1 7GU United Kingdom



This certificate referred to above covers the following products like:

Product Description:-

(a) - Where the first Two "XX" can be DO,VD,BU, BX,BL,PT,HP represent product Structure, the Third "X" can be F,V,M,Z,H,O, represent the Lens Type, the next two "XX" can be 00,10,20,30,40,50 etc. where 00 represent the camera without IR LED and remaining are represent the camera with IR LED distance, the next '5 & 6' represent the product series, the last "X" can be 0 to 9 represent the number of Product features.

(b) - Where X can be either V or C denoting performance series, Y can be A-Z denoting Lens Target ,Z can be 0-9 denoting Infrared level, W can be 0-9 denoting Product Features.

(c) - Where X can be either V or C denoting performance series, H denoting Hemispheric Lens Target, Z can be 0-9 denoting Infrared level, W

Daniel..

Authorised Signatory



Page 1 of 1

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Website:- www.ukcertifications.co.uk, email:- info@ukcertifications.co.uk
Company No. 10517947



Certificate of Compliance

FC

Was evaluated and confirmed to comply with the requirement of
FCC PART 15A & 15B

Certificate No.: UQ-1020818012

Manufacturer

Name : NORDEN COMMUNICATION UK LIMITED
Address : 20-22 Wenlock Road, London, N1 7GU United Kingdom
Product : IP Cameras
Product Description : as per Appendix 1
Trade Name : Eyenor

Model : ENC-HXX5X-XXR-5X (a), ENC-HXX5X-XXR-6X (a), ENC-HXX7X-XXR-5X (a), ENC-HXX7X-XXR-6X (a), ENX-HBL5Y-ZZR-WW(b), ENX-HBLCY-ZZR-WW (b), ENX-HBU5Y-ZZR-WW (b), ENX-HBUAY-ZZR-WW (b), ENX-HCB5Y-ZZR-WW (b), ENX-HCB7Y-ZZR-WW (b), ENXHCD5Y-ZZR-WW (b), ENX-HCD7Y-ZZR-WW (b), ENX-HCV3Y-ZZR-WW (b), ENX-HCV5Y-ZZR-WW (b), ENX-HCV7Y-ZZR-WW (b), ENX-HDO5Y-ZZRWW (b), ENX-HDO7Y-ZZR-WW (b), ENX-HPB5Y-ZZR-WW (b), ENX-HPB7Y-ZZR-WW (b), ENX-HVD5Y-ZZR-WW (b), Model(a) ENX-HHP5Y-ZZR-WW (b), ENX-HHP6Y-ZZR-WW (b), ENX-HHPCY-ZZR-WW (b), NX-HPT5Y-ZZR-WW (b), ENX-HVD7H-ZZR-WW (a), ENX-HVD7Y-ZZR-WW (b), ENX-HVDAY-ZZR-WW (b), ENX-HVDCY-ZZR-WW (b), ENX-HBU7Y-ZZR-WW (b)

The Certification body has performed an audit of the above product quality system covering the design, manufacture and final inspection of the certified product. The quality system has been assessed, approved and is subject to continuous surveillance according to rules of PART 15A & 15B of FCC Rules.

This certificate is issued under the following conditions:

1. It applies only to the quality system maintained in the manufacture of above referenced models and it does not substitute the design or type-examination procedures, if requested.
2. The certificate remains valid until the manufacturing conditions or the quality systems are changed.
3. The certificate validity is conditioned by positive results or surveillance audits.
4. The Devices complies with Part 15A & 15B of the FCC Rules. Operation is subject to the following two conditions: 1) This Devices may not cause harmful interference, and 2) The Devices must accept any interference received, including interference that may cause undesired operation.

Validity of this certificate can be verified at www.ukcertifications.co.uk/verify

Date of Certification	20 th December 2017
1 st Surveillance Audit Due	19 th December 2018
2 nd Surveillance Audit Due	19 th December 2019
Certificate Expiry (subject to the company maintaining its system to the required standard)	19 th December 2020

Daniel..

Authorised Signatory



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71-75 Shelton Street, Covent Garden, London, WC2H 9JQ, United Kingdom

Website: www.ukcertifications.co.uk, email: info@ukcertifications.co.uk

Company No. 10517947

**Certificate of Compliance****Appendix-I**

Appendix to Certificate no.:- UQ-1020818012

Manufacturer : NORDEN COMMUNICATION UK LIMITED

Address : 20-22 Wenlock Road, London, N1 7GU United Kingdom

This certificate referred to above covers the following products like:

Product Description:-

(a) - Where the first Two "XX" can be DO,VD,BU, BX,BL,PT,HP represent product Structure, the Third "X" can be F,V,M,Z,H,O, represent the Lens Type, the next two "XX" can be 00,10,20,30,40,50 etc. where 00 represent the camera without IR LED and remaining are represent the camera with IR LED distance, the next '5 & 6' represent the product series, the last "X" can be 0 to 9 represent the number of Product features.

(b) - Where X can be either V or C denoting performance series, Y can be A-Z denoting Lens Target ,Z can be 0-9 denoting Infrared level, W can be 0-9 denoting Product Features.

(c) - Where X can be either V or C denoting performance series, H denoting Hemispheric Lens Target, Z can be 0-9 denoting Infrared level, W

Daniel..

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Page 1 of 1

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Company No. 10517947



Certificate of Compliance

RoHS Directive (2011/65/EU) of the European Parliament and of the Council on the restriction of use of certain Hazardous Substances in Electrical and Electronic Equipments

Certificate No.: UQ-1020818013

Manufacturer

Name : NORDEN COMMUNICATION UK LIMITED

Address : 20-22 Wenlock Road, LONDON, N1 7GU UNITED KINGDOM

Products : IP Cameras

Product Description: as per appendix 1

Trade Name : Eyenor

Model : ENC-HXX5X-XXR-5X (a), ENC-HXX5X-XXR-6X (a), ENC-HXX7X-XXR-5X (a), ENC-HXX7X-XXR-6X (a), ENX-HBL5Y-ZZR-WW(b), ENX-HBLCY-ZZR-WW (b), ENX-HBU5Y-ZZR-WW (b), ENX-HBUAY-ZZR-WW (b), ENX-HCB5Y-ZZR-WW (b), ENX-HCB7Y-ZZR-WW (b), ENXHCD5Y-ZZR-WW (b), ENX-HCD7Y-ZZR-WW (b), ENX-HCV3Y-ZZR-WW (b), ENX-HCV5Y-ZZR-WW (b), ENX-HCV7Y-ZZR-WW (b), ENX-HDO5Y-ZZRWW (b), ENX-HDO7Y-ZZR-WW (b), ENX-HPB5Y-ZZR-WW (b), ENX-HPB7Y-ZZR-WW (b), ENX-HVD5Y-ZZR-WW (b), Model(s) ENX-HHP5Y-ZZR-WW (b), ENX-HHP6Y-ZZR-WW (b), ENX-HHPCY-ZZR-WW (b), NX-HPT5Y-ZZR-WW (b), ENX-HVD7H-ZZR-WW (c), ENX-HVD7Y-ZZR-WW (b), ENX-HVDAY-ZZR-WW (b), ENX-HVDCY-ZZR-WW (b), ENX-HBU7Y-ZZR-WW (b)

This is to state that the above mentioned product is in compliance with RoHS Directive (2011/65/EU) of the European Parliament and Commission Decision 2005/618/EC on the restriction of use of certain Hazardous Substances [Lead (Pb), Mercury(Hg), Cadmium (Cd), Hexavalent Chromium (Cr6+), Polyprominated biphenyls (PBBs) and Polyprominated Diphenylethers (PBDEs)] in Electrical and Electronic Equipments.

Statement:

This certificate declares that the product type / model described above complies with the mentioned above European Standard(s).

Remarks:

This certificate of compliance is based on the evaluation of a sample of the above mentioned products. It does not imply an assessment of the mass-production of the product. This certificate holder may use this certificate in connection with the test report. The certification body should be informed (revision of technical file) for any modification or alterations made to the aforementioned product type(s), including design and manufacture and /or extension to the existing scope of application.

The certificate is valid for three years if the company applies the technical construction file which has been stored in UKCert office. This certificate includes declaration of manufacturer. Certificate remains property of UKCert (UK Certification and Inspection Ltd.) to whom it must be returned upon request. The certificate validity is conditioned by positive results or surveillance audits.

Validity of this certificate can be verified at www.ukcertifications.co.uk/verify

Date of Certification	20 th December 2017
1st Surveillance Audit Due	19 th December 2018
2nd Surveillance Audit Due	19 th December 2019
Certificate Expiry (subject to the company maintaining its system to the required standard)	19 th December 2020

Daniel..

Authorised Signatory



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71-75 Shelton Street, Covent Garden, London, WC2H 9JQ, United Kingdom
Website: www.ukcertifications.co.uk, email: info@ukcertifications.co.uk
Company No. 10517947

**Certificate of Compliance****Appendix-I**

Appendix to Certificate no.:- UQ-1020818013

Manufacturer : **NORDEN COMMUNICATION UK LIMITED**

Address : **20-22 Wenlock Road, London, N1 7GU United Kingdom**

This certificate referred to above covers the following products like:

Product Description:-

(a) - Where the first Two "XX" can be DO,VD,BU, BX,BL,PT,HP represent product Structure, the Third "X" can be F,V,M,Z,H,O, represent the Lens Type, the next two "XX" can be 00,10,20,30,40,50 etc. where 00 represent the camera without IR LED and remaining are represent the camera with IR LED distance, the next '5 & 6' represent the product series, the last "X" can be 0 to 9 represent the number of Product features.

(b) - Where X can be either V or C denoting performance series, Y can be A-Z denoting Lens Target ,Z can be 0-9 denoting Infrared level, W can be 0-9 denoting Product Features.

(c) - Where X can be either V or C denoting performance series, H denoting Hemispheric Lens Target, Z can be 0-9 denoting Infrared level, W

Daniel..

