

PID:  
12100047

## Certificato di approvazione

CID:  
CN.T0005G

## Approval certificate



IMQ, ente di certificazione accreditato,  
autorizza la ditta

IMQ, accredited certification body, grants to

PRD N° 005B

Membro degli Accordi di Mutuo  
Riconoscimento EA, IAF e ILAC  
Signatory of EA, IAF and ILAC  
Mutual Recognition Agreements

**Zhejiang Dahua Vision Technology Co., Ltd.**  
**No.1399,Binxing Road,Binjiang District**  
**Hangzhou**  
**CN - China**

all'uso del marchio

the licence to use the mark

### IMQ-SISTEMI DI SICUREZZA

Il presente certificato è  
soggetto alle condizioni  
previste nel Regolamento  
"MARCHI IMQ - Regolamento  
per la certificazione di prodotti"  
ed è relativo ai prodotti descritti  
nell'Allegato al presente  
certificato.



per i seguenti prodotti

for the following products

**Centrali antiintrusione**  
**( Modd. DHI-ARC3800H-FW2(868)**  
**- DHI-ARC3800H-W2(868) )**

**Intrusion systems - Control and**  
**indicating equipment**  
**( Models DHI-ARC3800H-FW2**  
**(868) - DHI-ARC3800H-W2(868) )**

This certificate is subjected to the  
conditions foreseen by Rules  
"IMQ MARKS - RULES for  
product certification" and is  
relevant to the products listed in  
the annex to this certificate.

Emesso il | Issued on **2024-09-18**

Aggiornato il | Updated on ---

Sostituisce | Replaces ---

Scade il | Expires on **2027-09-17**

IMQ S.p.A.

Allegato - Certificato di approvazione  
Annex - Approval certificate

Emesso il | Issued on 2024-09-18  
Aggiornato il | Updated on ---  
Sostituisce | Replaces ---  
Scade il / Expires on 2027-09-17

## Prodotto | Product

# Centrali antiintrusione Intrusion systems - Control and indicating equipment

## Concessionario | Licence Holder

Zhejiang Dahua Vision Technology Co., Ltd.  
No.1399,Binxing Road,Binjiang District  
Hangzhou  
CN - China

## Marchio | Mark



IMQ-SISTEMI DI  
SICUREZZA

## Costruito a | Manufactured at

PL.U00010 C06423667

Hangzhou

China

Copia del presente certificato deve essere conservata presso i luoghi di produzione sopra elencati.

Copy of this certificate must be available at the manufacturing places listed above

## Norme / Specifiche tecniche

Prodotto/i conforme/i alle Norme/Specifiche tecniche:

EN 50131-3:2009  
EN 50131-1:2006 + A1:2009 + A2:2017 + A3:2020  
EN 50131-6:2017 + A1:2021  
EN 50131-10:2014  
EN 50136-1:2012 + A1:2018  
EN 50136-2:2013 + A1:2023  
EN 50130-4:2011 + A1:2014  
EN 50130-5:2011  
EN IEC 62368-1:2020 + A11:2020

Prodotti conformi agli obiettivi di sicurezza della Direttiva B.T. 2014/35/UE (Allegato I).  
EN 50131-5-3:2017

## Standards / Technical specifications

Product/s complying to Standards/Technical specifications:

EN 50131-3:2009  
EN 50131-1:2006 + A1:2009 + A2:2017 + A3:2020  
EN 50131-6:2017 + A1:2021  
EN 50131-10:2014  
EN 50136-1:2012 + A1:2018  
EN 50136-2:2013 + A1:2023  
EN 50130-4:2011 + A1:2014  
EN 50130-5:2011  
EN IEC 62368-1:2020 + A11:2020

Products meeting the safety objectives of Low Voltage Directive 2014/35/EU (Annex I).  
EN 50131-5-3:2017

## Rapporti | Test Reports

SS24-0098977-01

## Caratteristiche tecniche | Technical characteristics

Tensione nominale alimentazione | Rated supply voltage **100-240 Vac**  
Frequenza nominale alimentazione | Rated supply frequency **50/60 Hz**  
Corrente massima assorbita | Rated current **0.4 A**  
Numero ingressi | Inputs **150**  
Grado di sicurezza | Security grade **Grade 2**  
Classe ambientale | Environmental class **Class II**

## Articoli (con dettagli) | Articles (with details)

AR.Y004SD

Marca | Trade Mark **DAHUA TECHNOLOGY**

Modello | Model **DHI-ARC3800H-FW2(868)**

Grado di protezione contro il contatto elettrico | Degree /  
of protection against electric shock