Authorised Signatory



Page 1 of 1

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Website:- www.ukcertifications.co.uk, email:- info@ukcertifications.co.uk
Company No. 10517947



Test Verification of Conformity

Verification Number: 180605045GZU-001

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant **CE** mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Norden Communication UK Ltd 20-22 Wenlock Road, London, N1 7GU, United Kingdom
Product Description:	CAMERA
Models/Type References:	See Appendix
Ratings & Principle Characteristics:	DC 12V for ENX-HXXXX-XXR-XX and ENY-HYYYY-YYR-YY AC 24V or DC 12V for ENZ-HZZZZ-ZZR-ZZ.
Brand Name(s):	EYENOR
Standard(s)/Directive(s):	EN 55032:2015 EN 55024:2010+A1:2015 EN 61000-3-2:2014 EN 61000-3-3:2013 EMC Directive 2014/30/EU
Test Report Number(s):	180605045GZU-001

Additional information in Appendix.

Helen Ma

Signature

Name: Helen Ma

Position: Team Leader

Date: 11 October 2018

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 180605045GZU-001

Models/Type References:

ENX-HXXXX-XXR-XX.

(The first "X" can be C or V represent product Performance series, the next two "XX" can be VD,DO, CV, CD,SV,SD represent the product structure, the next "X" can be 1 to 9 or A-Z represent the Lens megapixel, the next "X" can be A-Z represent the Lens Type, the next two "XX" represent the IR LED distance of the camera, the next 'XX' represent the product feature of the camera)

ENY-HYYYY-YYR-YY.

(The first "Y" can be C or V represent product Performance series, the next two "YY" can be BU,CB,PB,BL represent the product structure, the next "Y" can be 1 to 9 or A-Z represent the Lens megapixel, the next "Y" can be A-Z represent the Lens Type, the next two "YY" represent the IR LED distance of the camera, the next 'YY' represent the product feature of the camera)

ENZ-HZZZZ-ZZR-ZZ.

(The first "Z" can be C or V represent product Performance series, the next two "ZZ" can be HP,PT,CP represent the product structure, the next "Z" can be 1 to 9 or A-Z represent the Lens megapixel, the next "Z" can be A-Z represent the Lens Type, the next two "ZZ" represent the IR LED distance of the camera, the next 'ZZ' represent the product feature of the camera)

Helen Ma

Signature

Name: Helen Ma

Position: Team Leader

Date: 11 October 2018

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Test Verification of Conformity

Verification Number: 180605046GZU-001

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address:	Norden Communication UK Ltd 20-22 Wenlock Road, London, N1 7GU, United Kingdom
Product Description:	CAMERA
Models/Type References:	See Appendix
Ratings & Principle Characteristics:	DC 12V for ENX-HXXXX-XXR-XX and ENY-HYYYY-YYR-YY AC 24V or DC 12V for ENZ-HZZZZ-ZZR-ZZ.
Brand Name<s>:	EYENOR
Specification<s>/Standard<s>	CFR 47, FCC Part 15, Subpart B:2017
Test Report Number<s>:	180605046GZU-001

Helen Ma

Signature

Name: Helen Ma

Position: Team Leader

Date: 11 October 2018

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 180605046GZU-001

Models/Type References:

ENX-HXXXX-XXR-XX.

(The first "X" can be C or V represent product Performance series, the next two "XX" can be VD,DO, CV, CD,SV,SD represent the product structure, the next "X" can be 1 to 9 or A-Z represent the Lens megapixel, the next "X" can be A-Z represent the Lens Type, the next two "XX" represent the IR LED distance of the camera, the next 'XX' represent the product feature of the camera)

ENY-HYYYY-YYR-YY.

(The first "Y" can be C or V represent product Performance series, the next two "YY" can be BU,CB,PB,BL represent the product structure, the next "Y" can be 1 to 9 or A-Z represent the Lens megapixel, the next "Y" can be A-Z represent the Lens Type, the next two "YY" represent the IR LED distance of the camera, the next 'YY' represent the product feature of the camera)

ENZ-HZZZZ-ZZR-ZZ.

(The first "Z" can be C or V represent product Performance series, the next two "ZZ" can be HP,PT,CP represent the product structure, the next "Z" can be 1 to 9 or A-Z represent the Lens megapixel, the next "Z" can be A-Z represent the Lens Type, the next two "ZZ" represent the IR LED distance of the camera, the next 'ZZ' represent the product feature of the camera)

Helen Ma

Signature

Name: Helen Ma

Position: Team Leader

Date: 11 October 2018

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Test Verification of Conformity

Verification Number: 180605059GZU-001

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address:	Norden Communication UK Ltd 20-22 Wenlock Road, London, N1 7GU, United Kingdom
Product Description:	CAMERA
Models/Type References:	See Appendix
Ratings & Principle Characteristics:	DC 12V for ENX-HXXXX-XXR-XX and ENY-HYYYY-YYR-YY AC 24V or DC 12V for ENZ-HZZZZ-ZZR-ZZ.
Brand Name<s>:	EYENOR
Specification<s>/Standard<s>	IEC 61000-6-4:2018
Test Report Number<s>:	180605059GZU-001

Additional information in Appendix.

Helen Ma

Signature

Name: Helen Ma

Position: Team Leader

Date: 11 October 2018

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 180605059GZU-001

Models/Type References:

ENX-HXXXX-XXR-XX.

(The first "X" can be C or V represent product Performance series, the next two "XX" can be VD,DO, CV, CD,SV,SD represent the product structure, the next "X" can be 1 to 9 or A-Z represent the Lens megapixel, the next "X" can be A-Z represent the Lens Type, the next two "XX" represent the IR LED distance of the camera, the next 'XX' represent the product feature of the camera)

ENY-HYYYY-YYR-YY.

(The first "Y" can be C or V represent product Performance series, the next two "YY" can be BU,CB,PB,BL represent the product structure, the next "Y" can be 1 to 9 or A-Z represent the Lens megapixel, the next "Y" can be A-Z represent the Lens Type, the next two "YY" represent the IR LED distance of the camera, the next 'YY' represent the product feature of the camera)

ENZ-HZZZZ-ZZR-ZZ.

(The first "Z" can be C or V represent product Performance series, the next two "ZZ" can be HP,PT,CP represent the product structure, the next "Z" can be 1 to 9 or A-Z represent the Lens megapixel, the next "Z" can be A-Z represent the Lens Type, the next two "ZZ" represent the IR LED distance of the camera, the next 'ZZ' represent the product feature of the camera)

Helen Ma

Signature

Name: Helen Ma

Position: Team Leader

Date: 11 October 2018

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Test Verification of Conformity

Verification Number: 180605047GZU-001

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant **CE** mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Norden Communication UK Ltd 20-22 Wenlock Road, London, N1 7GU, United Kingdom
Product Description:	Network video recorder
Models/Type References:	ENR-XXXXX-N-XXX (The first "XX" can be represent the number of Hard Disk Drive, the next three "XXX" represent the Supported Channel number, last three 'XXX' represent the Product features)
Ratings & Principle Characteristics:	AC 100V-240V, 5A, 47Hz-63Hz Max Continuous 200W
Brand Name(s):	EYENOR
Standard(s)/Directive(s):	EN 55032:2015 EN 55024:2010+A1:2015 EN 61000-3-2:2014 EN 61000-3-3:2013 EMC Directive 2014/30/EU
Test Report Number(s):	180605047GZU-001

Helen Ma

Signature

Name: Helen Ma
Position: Team Leader
Date: 11 October 2018

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Test Verification of Conformity

Verification Number: 180605048GZU-001

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address:	Norden Communication UK Ltd 20-22 Wenlock Road, London, N1 7GU, United Kingdom
Product Description:	Network video recorder
Models/Type References:	ENR-XXXXX-N-XXX (The first "XX" can be represent the number of Hard Disk Drive, the next three "XXX" represent the Supported Channel number, last three 'XXX' represent the Product features)
Ratings & Principle Characteristics:	AC 100V-240V, 5A, 47Hz-63Hz Max Continuous 200W
Brand Name<s>:	EYENOR
Specification<s>/Standard<s>	CFR 47, FCC Part 15, Subpart B:2017
Test Report Number<s>:	180605048GZU-001

Helen Ma

Signature

Name: Helen Ma
Position: Team Leader
Date: 11 October 2018

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Test Verification of Conformity

Verification Number: 180605042GZU-004

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant **CE** mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to product(s) identical to the tested sample(s).

Applicant Name & Address:	Norden Communication UK Ltd 20-22 Wenlock Road, London, N1 7GU, United Kingdom
Product Description:	CAMERA
Models/Type References:	See Appendix
Ratings & Principle Characteristics:	DC 12V for ENX-HXXXX-XXR-XX and ENY-HYYYY-YYR-YY AC 24V or DC 12V for ENZ-HZZZZ-ZZR-ZZ.
Brand Name(s):	EYENOR
Standard(s)/Directive(s):	IEC 62321-3-1 Edition 1.0 : 2013 IEC 62321-4 Edition 1.0 : 2013 IEC 62321-5 Edition 1.0 : 2013 IEC 62321-6 Edition 1.0 : 2015 IEC 62321-7-1 Edition 1.0 : 2015 IEC 62321-7-2 Edition 1.0 : 2017 RoHS Directive 2011/65/EU
Test Report Number(s):	180605042GZU-001, 180605042GZU-002, 180605042GZU-003
Additional information in Appendix.	

Vian Huang

Signature

Name: Vian Huang

Position: Engineer

Date: 23 November 2018

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 180605042GZU-004

Models/Type References:

ENX-HXXXX-XXR-XX.

(The first "X" can be C or V represent product Performance series, the next two "XX" can be VD,DO, CV, CD,SV,SD represent the product structure, the next "X" can be 1 to 9 or A-Z represent the Lens megapixel, the next "X" can be A-Z represent the Lens Type, the next two "XX" represent the IR LED distance of the camera, the next 'XX' represent the product feature of the camera)

ENY-HYYYY-YYR-YY.

(The first "Y" can be C or V represent product Performance series, the next two "YY" can be BU,CB,PB,BL represent the product structure, the next "Y" can be 1 to 9 or A-Z represent the Lens megapixel, the next "Y" can be A-Z represent the Lens Type, the next two "YY" represent the IR LED distance of the camera, the next 'YY' represent the product feature of the camera)

ENZ-HZZZZ-ZZR-ZZ.

(The first "Z" can be C or V represent product Performance series, the next two "ZZ" can be HP,PT,CP represent the product structure, the next "Z" can be 1 to 9 or A-Z represent the Lens megapixel, the next "Z" can be A-Z represent the Lens Type, the next two "ZZ" represent the IR LED distance of the camera, the next 'ZZ' represent the product feature of the camera)

Signature

Name: Vian Huang

Position: Engineer

Date: 23 November 2018

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TEST REPORT





Total Quality. Assured.

Test Report

Number: 180605042GZU-001

Applicant: Norden Communication UK Ltd
 20-22 Wenlock Road, London, N1 7GU, United Kingdom
 ATTN: Eldho P C

Date: Jul 30, 2018

Sample Description:

Submitted samples said to be :

Item name

Item No.

IR IP H.265 VANDAL PROOF VARIFOCAL LENS DOME CAMERA
 ENV-HVD5F-30R-20



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

Conclusion:

Tested SampleTested components of
submitted sampleStandardScreening by XRF spectroscopy and chemical
confirmation test for RoHS Directive (2011/65/EU)Result

Pass

Authorized by:

For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Vian Huang

Vian Huang
Engineer

Page 1 of 54





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Test Report

Number: 180605042GZU-002

Applicant: Norden Communication UK Ltd
 20-22 Wenlock Road, London, N1 7GU, United Kingdom
 ATTN: Eldho P C

Date: Jul 30, 2018

Sample Description:

Submitted samples said to be
 Item name
 Item No.

IR IP H.265 VARIFOCAL LENS BULLET CAMERA
 ENV-HBU5V-50R-20



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

Conclusion:

Tested Sample	Standard	Result
Tested components of submitted sample	Screening by XRF spectroscopy and chemical confirmation test for RoHS Directive (2011/65/EU)	Pass

Authorized by:
 For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Vian Huang



Vian Huang
 Engineer

Page 1 of 57





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Test Report

Number: 180605042GZU-003

Applicant: Norden Communication UK Ltd
 20-22 Wenlock Road, London, N1 7GU, United Kingdom
 ATTN: Eldho P C

Date: Jul 30, 2018

Sample Description:

Submitted samples said to be :

Item name

: 2MP IR IP H.265 HIGH SPEED PTZ DOME CAMERA

Item No.

: ENV-HHP5Z-150R-15



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

Conclusion:

Tested SampleStandardResultTested components of
submitted sampleScreening by XRF spectroscopy and chemical
confirmation test for RoHS Directive (2011/65/EU)

Pass

Authorized by:

For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch



Vian Huang
 Engineer

Page 1 of 94





Norden Communication UK Ltd

TEST REPORT

SCOPE OF WORK
EMC TESTING— SEE PAGE 2

REPORT NUMBER
180605047GZU-001

ISSUE DATE	[REVISED DATE]
11-October-2018	[-----]

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49

DOCUMENT CONTROL NUMBER
EN 55032:2015, EN 55024:2010+A1:2015-c
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TEST REPORT

Applicant Name & : Norden Communication UK Ltd
 Address : 20-22 Wenlock Road, London, N1 7GU, United Kingdom
 Manufacturing Site : Same as applicant
 Intertek Report No: 180605047GZU-001

Test standards

EN 55032:2015
 EN 61000-3-2:2014
 EN 61000-3-3:2013
 EN 55024:2010+A1:2015

Sample Description

Product : Network video recorder
 Model No. : ENR-XXXXX-N-XXX
 (The first "XX" can be represent the number of Hard Disk Drive, the next three "XXX" represent the Supported Channel number, last three 'XXX' represent the Product features)
 Electrical Rating : AC 100V-240V, 5A, 47Hz-63Hz
 Max Continuous 200W
 Serial No. : Not Labeled
 Date Received : 05 August 2018
 Date Test : 08 August 2018-26 August 2018
 Conducted

Prepared and Checked By

Approved By:

Guitar Huang
 Project Engineer
 Intertek

Helen Ma
 Team Leader
 Intertek

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Version: 12-July-2017

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EN 55032:2015, EN 55024:2010+A1:2015-b



Norden Communication UK Ltd

TEST REPORT

SCOPE OF WORK
EMC TESTING– SEE PAGE 5

REPORT NUMBER
180605045GZU-001

ISSUE DATE **[REVISED DATE]**
11-October-2018 [-----]

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66

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TEST REPORT

Applicant Name & : Norden Communication UK Ltd
 Address : 20-22 Wenlock Road, London, N1 7GU, United Kingdom
 Manufacturing Site : Same as applicant
 Intertek Report No: 180605045GZU-001

Test standards

EN 55032:2015
 EN 61000-3-2:2014
 EN 61000-3-3:2013
 EN 55024:2010+A1:2015

Sample Description

Product : CAMERA
 Model No. : See page 5
 Electrical Rating : DC 12V for ENX-HXXXX-XXR-XX and ENY-HYYYY-YYR-YY
 AC 24V or DC 12V for ENZ-HZZZZ-ZZR-ZZ.
 Serial No. : Not Labeled
 Date Received : 05 August 2018
 Date Test : 08 August 2018-26 August 2018
 Conducted

Prepared and Checked By

Approved By:

Guitar Huang

Project Engineer

Intertek Guangzhou

Helen Ma

Team Leader

Intertek Guangzhou

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Version: 12-July-2017

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EN 55032:2015, EN 55024:2010+A1:2015-b



Norden Communication UK Ltd

TEST REPORT

SCOPE OF WORK
EMC TESTING— SEE PAGE 5

REPORT NUMBER
180605048GZU-001

ISSUE DATE **[REVISED DATE]**

11-October-2018 [-----]

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27

DOCUMENT CONTROL NUMBER
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TEST REPORT

Applicant Name & : Norden Communication UK Ltd
 Address : 20-22 Wenlock Road, London, N1 7GU, United Kingdom
 Manufacturing Site : Same as applicant
 Intertek Report No: 180605048GZU-001

Test standards**CFR 47, FCC Part 15, Subpart B:2017****Sample Description**

Product : Network video recorder
 Model No. : ENR-XXXXX-N-XXX
 (The first "XX" can be represent the number of Hard Disk Drive, the next three "XXX" represent the Supported Channel number, last three 'XXX' represent the Product features)
 Electrical Rating : AC 100V-240V, 5A, 47Hz-63Hz
 Max Continuous 200W
 Serial No. : Not Labeled
 Date Received : 05 August 2018
 Date Test : 08 August 2018-26 August 2018
 Conducted

Prepared and Checked By

Approved By:

Guitar Huang
 Project Engineer
 Intertek Guangzhou

Helen Ma
 Team Leader
 Intertek Guangzhou

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Version: 30-March-2018

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FCC Part 15:2017-c



Norden Communication UK Ltd

TEST REPORT

SCOPE OF WORK
EMC TESTING— SEE PAGE 5

REPORT NUMBER
180605046GZU-001

ISSUE DATE	[REVISED DATE]
11-October-2018	[-----]

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DOCUMENT CONTROL NUMBER
FCC Part 15:2017-c
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TEST REPORT

Applicant Name & : Norden Communication UK Ltd
Address : 20-22 Wenlock Road, London, N1 7GU, United Kingdom
Manufacturing Site : Same as applicant
Intertek Report No: 180605046GZU-001

Test standards

CFR 47, FCC Part 15, Subpart B:2017

Sample Description

Product : CAMERA
Model No. : See page 5
Electrical Rating : DC 12V for ENX-HXXXX-XXR-XX and ENY-HYYYY-YR-YY
AC 24V or DC 12V for ENZ-HZZZZ-ZZR-ZZ.
Serial No. : Not Labeled
Date Received : 05 August 2018
Date Test : 08 August 2018-26 August 2018
Conducted

Prepared and Checked By

Guitar Huang

Project Engineer

Intertek Guangzhou

Approved By:

Helen Ma

Team Leader

Intertek Guangzhou

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Version: 30-March-2018

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Norden Communication UK Ltd

TEST REPORT

SCOPE OF WORK
EMC TESTING— SEE PAGE 5

REPORT NUMBER
180605059GZU-001

ISSUE DATE	[REVISED DATE]
11-October-2018	[-----]

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IEC 61000-6-2, 6-4-a
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TEST REPORT

Applicant Name & : Norden Communication UK Ltd
Address : 20-22 Wenlock Road, London, N1 7GU, United Kingdom
Manufacturing Site : Same as applicant
Intertek Report No: 180605059GZU-001

Test standards

IEC 61000-6-4:2018 (Special standard required from applicant)

Sample Description

Product : CAMERA
Model No. : See page 5
Electrical Rating : DC 12V for ENX-HXXXX-XXR-XX and ENY-HYYYY-YYR-YY
AC 24V or DC 12V for ENZ-HZZZZ-ZZR-ZZ.
Serial No. : Not Labeled
Date Received : 05 August 2018
Date Test : 08 August 2018-26 August 2018
Conducted

Prepared and Checked By

Guitar Huang
Project Engineer
Intertek Guangzhou

Approved By:

Helen Ma
Team Leader
Intertek Guangzhou

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Version: 10-October-2018

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IEC 61000-6-2, 6-4-a

APPROVALS

The EYENOR logo is located in the top right corner. It features a stylized green eye icon to the left of the word "EYENOR" in a bold, black, sans-serif font, followed by a registered trademark symbol (®).The EYENOR logo is located on the side of the white dome camera in the upper left. It features a stylized green eye icon to the left of the word "EYENOR" in a bold, black, sans-serif font, followed by a registered trademark symbol (®).

تاريخ الطباعة: 2016-07-13
وقت الطباعة: AM 10:30
رقم الطلب: EQA16001885



وزارة الداخلية
إدارة النظم الأمنية

إفادة

نوع الافادة : إعتداد معدة

بيانات المنشأة

الاسم التجاري: مراكز للخدمات الامنية
رقم السجل التجاري: 57652
رقم قيد المنشأة: 14-0743-00
البريد الإلكتروني:
رقم الفاكس:
المعدات

رقم الموديل	الشركة المصنعة	إسم المعدة
ENC-HDG58IR	Norden Communication	2MP 200M IR IP PTZ Camera

تفاصيل الإفادة

لا مانع من اعتماد المعدة بناء على الدراسة الفنية والمعايير في مجال التشغيل

ملاحظات :

- يجب على المنشأة التي صدر لها الإفادة ما يلي:
- 1 - الالتزام بقرار معالي وزير الداخلية رقم (11) لسنة 2013 بشأن تحديد المواصفات الفنية لكاميرات وأجهزة المراقبة الأمنية وأماكن ونقاط وضعها وتركيبها وفقا للجدول المرفقة به .
 - 2- هذه المعدة معتمدة من قبل إدارة النظم الأمنية علما بأنه توجد معدات اخرى معتمدة بنفس المواصفات الفنية.