Tipo di capacità massima della batteria di accumulatori **3.7 Vdc 4750 mAh batteria al Ltio / Lithium battery**

allocabile | Type and maximum capacitance of the  
battery

Altre caratteristiche | Further characteristic **Vedere ulteriori informazioni / See additional information**

AR.Y004SF

Marca | Trade Mark **DAHUA TECHNOLOGY**

Modello | Model **DHI-ARC3800H-W2(868)**

Grado di protezione contro il contatto elettrico | Degree /  
of protection against electric shock

Tipo di capacità massima della batteria di accumulatori **3.7 Vdc 4750 mAh batteria al Ltio / Lithium battery**

allocabile | Type and maximum capacitance of the  
battery

Altre caratteristiche | Further characteristic **Vedere ulteriori informazioni / See additional information**

## Ulteriori informazioni | Additional Information

Il Sistema è configurabile e gestibile mediante due APP:

DMSS (Versione V1.99.624 - 2024.03.14) per prima installazione e successivamente utenti (Livello di accesso 2).  
DoLynK Care (Versione 1.004.0000005) per installazione e configurazione (garantisce il Livello di Accesso 3);  
Le centrali Via Radio DHI-ARC3800H-FW2(868), DHI-ARC3800H-W2(868) differiscono per l'assenza della sezione GSM.  
150 dispositivi via Radio (6 sirene, 64 Rivelatori, 64 telecomandi, 8 Tastiere e 4 ripetitori), sistema di  
trasmissione classificato SP2, DP2.

SP2: LAN/WIFI utilizzando il protocollo CLOUD APP- DMSS (reporting time default 150") o ARC reporting time min.  
25 h);

DP2: LAN/WIFI utilizzando il protocollo CLOUD, APP DMSS (reporting time default 150") o ARC reporting time min.  
30 min) e secondario GPRS/4G utilizzando CLOUD APP DMSS (reporting time default 150") o ARC reporting time min.  
30 min).

Contenuta in involucro plastico (dimensione 174.8 x 174.8 x 38.3 mm) provvisto di dispositivo antiapertura e  
anti-rimozione, con al suo interno le seguenti parti:

- Scheda Alimentatore Switching (Pcb n. EOP-12-12 1A ECU2.932.12941) connessa via pin alla scheda  
madre;

- Scheda Madre (Pcb n. 95\_079 80236976);

- Scheda dual sim (Pcb n. 66\_384 80236464) (Non presente nella versione DHI-ARC3800H-W2(868));

- Batteria al litio Ricaricabili marca LARGE costruttore Dongguan Large Electronics Co., Ltd. modello  
01DQ0023-69 rated 3.7 V 4750 mAh;

La centrale è provvista delle seguenti periferiche Via Radio:

- Contatto magnetico Via radio mod. DHI-ARD324-W2(868) (Pcb n. 31\_528, 80226388), con batteria al Litio  
marca WUHAN FANSO TECHNOLOGY type CR123A rated 3 V 1500mAh;

- Contatto magnetico Via radio mod. DHI-ARD324-W2(868S) (Pcb n. 31\_528, 80226388), con batteria al  
Litio marca WUHAN FANSO TECHNOLOGY type CR123A rated 3 V 1500mAh;

- Rivelatore ad IR+MW Via Radio mod. DHI-ARD2231-W2(868) (Pcb n. 41\_363 + 41\_351 + 73\_343) con  
batteria al Litio WUHAN FANSO TECHNOLOGY mod. CR123A rated 3 V 1500mAh;

- Espansione I/O Via Radio mod. DHI-ARM320-W2(868) (Pcb n. 86\_142, 80236471) con batterie al Litio  
WUHAN FANSO TECHNOLOGY mod. CR123A rated 3 x 3 V 1500mAh da montare all'interno di un

- involucro conforme EN50131 Grado 2 Classe II, Prove meccaniche non eseguite;

- Rivelatore IR+MW Via Radio mod. DHI-ARD2251E-W2(868) (Pcb n. 105\_051 80237262 + 66\_389  
80236889 + 73\_343 + 42\_435 80236679) con batterie al Litio WUHAN FANSO TECHNOLOGY mod.