ع/ الرائد
جاسم عبد الرحيم بن هاشم السيد
مدير ادارة النظم الأمنية



2MP 200M IR IP PTZ Camera

EYENOR®
ENC-HDG58IR

FEATURES

Powerful 30x optical zoom
 Ultra-low light star-light camera
 H.264 & MJPEG Three-stream encoding
 Max: 60fps@720P and 30fps@1080P resolution
 Defog, WDR, BLS, ROI, Day/Night(ICR), DNR (2D&3D),
 Auto Iris, Auto focus, AWB, AGC, BLC
 Auto-tracking and iVS
 Multiple network monitoring: Web viewer
 Max: 240°/s pan speed, 360° endless pan rotation
 Up to 300 presets, 5 auto scan, 8 tour, 5 pattern
 Built-in 7/2 alarm input
 Support intelligent 3D positioning
 Micro SD memory, IP66/IP67, IK10, POE+
 IR Distance up to 200M



SPECIFICATION

MODEL	Model No.	ENC-HDG58IR
	Type	2MP IR IP PTZ Camera
	Image Sensor	1/1.9" Exmor CMOS
	Effective Pixels	1944(H) x 1080(V), 2MP
	Scanning System	Progressive
	Electronic Shutter Speed	1/1 ~ 1/30,000s
	Min. Illumination	Color: 0.005Lux@F1.6; 8/W; 0.0005Lux@F1.6; 0Lux (IR on)
	SN Ratio	More than 56dB
	Video Output	BNC, PAL / NTSC
	Day/Night	Auto(ICR) / Color / B/W
	Backlight Compensation	BLC / HLC / WDR (120dB)
	White Balance	Auto, ATW, Internal, External, Manual
	Gain Control	Auto / Manual
	Noise Reduction	Ultra DNR (2D/3D)
	Privacy Masking	Up to 24 areas
	Digital Zoom	16x
	IIS	Support
	Defog	Support
	Focal Length	6mm~180mm(30x Optical zoom)
	Max Aperture	F1.6 ~ F4.8
	Focus Control	Auto / Manual
	Angle of View	H: 61.2° ~ 2.32°
	Pan/Tilt Range	Pan: 0° to 360° endless; Tilt: -10° to 90°, auto flip 180°
	Manual Control Speed	Pan: 0.1° to 240°/s; Tilt: 0.1° to 120°/s
	Preset Speed	Pan: 240°/s; Tilt: 200°/s
	Preset	300
	PTZ Mode	5 Pattern; 8 Tour; Auto Pan; Auto Scan
	Speed Setup	Human-oriented focal length/speed adaptation
	Power up Action	Auto restore to previous PTZ and lens status after power failure
	Idle Motion	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified time
	Time Task	Auto activation of Preset/ Pan/ Scan/ Tour/ Pattern by preset-time



EYENOR® IR IP PTZ CAMERA


www.nordencommunication.com/eyenor

2MP 200M IR IP PTZ Camera

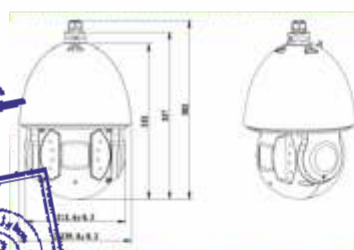
EYENOR®

ENC-HDG58IR

SPECIFICATION

MODEL	Model No.	ENC-HDG58IR
	Type	2MP IR IP PTZ Camera
	Compression	H.264 / MJPEG
	Resolution	1080P(1920×1080) / 720P(1280×720) / D1(704×576/704×480) / CIF(352×288/352×240)
	Frame rate	Main Stream: 1080P@1 (1 ~ 25/30fps), 720P(1~50/60fps) Sub Stream 1: D1/CIF1 ~ 25/30fps Sub Stream 2: 720P/D1/ CIF (1 ~ 25/30fps)
VIDEO	Bit-Rate	H.264: 56K ~ 8192Kbps, MJPEG: 56K ~ 20480Kbps
	Compression	G.711a / G.711u
	Interface	1/1 channel In/Out
	Auto-Tracking	Single-scene, multiple-scene, panorama-scene
	IVS (optional)	Tripwire, Intrusion, Cross Warning Zone, Perimeter Protection, Loitering Detection, Abandoned Object Detection, Missing Object Detection, Illegal Parking, Fast Moving and etc.
AUDIO	Tracking Trigger Mode	Manual / Auto (alarm triggered)
	Tracking Trigger Event	Targeting, Zoom, Tracking, Recording, Snapshot, Alarm and etc.
	Ethernet	RJ-45 (10/100Base-T)
	Protocol	IPv4/ IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, P Filter, QoS, Bonjour, 802.1x
	Compatibility	ONVIF, PSIA
NETWORK	Max. User Access	20 users
	Smart Phone	iPhone, iPad, Android, Windows Phone
	Memory Slot	Micro SD, Max 64GB
	RS485	1
	Alarm	7/2 channel In/Out
INTERFACE	Power Supply	AC24V(3A±25%), POE+
	Power Consumption	20W, 43W (IR on, Heater on)
	Working Environment	-40°C to +70°C / 10 to 90% RH
	Ingress Protection	IP66/IP67, IK10
	Dimensions	Φ240(mm) × 382 (mm)
GENERAL	Weight	6.75kg

Dimension Diagram



Description	Standard Quantity
2MP IR IP PTZ Camera with 30x Optical Zoom, WDR, SD-card Slot, POE+ and 200M IR Support	1

Packing Information

Part Number	Packing Mode	Gross Weight (kg)	Dimension (mm)
ENC-HDG58IR	Carton Box	6.75	240 × 240 × 382

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EYENOR | IR IP PTZ CAMERA

تاريخ الطباعة: 2016-05-01
وقت الطباعة: AM 7:46
رقم الطلب: EQA16000858



وزارة الداخلية
إدارة النظم الأمنية

إفادة

نوع الافادة : اعتماد معدة

بيانات المنشأة

الاسم التجاري: مراكز للخدمات الامنية
رقم السجل التجاري: 57852
رقم قيد المنشأة: 14-0743-00
البريد الإلكتروني:
رقم الفاكس:
المعدات

رقم الموديل	الشركة المصنعة	اسم المعدة
END-HDD36IM	Eyenor	IP CCTV Dome Camera

تفاصيل الإفادة

لا مانع من اعتماد المعدة بناء على الدراسة الفنية والمعايير في مجال التشغيل .

ملاحظات :

- يجب على المنشأة التي صدر لها الإفادة ما يلي:
- 1 - الالتزام بقرار معالي وزير الداخلية رقم (11) لسنة 2013 بشأن تحديد المواصفات الفنية للتكاميرات ولجهزة المراقبة الأمنية وأماكن ونقاط وضعها وتركيبها وفقاً للجدول المرفقة به .
 - 2- هذه المعدة معتمدة من قبل إدارة النظم الأمنية علماً بأنه توجد معدات أخرى معتمدة بنفس المواصفات الفنية.



ع/الرائد/

جاسم عبد الرحمن
مدير إدارة النظم الأمنية

HD Network IR Vandal-Proof Dome Camera

EYENOR®
END-HDD361M / END-HDD561M / END-HDD661M

FEATURES

High-Performance Image Processing Sensor Ambarella
 2/3MP Full-time & 4MP/20fps Resolution.
 H.264, Smart-AVC, Dynamic Region of Interest ROI,
 Low Latency, Low Bit Rate.
 4 Auto Control: AEWB, AGC, AE (Auto Exposure), AIC (Auto Iris Correction)
 Provide Superior HD and Superior Color Reproduction Image.
 Specially Designed for Low-light Environment, Provide Excellent Low-light
 Image Visual Effect Even at Night or in Poor Illumination Situation.
 Smart IR, Hardware Clock and Watchdog.
 Integrated EthernetPort: Anti-static, Lightning Protection;
 Power: Anti-reverse, Lightning, Short Circuit Protection.
 Support ONVIF/GB28181 Protocol, Compatible.
 DC12V (AC 24V or POE Optional).
 Vandal-proof (IKC 60068-2-75 test, Kh, 50t; EN 50102, over IK10); IR 100m/
 White Light Distance 30m.



Model No.	END-HDD361M	END-HDD561M	END-HDD661M
Type	1.3 Mega IR Zoom Vandal-proof dome camera	2 Mega IR Zoom Vandal-proof dome camera	3 Mega IR Zoom Vandal-proof dome camera
Image Sensor	1/3" 4MP Progress Scan CMOS	1/3" 4MP Progress Scan CMOS	1/3" 4MP Progress Scan CMOS
Minimum Illumination	Color: 0.01Lux @ F1.2 IAW; 0 Lux (IR Light on)	Color: 0.01Lux @ F1.2 IAW; 0 Lux (IR Light on)	Color: 0.01Lux @ F1.2 IAW; 0 Lux (IR Light on)
IR Distance	30m		
Electronic Shutter	1/1000s to 1/25s		
Lens	2.8~12mm		
IRR	3D		
S/N Ratio	>50dB		
Aperture	DC-iris connector DC drive auto / manual / fixed iris lens		
Day/Night	ICR Filter Switch, Manual, Automatic, Timing, Alarming Switch		
WDR	dWDR		
HLC	Support Electronic Shutter, Gain Control and High Light Control		
BLC	ON / OFF		
Video Compression	H.264 High Profile @ Level 5.1 / MPBG, (32 Kbps ~ 8Mbps, Smart-AVC stream 600Kbps @1080p30)		
Code Stream	VBR / CBR/turn rate		
Audio Compression	G.711 / AAC / MP2 (5.711Kbps) / MP2(16kHz 16bit 32Kbps)		
Max. Size	Full HD 1024P(1280x1024) + Full D1 Multi Code Stream Output	Full HD 1080P(1920x1080) + Full D1 Multi Code Stream Output	2MP/3MP/4MP + Full D1 4MP: 2688x1512 3MP: 2304x1296
Frame Rate	25fps (30fps optional)		
Setting	Adjustable Image Format, Standard, Code Rate, Brightness, Contrast, Saturation, Sharpness, White Balance, Image Flip, and Mirror (Passage Mode) Auto Control, AEWB, AGC, AE, AIC, Privacy Mask, Night vision DNR Test, Support over 3 different contents in any area, including Date, Time, Week, Channel Name, Remark and camera ID, Smooth Zoom, Speed Menu; Image Flip: Normal 90° 180° 270°; Automatic, manual or scheduled day / night mode, image mode (normal, night, wide, and optional support for digital wide dynamic, anti-flicker, watermarking technology, set the access port		
Exposure	Dark exposure, the center of exposure, average exposure and other designated		
ICR	Manual, Automatic, Timing, Alarming Switch		


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HD NETWORK IR VANDAL-PROOF DOME CAMERA

HD Network IR Vandal-Proof Dome Camera

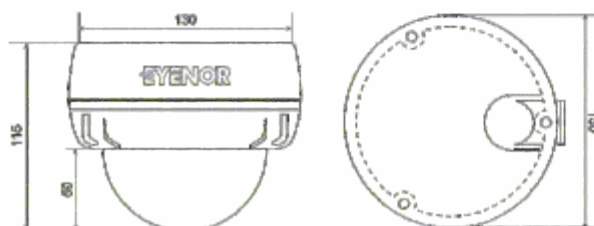
EYENOR®

END-HDD36IM / END-HDD56IM / END-HDD66IM

Model No.	END-HDD36IM	END-HDD56IM	END-HDD66IM
Type	1.3 Mega IR Zoom Vandal-proof dome camera	2 Mega IR Zoom Vandal-proof dome camera	3 Mega IR Zoom Vandal-proof dome camera
Intelligent Alarm	Face detection, motion detection, sensor alarm linkage, cross-border detection, intrusion detection area, detect objects left behind, shot blocking, traffic statistics		
Dynamic ROI	Dynamic ROI setting, Support to set fixed or dynamic tracking respectively		
Protocols	IPv4, TCP/IP, UDP, HTTP, DHCP, RTSP, RTMP, FTP, DHCP, DNS, NTP, IGMP, ICMP		
Lens	2.8-12mm		
Onvif	Support		
Standard GB/T28181	Support (Optional)		
General	Password Protection, Multi-access Control, Support Unicast and Multicast, 8 users access upon Unicast, Support IP Address Filteration Control, UPnP Protocol, easily search and manage IP cameras in batch, Continuous Transmit once Internet Reconnected, Redundancy Transmit Function, Support Auto Timing and Remote Upgrade		
Audio Interface	3.5mm Microphone/Line in, 3.5mm Line out		
Communication	RS485(Optional)		
POE	1ch Input / 1ch Output(Optional)		
Network	Support (Optional)		
Storage card interface	Optional(Built-in)		
Video Output	RM5(10/100M Self-adaptive)+ CVBS		
Working Condition	-10°C ~ 50°C, 10% to 90% non-condensing, IP66		
Vandal-proof	Vandal-proof (IEC 60668-2-75 Test, Eh: 50t, EN 50102, over IK10)		
Adjustment range	3-Axis rotation		
Power Supply	DC12V (AC24V or POE)		
Dimensions(mm)	130(Φ) x 115(H)mm		
Weight(with package)	1170g		

For Financial, Supermarket, Telecom, Government, School, Airport, Factory, Hotel and Other places need to be vandal-proof

Dimension Unit: mm



Ordering Information

Part Number	Description	Standard Quantity
END-HDD36IM	1.3 Mega IR Zoom Vandal-proof dome camera 1/3" 4MP Progress Scan CMOS	1
END-HDD56IM	2 Mega IR Zoom Vandal-proof dome camera 1/3" 4MP Progress Scan CMOS	1
END-HDD66IM	3 Mega IR Zoom Vandal-proof dome camera 1/3" 4MP Progress Scan CMOS	1

Packing Information

Part Number	Packing Mode	Gross Weight	Dimensions (mm)
END-HDD36IM	Carton Box	1.670	130 x 130 x 115
END-HDD56IM	Carton Box	1.670	130 x 130 x 115
END-HDD66IM	Carton Box	1.670	130 x 130 x 115

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EYENOR | HD NETWORK IR VANDAL-PROOF DOME CAMERA

تاريخ الطباعة : 2016-03-31
وقت الطباعة : 12:47
رقم الطلب : EQA16000860



وزارة الداخلية
إدارة النظم الأمنية

إفادة

نوع الإفادة : اعتماد معدة

بيانات المنشأة

الاسم التجاري: مراكز للخدمات الامنية
رقم السجل التجاري: 57652
رقم قيد المنشأة: 14-0743-00
البريد الإلكتروني:
رقم الفاكس:
المعدات

رقم الرخصة التجارية: 89045
رقم الهاتف:
صندوق البريد:

رقم الموديل	الشركة المصنعة	اسم المعدة
END-HDD56IM	EyeNor	IP CCTV Dome Camera

تفاصيل الإفادة

لا مانع من اعتماد المعدة بناءاً على الدراسة الفنية والمعايير في مجال التشغيل

ملاحظات :

يجب على المنشأة التي صدر لها الإفادة ما يلي:
1 - الالتزام بقرار معالي وزير الداخلية رقم (11) لسنة 2013 بشأن تحديد المواصفات الفنية لكاميرات وأجهزة المراقبة الأمنية ولما كان وفقاط وضعها وتركيبها وفقاً للجدول المرفقة به .
2- هذه المعدة معتمدة من قبل إدارة النظم الأمنية علماً بأنه توجد معدات أخرى معتمدة بنفس المواصفات الفنية.



ع/الرائد/

جاسم عبد الرحيم

مدير إدارة النظم

تاريخ الطباعة: 2016-03-31
وقت الطباعة: 1:00
رقم الطلب: EQA16000861



وزارة الداخلية
إدارة النظم الأمنية

إفادة

نوع الإفادة : اعتماد معدة

بيانات المنشأة

الاسم التجاري: مراكز للخدمات الامنية
رقم السجل للتجاري: 57652
رقم قيد المنشأة: 14-0743-00
البريد الإلكتروني:
رقم الفاكس:
للمعدات

رقم الرخصة التجارية: 89045
رقم الهاتف:
صندوق البريد:

رقم الموديل	الشركة المصنعة	إسم المعدة
END-HDD66IM	EyeNor	IP CCTV Dome Camera

تفاصيل الإفادة

لا مانع من اعتماد للمعدة بناءاً على الدراسة الفنية والمعايير في مجال التشغيل

ملاحظات :

- يجب على المنشأة التي صدر لها الإفادة ما يلي:
- 1 - الالتزام بقرار معالي وزير الداخلية رقم (11) لسنة 2013 بشأن تحديد المواصفات الفنية لكاميرات وأجهزة المراقبة الأمنية وأماكن وقواعد وضعها وتركيبها وفقاً للجنارل المرفقة به .
 - 2- هذه المعدة معتمدة من قبل إدارة النظم الأمنية علماً بأنه توجد معدات أخرى معتمدة بنفس المواصفات الفنية.



ع/الرائد/

جاسم عبد الرحيم

مدير إدارة النظم الأمنية

Network Keyboard, Control Keyboard & Dome Keyboard

EYENOR®
ENK-B1000

FEATURES

Keyboard to Control

- Eyenor High Speed Dome (all models)
- Eyenor Standalone DVR (ENK-B1000 only)
- Eyenor Network High Speed Dome (ENK-B1000 only)
- Network Video Server (ENK-B1000 only)

Connection

- ENK-B1000: RS485, RS422, USB, RS232 & Network

Three Dimensional Joystick Control of PTZ Functions

Preset Position, Auto Scan, Auto Pan, Auto Tour & Pattern Control

Auxiliary Functions

On-Screen Menu & User Operation Procedure Tips

Connect to SmartPSS via USB (ENK-B1000 only)



SPECIFICATION

MODEL	Model No.	ENK-B1000
	Type	Network Keyboard, Control Keyboard & Dome Keyboard
CAMERA	Keyboard Keypad	Electromechanical
	Joystick	3-axis, vector-solving, with twisting, return to-center head
	Keyboard Connector	RJ-45, RS232, RS485, RS422, USB
	Keyboard Communication	Direct Mode, Network Mode
	Direct Mode	Interface: RS232/RS485, DVR Protocol: DHZ, Dome Protocol: DH-SDP/ELCO-DVP/ELCO-WP/ELCO-D1/ELCO-D-P1
ENVIRONMENTAL	Network Mode	Interface: RJ45, DVR/Network Dome, IP Address/Port/Protocol
	Display	LCD, 79.2mm x 33.85mm
	Power Supply	Power adapter, input 100V~240V 50Hz / 60Hz, output DC12V/1000mA
	Power Consumption	5W
	Working Temperature	-10C to +55C
ENVIRONMENTAL	Working Humidity	10% to 90%
	Atmospheric Pressure	86kpa~106kpa
	Dimension	338mmx160(140)mmx37.5(27)mm (Wx DxH) (height: 100mm including joystick)
	Weight	2.5KG

Ordering Information

Part Number	Description	Standard Quantity
ENK-B1000	Network Keyboard, Control Keyboard & Dome Keyboard	1

Packing Information

Part Number	Packing Mode	Gross Weight (kg)	Dimension (mm)
ENK-B1000	Carton Box	2.5	330 x 160 x 37.5


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تاريخ الطباعة: 2016-05-01
وقت الطباعة: AM 7:35
رقم الطلب: EQA16001311



وزارة الداخلية
إدارة النظم الأمنية

إفادة

نوع الافادة : اعتماد معدة

بيانات المنشأة

الاسم التجاري: مراكز للخدمات الامنيه
رقم السجل التجاري: 57652
رقم قيد المنشأة: 14-0743-00
البريد الإلكتروني:
رقم الفاكس:
المعدات

رقم الموديل	الشركة المصنعة	اسم المعدة
ENK-B1000	EyeNor	Network Control Keyboard

تفاصيل الإفادة



لا مانع من اعتماد المعدة بناء على الدراسة الفنية والمعايير في مجال التشغيل .

ملاحظات :

- يجب على المنشأة التي صدر لها الإفادة ما يلي:
- 1 - الالتزام بقرار معالي وزير الداخلية رقم (11) لسنة 2013 بشأن تحديد المواصفات الفنية لكثيرات وأجهزة المراقبة الأمنية وأماكن ونقاط وضعها وتركيبها وفقاً للجدول المرفقة به .
 - 2- هذه المعدة معتمدة من قبل إدارة النظم الأمنية علماً بأنه توجد معدات أخرى معتمدة بنفس المواصفات الفنية.

ع/ للرائد /
جاسم عبد الرحمن بن هاشم السبيد
مدير إدارة النظم الأمنية

الإدارة العامة لنظم المعلومات
GEN. DIRECTORATE OF
INFORMATION SYSTEMS
إدارة النظم الأمنية
SECURITY SYSTEM DEPT

 Technical Submittal 						Submittal No. SR/AO/MSSC/TS /005	
TRANSMISSION OF TECHNICAL SUBMITTAL						Fire Services Date: 16	
CONTRACT : Agarwood Sahalah Resort						AB SUBMITTED FOR APPROVAL	
TO : Alamur Engineering Consultant Attn: Mr. Abdul Sattar Daway						YOUR INFORMATION REVIEW	
WE ARE SENDING HERewith THE TECHNICAL SUBMITTAL AS LISTED BELOW.						SATUS APPROVED APPROVED AS NOTED NOT APPROVED FOR INFORMATION RESUBMIT	
No	TECHNICAL SUBMITTAL REF.	Rev.	ITEM	DESCRIPTION	+ TYPE	Submittal	
1	ASR/AO/MSSC/MAS/ELV/005	2	MAS	CCTV SYSTEM			
Signature for Contractor						DATE: 16/11/2019	
REMARKS: CONSULTANT'S COMMENTS 1) Warranty Certificate to be attach for all Camera & NVR 2) All Camera & NVR should comply our technical & Requirement 3) Necessary Supports, Rails should be provide & Rail & All accessories. ④ Schematic should be submit							
COPIES						Signature for Consultant	
REMARKS: PROJECT MANAGER'S COMMENTS						DATE	
TO						Signature for Project Manager	
DATE						DATE	



DOCUMENT TRANSMITTAL SHEET

Ref: PM23/17/1611		Date: 17-May			
To:	Adhi Oman LLC	Fax:	22005040		
Attn:	Mr. Venugopal				
Cc:	Al Madina Real Estate S.A.O.C.	Fax:	24499120		
Project:	Agarwood Salalah Resort				
Purpose	<input type="checkbox"/> Approval	<input checked="" type="checkbox"/> Action	<input type="checkbox"/> Retention		
CONTR Ref:	SR/AO/MSSC/TS/005 (R2)	DATED: 16-05-2017			
No.	Item/ Ref.	Description	DRG/SPEC	Copies	Remark
1	ASR/AO/MSSC/MAS/ELV/005	CCTV SYSTEM	MAS	1	B

Best Regards,



Legend:

A - Approved

B - Approved as noted

Material Approval Sheet (MAS)

Reference	ASR-MSSC-MAS-ELV 005
Revision	2
Issue date	16/05/2017

Project Title	AGARWOOD SALALAH RESORT
Client	AL MADINA REAL ESTATE COMPANY
Consultant	ALAMUR ENGINEERING CONSULTANT
Main Contractor	Adhi Oman LLC

Details of material submitted for approval (To be filled by Contractor)

Discipline	<input type="checkbox"/> Civil <input type="checkbox"/> Architectural <input type="checkbox"/> Structural Mechanical <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Plumbing <input type="checkbox"/> Fire Fighting <input type="checkbox"/> Others (specify)		
Material	CCTV SYSTEM & TECHNICAL SPECIFICATION		
Attachments	<input checked="" type="checkbox"/> Compliance statement <input checked="" type="checkbox"/> Manufacturer Technical Literature <input type="checkbox"/> Test Results <input type="checkbox"/> Sample <input type="checkbox"/> Suppliers Details <input type="checkbox"/> List of previous done <input type="checkbox"/> Comparative statement <input type="checkbox"/> Copy of previous approval <input type="checkbox"/> Others		
Specific Product Reference	EYENOR (Norden)		
Brand/Manufacturer	Norden		
Local Supplier	Muscat Solution System Company		
COUNTRY OF ORIGIN	UK		
BOQ Reference	NSC/03	Drawing Reference	N/A
Specification Reference		BS Reference	N/A
Material Comply with Specification	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Delivery period after date of approval	6 week
Material Required at Site	20 DD 02 MM 2017 YYYY	Material Order Critical Date	28 DD 2 MM 20 YY
Financial Implication	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, why :	
In case of product recommended is Non-Omani, please give reason			
Remarks :			
MAS Generated By: Subair.S			

Consultant Response

Additional information required	1) Schematic for CCTV system 2) Necessary Rank should be provided for placing of NVR & all accessories
Comments	1) Warranty Certificate to be attached for all Camera & NVR 2) All Camera & NVR should comply technical Specification & Requirement. 3) Quantity should be as per latest Drawing.
<input type="checkbox"/> Approved <input checked="" type="checkbox"/> Approved with Comments <input type="checkbox"/> Resubmit after incorporating additional information required <input type="checkbox"/> Rejected	
Date of Issue:	

Client Response

Additional information required	
Comments	
<input type="checkbox"/> Approved <input type="checkbox"/> Approved with Comments <input type="checkbox"/> Resubmit after incorporating additional information required <input type="checkbox"/> Rejected	
Date of Issue:	

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Material Approval Sheet (MAS)

Revisions: AS
01
Revisions: 1
Issue date:

Project Title	AGARWOOD SALAJAH RESORT		
Client	AL MADINA REAL ESTATE COMPANY		
Consultant	ALAMUR ENGINEERING CONSULTANT		
Main Contractor	Adhi Oman LLC		
Details of material submitted for approval (To be filled by Contractor)			
Discipline	<input type="checkbox"/> Civil <input type="checkbox"/> Architectural <input type="checkbox"/> Structural Mechanical <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Plumbing <input type="checkbox"/> Fighting <input type="checkbox"/> Others (specify)		
Material	CCTV SYSTEM & TECHNICAL SPECIFICATION		
Attachments	<input checked="" type="checkbox"/> Compliance statement <input checked="" type="checkbox"/> <input type="checkbox"/> Manufacturer Technical literature <input type="checkbox"/> Test Results <input type="checkbox"/> Sample <input type="checkbox"/> Suppliers Details <input type="checkbox"/> previous done <input type="checkbox"/> Comparative statement <input type="checkbox"/> copy of previous approval <input type="checkbox"/> Others		
Specific Product Reference	EVERFOCUS		
Brand/Manufacturer	AL MADINA S.A.O.C		
Local Supplier	Muscat Solution System Company		
COUNTRY OF ORIGIN	Taiwan		
BOQ Reference	NSC/03	Drawing Reference	
Specification Reference		BS Reference	N/A
Material Comply with Specification	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Delivery period after date of approval	6week
Material Required at Site	20 02 2017	Material Order Critical Date	28
	DD MM YYYY		DD
Financial Implication	<input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, why :	
In case of product recommended is Non-Omani, please give reason			
Remarks :			SEAL, SIGNATURE
MAS Generated By: Subair.S			

Consultant Response

Additional information required
 - Previous Comments. And required to attach with response of Contractor

Comments
 - Subject to approval based on fully complied project specification.
 - Currently Certificate required for camera attach in site.
 - Final approval based on project requirement fully satisfied and end.

☐ Approved
☐ Approved with Comments
☐ Resubmit after incorporating additional information required
☐ Rejected

Date of Issue:

SEAL, SIGNATURE

Client Response

Additional information required

Comments
 Refer to consultant comment.

☐ Approved
☐ Approved with Comments
☐ Resubmit after incorporating additional information required
☐ Rejected

Date of Issue:

SEAL, SIGNATURE



شركة مسقط للحلول والأنظمة
muscat solutions & systems company

Date: 16th

To: M/s Alamur engineering Consultant

Kind Attn: Mr. Abdul Sattar

Resident Engineer

After Compliments,

Project : Salalah Agarwood Resort @ Apartments

Subject:- New CCTV System Proposal

Dear Sir,

I would like to inform you that here I am submitting our new proposal for CCTV System. We are providing very poor support from the old CCTV System supplier (Everfocus Made in Taiwan) accordingly I am kindly requesting you to review our new proposal which is much better than our old approved proposal.

We are looking forward for your best support regarding this matter.

Yours Sincerely,

For Muscat Solutions & Systems Company LLC


Subair.S





8 BAY 32CH EMBEDDED NETWORK VIDEO RECORDER

ENR-08032-N



FEATURES

- Up to 32ch IP Camera access
- Easy to use Same Interface of GUI/WEB/client
- 8 SATA hard disk, each up to 8TB
- 2/14/5 10M/100M/1000M network interface
- Simultaneous HDMI & VGA, Up to 4K output
- 2 x 2.0 & 1 x 3.0 USB Host
- 1ch Audio I/O
- 16ch Alarm input, 4ch Alarm output



SPECIFICATION

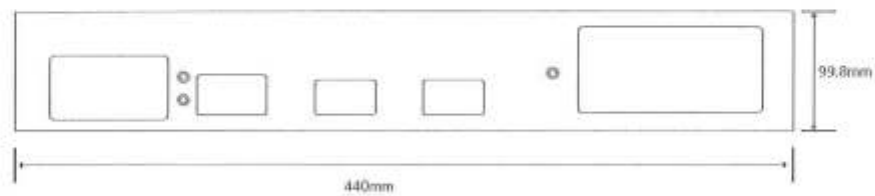
[illegible]

8 BAY 32CH EMBEDDED NETWORK VIDEO RECORDER

ENR-08032-N

EYENOR®

Dimension Unit: mm



Ordering Information

Part Number	Description	Standard Quantity
ENR-08032-N	32CH Embedded Network Video Recorder with 8 HDD Bay Supports HDMI, VGA and CVI/	1

Packing Information

Part Number	Packing Mode	Gross Weight (kg)
ENR-08032-N	Carton Box	2.2



4MP IR IP VANDAL PROOF DOME CAMERA

EYENOR

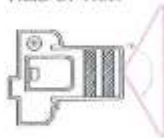
ENC-HVD7F-15R-56

FEATURES

1/3" Progressive Scan CMOS
 Fixed Lens 3.6mm
 4MP@20fps, 3MP@30fps, 1080P@30fps
 Triple Streams
 Smart IR Range 10-15M
 Low bitrate, Excellent low light performance
 WDR, 3D DNR
 ROI, Defog, HLC, Corridor mode, DRS
 Compact Design



Field Of View



SPECIFICATION

CAMERA	Model No.	ENC-HVD7F-15R-56
	Type	4MP IR IP Vandal Proof Dome Camera
	Image Sensor	1/3" Progressive Scan CMOS
	Min. Illumination	Color 0.05Lux@ ON 0 Lux
	Resolution	4MP
	Max. Frame Rate	15-120FPS
	Auto Iris	Fixed
	Wide Dynamic Range	WDR>120dB
	3D Digital Noise Reduction	3D DNR
	Optical Lens	Fixed Lens 3.6mm
	FOV	70°
	IR LED	2pcs
	IR Range	10-15M
IMAGE	Video Compression	H.264/265, MJPEG
	Bit Rate (CBR/VBR)	Main stream 500kb-12000kb, Sub stream 100kb-6000kb
	Audio Compression	G.711, AAC, PCM
	Max. Resolution	2592*1520/25fps, 1440/30fps, 720p/125fps, 1920x1080/30fps
	Stream	Stream 1: 2592*1520/25fps, 1440*720/30fps, 720p/125fps, 1920x1080/30fps, Stream 2: D1 to DVS
	Image Setting	Rotate, Rotate, Saturation, Brightness, Contrast, Sharpness
	HLC	Yes
	9.15 Corridor mode	Yes
	DD	Auto
	ROI	Yes
	Defog	Yes



4MP IR IP VANDAL PROOF DOME CAMERA

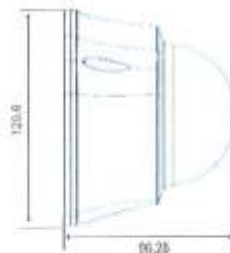
EYENOR

ENC-HVD7F-15R-56

SPECIFICATION

MODEL	Model No.	ENC-HVD7F-15R-56
	Type	4MP IR IP Vandal Proof Dome Camera
	Network Protocol	HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, RTP, PPPoE, Unicast and Multicast supported.
	Alarm Trigger	Motion Detection, Network disconnect, Disk alarm, IO alarm
	RTSP/Video	Standard RFC2826, Support QuickTime / VLC Player.
	Security	User security authentication, Reset, Hardware WatchDog
NETWORK	Web Language	English, Polish, Italian, Portuguese, Spanish
	System Compatibility	Onvif, CGI
INTERFACE	Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
	Microphone	Yes, built-in
	Audio IO	1ch Audio In/1ch Audio Out
	Alarm IO	1ch Audio In/1ch Audio Out
	RS485	Optional
	BNC Output	Yes
GENERAL	Reset Button	Yes
	Edge Storage	Micro SD/SDHC/SDXC slot, Max 128GB
	Power Supply	DC 12V/PoE
	Power Consumption	SWMR LED OFF: 7W (R: LED ON)
	Operating Temperature	-40 °C ~ 60 °C (-40 °F ~ 140 °F)
	Operating Humidity	0% ~ 90% RH
GENERAL	Ingress Protection	IP66
	Approval	CE / FCC
	Dimensions	120.6x96.28mm
	Weight	0.70Pq

Dimension Unit: mm



Ordering Information

Item Number	Description	Standard Quantity
ENC-HVD7F-15R-56	4MP IR IP Vandal Proof Dome Camera with 3.6mm Spherical 2.8mm Fixed lens, POE, 100 x 60 SMD and 15M IR support	1

Packing Information

Item Number	Product Name	Item Weight (kg)	Standard Quantity
ENC-HVD7F-15R-56	Camera Box	0.70	1pc/5x100 Ea/Bx/20

2MP IP HIGH SPEED PTZ DOME CAMERA

ENC-HHP5Z-22X-52

EYENOR

FEATURES

1/2.8" Progressive Scan CMOS
 22X Optical Zoom, 16X Digital Zoom
 Full HD 1080P
 Multiple Streams
 Low bitrate, Good low light performance
 3D DNR, dWDR, ICR



SPECIFICATION

CAMERA	Model No.	ENC-HHP5Z-22X-52
	Type	1MP IP High Speed PTZ Dome Camera
	Image Sensor	1/2.8" Progressive Scan CMOS
	IR Illumination	Color 0.02Lux; B&W 0.002Lux
	ICR	ICR
	Shutter Speed	1/10000 - 1/500
	WDR	4:1 High Dynamic Range
	Wide Dynamic Range	Yes
	Image Size / Aspect Ratio	1080P
	Lens	2.8mm, 3.6mm, 4.3mm, 5.8mm
	Digital Zoom	16X
	FOV	58.7° - 8.2°
	FOCR	1.2mm, 1.6mm, 2.0mm, 2.8mm
	FOV (H/V)	46°/26.7°
IMAGE	Video Compression	H.264 High@Main/Baseline Profile, MPEG
	Bit Rate (CBR/VBR)	Main stream: 500kbps-1280kpbs; Sub stream: 100kpbs-640kpbs
	Audio Compression	G.711, G.726, PCM
	Audio Resolution	16000/10000/8000
	Stream	Stream 1: 1080/1080, Stream 2: Q1 to QVGA
	Image Setting	Rotate 360°, Saturation, Brightness, Contrast, Sharpness
	WDR	Yes
OTHER	ICR	Yes



2MP IP HIGH SPEED PTZ DOME CAMERA

EYENOR

ENC-HHP5Z-22X-52

SPECIFICATION

GENERAL	Model No.	ENC-HHP5Z-22X-52
	Type	2MP IP High Speed PTZ Dome Camera
	Network Protocol	IPv4/IPv6, RTSP/RTMP/RTCP, TCP/UDP, HTTPS, DHCP, DNS, DDNS, PPPoE, SMTP
	Alarm Trigger	Motion, Intrusion, Line Crossing, Tamper, Network disconnect, Disk alarm, IO alarm
	RTSP Video	Standard RFC2326, Support QuickTime / VLC Player
	Security	User security authentication, Reset, Hardware WatchDog
	Web Language	English, Polish, Italian, Portuguese, Spanish
INTERFACE	System Compatibility	Onvif, CGI
	Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
	Audio IO	1ch Audio In/1ch Audio Out
	Alarm IO	2ch Alarm In, 1ch Alarm Out
	RS485	Yes
	BNC Output	Yes
	Reset Button	Yes (Built-in)
NETWORK	Edge Storage	Micro SD/SDHC/SDXC (slot Built-in) Max 64GB
	Power Supply	AC 24V/2 SA
	Power Consumption	MAX 32W
	Operating Temperature	-40 °C ~ 60 °C (-40 °F ~ 140 °F)
	Operating Humidity	0% ~ 90% RH
	Image Protection	IRIS, TVS6000y
	Approvals	CE / FCC
GENERAL	Dimensions	237x237x295mm
	Weight	4.5Kg

Dimension Unit:mm



Ordering Information

Part Number	Notes/Options	Standard Quantity
ENC-HHP5Z-22X-52	2MP IP High Speed PTZ Dome camera with 2.2x optical zoom and SD card slot support	1

Packing Information

Part Number	Quantity/Box	Weight (kg)	Dimensions (mm)
-------------	--------------	-------------	-----------------

4MP H.265 IR IP DOME CAMERA

ENC-HD07F-15R-65

EYENOR

FEATURES

1/3" Progressive Scan CMOS
 2.8mm (3.6/5mm optional)
 4MP@20fps, 3MP@30fps, 1080P@30fps
 Triple Streams
 Smart IR Range 10-15M
 Low bitrate, Excellent low light performance
 WDR, 3D DNR
 ROI, Detog, HLC, Corner mode, DSS
 Compact Design



SPECIFICATION

CAMERA	Model No.	ENC-HD07F-15R-65
	Type	4MP H.265 IR IP Dome Camera
	Image sensor	1/3" Progressive Scan CMOS
	Min. Illumination	Color: 0.05Lux, IR: 0 Lux
	Resolution	4MP
	Frame Rate	15-1/20000
	Audio	1ch
	Video Stream - H.265	WDR: 120dB
	Video Stream - H.264	20/30
	Lens	2.8mm (3.6/5mm optional)
	IRV	00
	IR LED	2pcs
	IR Range	10-15M
	Video Compression	H.264/265, MJPEG
	Bit Rate (CBR/VBR)	Main stream: 500kb-12000kb, Sub stream: 100kb-6000kb
NVR	Audio Compression	G.711, G.726, AAC
	Max. Resolution	2592*1520/25fps, 1440*720fps, 720*1296/30fps, 1920x1080/30fps
	Stream	Stream 1: 25/15/30/25fps, 1440/720p4, 1296/1920p1080; Stream 2: H.264 to ONVIF
	Image Setting	Exposure mode, Saturation, Brightness, Contrast, Sharpness
	HLC	Yes
	16:16 Center mode	Yes
	ROI	Auto
	Detog	Yes



4MP H.265 IR IP DOME CAMERA

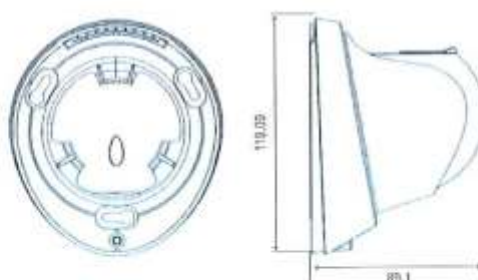
EYENOR

ENC-HD07F-15R-65

SPECIFICATION

MODEL	Model No.	ENC-HD07F-15R-65
	Type	4MP H.265 IR IP Dome Camera
	Network Protocols	HTTP, HTTPS, TCP/IP, UDP/IP, RTP, DHCP, NTP, PPPoE, Unicast and Multicast supported.
	Alarm Trigger	Motion Detection, Network disconnect, Disk alarm, IO alarm
	HTTP Video	Standard H.264/H.265, Support QuickTime / VLC Player.
NETWORK	Access	User security authentication, Rtel, Hardware WatchDog
	Web Language	English, Polish, Italian, Portuguese, Spanish
	System Compatibility	Devil, CGI
	Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
	Microphone	Yes, built-in
INTERFACE	Audio IO	1ch Audio In / 1ch Audio Out
	Alarm IO	Optional 1ch Alarm In/Out
	RS485	N/A
	BNC Output	N/A
	Reset Button	Yes (built-in)
GENERAL	Edge Storage	N/A
	Power Supply	DC 12V/PoE
	Power Consumption	5W@IR LED OFF; 7W (IR LED ON)
	Operating Temperature	-40 °C ~ 60 °C (-40 °F ~ 140 °F)
	Operating Humidity	0% ~ 90% RH
GENERAL	Ingress Protection	IP66
	Approvals	CE / FCC
	Dimensions	119.03x89.1mm
	Weight	0.5kg

Dimensions Unit: mm



Ordering Information

Order Number	Description	Minimum Quantity
ENC-HD07F-15R-65	4MP H.265 IR IP Dome Camera with 5.8mm optional 2.85mm fixed lens, PoE, WDR and VSM IR support	1

Packing Information

Order Number	Contents	Weight (kg)	Dimensions (mm)
ENC-HD07F-15R-65	Camera Box	0.5	119.03x89.1x40.0

4MP H.265 IR IP BULLET CAMERA

EYENOR

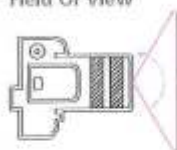
ENC-HBU7M-25R-69

FEATURES

1/3" Progressive Scan CMOS
 Motorized lens 2.8-12mm
 4MP@20fps, 3MP@30fps, 1080p@30fps
 Triple Streams
 Smart IR Range 20-25M
 Low bitrate, Excellent low light performance
 WDR, 3D DNR
 ROI, Defog, HLC, Comdor mode, DRS



Field Of View



SPECIFICATION

CAMERA	Model No.	ENC-HBU7M-25R-69
	Type	4MP H.265 IR IP Bullet camera
	Image Sensor	1/3" Progressive Scan CMOS
	Min. Illumination	Color 0.05Lux, IR 0 Lux
	Day/Night	PCS
	Shutter Speed	1/5 - 1/20000
	Auto I/O	Yes
	Video Dynamic Range	WDR>120dB
	Digital Noise Reduction	2D/3D
	Lens	Motorized 2.8-12mm
	FOV	90° - 35°
	IR LED	10pcs
	IR Range	20-25M
IMAGE	Video Compression	H.264/265, MJPEG
	Bit Rate (CBR/VBR)	Main stream: 500kb-12000kb; Sub stream: 100kb-6000kb
	Audio Compression	G.711, RAW, PCM
	Max. Resolution	2592*1520/2560*1440/2048*1536/30fps, 1920*1080/30fps
	Stream	Stream 1: 2592*1520/2560*1440/2048*1536/1920*1080; Stream 2: D1 to QVGA
	Image Setting	Rotate Mode, Saturation, Brightness, Contrast, Sharpness
	HLC	Yes
	3-in-1 Comdor mode	Yes
IMAGE	ROI	Auto
	Defog	Yes



4MP H.265 IR IP BULLET CAMERA

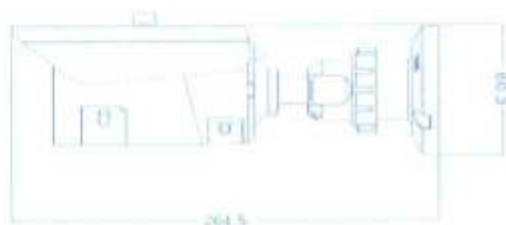
EYENOR

ENC-HBU7M-25R-69

SPECIFICATION

MODEL	Model No.	ENC-HBU7M-25R-69
	Type	4MP H.265 IR IP Bullet Camera
NETWORK	Network Protocols	HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, PPPoE, Unicast and Multicast supported.
	Alarm Trigger	Motion Detection, Line Crossing, Tamper, Area Intrusion, Camera Move, Dwell, Multiple Dwell, Retrograde Detection, Object Left, Object Remove, Abnormal Speed, Illegal Parking, Network disconnect, Disk alarm
	RTSP Video	Standard RFC2326, Support QuickTime / VLC Player.
	Security	User security authentication, Reset, Hardware WatchDog
	Web Language	English, Polish, Italian, Portuguese, Spanish
INTERFACE	System Compatibility	Onvif, CGI
	Ethernet	Ethernet (10/100 Base-T) RJ-45 Connector
	Audio I/O	1ch Audio In/1ch Audio Out
	Alarm I/O	N/A
	RS485	N/A
GENERAL	BNC Output	Yes
	Reset Button	Yes
	Edge Storage	Micro SD/SDHC/SDXC slot, Max128GB
	Power Supply	DC 12V PoE
	Power Consumption	3W@IR LED OFF; 5.5W @IR LED ON
	Operating Temperature	-40 °C ~ 60 °C (-40 °F ~ 140 °F)
	Operating Humidity	0% ~ 90% RH
	Ingress Protection	IP66
	Standards	CE / FCC
	Dimensions	80.3x80.3x264.5mm
	Weight	0.03Kg

Dimension Unit: mm



Ordering Information

Part Number	Description	Ordering Unit
ENC-HBU7M-25R-69	4MP H.265 IR IP Bullet Camera with 2.8 to 12mm Motorized lens, PoE, 32 cam Mbit, WDR, Analytic feature and PSIM II support	1

Packing Information

Part Number	Packing Method	Weight (kg)	Dimensions (mm)
ENC-HBU7M-25R-69	Camera Box	0.04	80.3x80.3x264.5



الخدمات الفنية Tomorrow Technical Investment

TTI-326/CCTV
04-06-2018

Details and brand of items to be used in CCTV for For 24 classroom Girls Basic Education school at Somhan Wilayat Barka

Sl.No	Description	Qty	Unit	Brand
1	Network TDN WBR IR rugged Dome Camera , 1/3" CMOS,4MP,2.7-12mm MFZ, 2 high power IR LEDs , POE, H.264, Micro SD , 128 GB MAX, IP 66, IK 10, UL, CE, FCC Listed (NORDEN) ENV-HVD7V-30R-20	21	Nos	EYENOR
2	Network TDN WBR IR rugged Bullet Camera , 1/3" CMOS,4MP,2.7-12mm MFZ, 2 high power IR LEDs , POE, H.264, Micro SD , 128 GB MAX, IP 66, UL, CE, FCC Listed (NORDEN) ENV-HBU7V-50R-20	8	Nos	EYENOR
3	NVR, 32-Channel, H.265, 4K 12 MP, 8 SATA, (NORDEN) ENR-08D32-N-IRK	1	Nos	EYENOR
4	0621C00X Seagate 6TB HDD	5	Nos	
5	48" LED TV	1	Nos	

Client

Seal:

Signature:



To,
Norden Communication UK Ltd.
United Kingdom.

It's a privilege for us to have an association with Norden Communication UK Ltd, your significant contribution and support has elevated Ransom Mary's position in the market and helped us win various projects in UK during the period from Jan-Dec 2018 which is a significant achievement of Ransom Mary.

Ransom Mary testify and strongly recommend to all our customers to go with Norden passive and CCTV solutions, which is high in terms of quality in the market and easy to deploy solution, also great support we received from Norden.

I would like to appreciate Norden for the support and significant contribution in bringing our organization to this level and helping us win the projects. You have always given quality output in all the projects you undertook which is commendable.

Thanking you,

Anil Raynold

Ransom Mary Ltd.



REFERENCES

EYENOR[®]



International Projects



1080P IP bullet cameras were used in the Sochi Olympic stadium. These Outdoor cameras work in under -40°C temperatures and are supported by standard PoE.



Bullet cameras were used at St. Paul Brazil. It has a unique design and Effio-e transparent image quality with Effio solution.

Banking Industry



In total of 2000 pieces of fisheye cameras and 2.0 MP Dome cameras were used in ING Bank.



Hundreds of bullet camera were used for the project.

Banking Industry



Since 2009, more than 90000pcs of Surveillance cameras have been used in the ABC Bank project .



We successful won the bid with excellent and high quality products.

Banking Industry



Successful won the bid with excellent and high quality products.

PRODUCT CATALOGUES

EYENOR®



SURVEILLANCE SYSTEM



UK, EUROPE & USA

Norden Communication UK Ltd
Unit 13, Baker Close,
Oakwood Business Park
Clacton-on-Sea, C015 4BD, Essex
United Kingdom

Tel: +44 [0] 1255 474063
E-mail: support@norden.co.uk

MIDDLE EAST & AFRICA

Norden Communication Middle East FZE
P.O. Box. 341072
Dubai Silicon Oasis
Dubai, UAE

Tel: +971 4 3926391
Fax: +971 4 3926395
E-mail: sales@nordencommunication.ae

ASIA

Norden Singapore PTE Ltd.
7 Temasek Boulevard,
#12-07 Suntec Tower One,
Singapore 038987

Tel: +65 6589 8449
Fax: +65 6917 8977
E-mail: sales@norden.com.sg

Norden Communication Pvt Ltd
Level 1, Tower D, RMZ Infinity
Municipal No.3, Old Madras Road
Bangalore - 560 016, India

Phone: +91 80 67431217
E-mail: sales@norden.in



Norden Communication UK Ltd
20 - 22 Wenlock Road, London N17GU, United Kingdom

Tel: +44 [0] 2038587135
E-mail: sales@nordencommunication.com
www.nordencommunication.com/eyenor