- CR123A rated 4 x 3 V 1500mAh;

- Rivelatore IR+MW Via Radio Triple-Tech Detector mod. DHI-ARD2251E-W2(868V) (Pcb n. 105\_051  
80237262 + 66\_389 80236889 + 73\_343 + 42\_435 80236679) e modulo camera IR mod. DHI-ARD1130-  
CAM (Pcb n. 98\_080 80236687 + 103\_055 80236688 + 98\_081 80236687) con batterie al Litio WUHAN  
FANSO TECHNOLOGY mod. CR123A rated 4 x 3 V 1500mAh;

- Sirena per interno Via Radio mod. DHI-ARA14-W2(868) (Pcb n. 95\_081 80237164 + 95\_075 80236988)  
con batterie al litio WUHAN FANSO TECHNOLOGY mod. CR123A rated 4 x 3 V 1500mAh;

- Ripetitore Radio mod. DHI-ARA43-W2(868) provvisto di involucro plastico (dimensioni 163 x 163 x 32  
mm) provvisto di antiapertura e antirimozione, con all'interno le seguenti parti:

- Alimentatore Switching Plug-in marca AMC Technology type EVSF+24120-1500 rated Input: 100-  
240Vac, 50/60Hz, 0.6A Output: 12Vdc, 1.5A Certified by UL;

- Scheda madre (Pcb n 68\_317);

- 1 Batteria al Litio Ricaricabili marca Zhuhai Gushine Electronic Technology, Ltd. Mod. MZ852LI rated 3.6  
Vdc 2150 mAh, (Battery cell PANASONIC type UR18650A) o in alternativa;

- 1 Batteria al litio Ricaricabili marca LARGE costruttore Dongguan Large Electronics Co., Ltd. modello  
MZ852LI rated 3.7 Vdc 2150 mAh;

- Contatto magnetico Via radio mod. DHI-ARD323-W2(868) (Pcb n. 30\_363 80207271), con batteria al Litio  
marca WUHAN FANSO TECHNOLOGY type CR123A rated 3 V 1500mAh;

- Contatto magnetico Via radio mod. DHI-ARD323-W2(868S) (Pcb n. 30\_363 80207271), con batteria al  
Litio marca WUHAN FANSO TECHNOLOGY type CR123A rated 3 V 1500mAh;

- Rivelatore ad IR Via Radio mod. DHI-ARD1233-W2(868) (Pcb n 41\_351 80206978 + 41\_363 80207174)  
con batteria al Litio WUHAN FANSO TECHNOLOGY mod. CR123A rated 3 V 1500mAh;

- Sirena per interno Via Radio mod. DHI-ARA12-W2(868) (Pcb n. 30\_364 80207090), con 2 batterie al litio WUHAN FANSO TECHNOLOGY mod. CR123A rated 3 V 1500mAh;
- Telecomando mod. DHI-ARA24-W2(868) (Pcb n. 21\_923 80216168), con batteria al litio CHANGZHOU JINTAN CHAOCHUANG BATTERY mod. CR2032 rated 3 V;
- Sirena per Esterno Via radio mod. DHI-ARA13-W2(868) (Pcb n. 73\_275), 4 x batterie al Litio marca WUHAN FANSO TECHNOLOGY mod. CR123A rated 3 V 1500mAh;
- Tastiera con lettore di prossimità Via Radio mod. DHI-ARK30T-W2(868) (Pcb n. 48\_420) 4 x batterie alcaline mod. NECTIUM mod. LR6 AA 1.5 V;
- Pulsante antipanico Via Radio mod. DHI-ARD821-W2(868) (Pcb n. 42\_363) e DHI-ARD822-W2(868) (Pcb n. 42\_363), batteria al litio CR2032.
- Rivelatore ad IR Via Radio mod. DHI-ARD1731-W2(868) (Pcb n 31\_532 + 42\_393 + 31\_534) con batteria al Litio WUHAN FANSO TECHNOLOGY mod. CR123A rated 3 V 1500mAh.
- Tastiera LCD Via Radio mod. DHI-ARK30K-W2(868) (Pcb n. 73\_244 80216483), Alimentatore Switching Plug-in marca AMC Technology type EVSF+24120-1500 rated Input: 100-240Vac, 50/60Hz, 0.6A Output: 12Vdc, 1.5A Certified by UL, e Batteria Al Litio ricaricabile marca DONGGUAN ANYFINE ELECTRONIC TECHNOLOGY CO., LTD mod. L018-31 rated 3.7 Vdc 2000 mAh.

The systems are manageable by two APP:

DMSS (Version V1.99.624 2024.03.14) for installation and configuration First set up (access level 2 and 3) and users (access level 2).

DoLynk Care (Version 1.400.0000005) for installation and configuration (access level 3).

Wireless control and indicating equipment type DHI-ARC3800H-FW2(868) and DHI-ARC3800H-W2(868) (differences regard absence of GSM module 4G). configuration:

150 channels wireless peripherals (6 sirens, 64 PIR cameras, 64 keyfobs, 8 keypads and 4 repeaters);

Provided by communicator WiFi, Ethernet port, 4G GSM classified:

SP2: LAN/WIFI using CLOUD, APP DMSS (reporting time default 150") or ARC reporting time min. 25 h);

DP2: primary LAN/WIFI using CLOUD, APP DMSS (reporting time default 150") or ARC reporting time min. 30 min)

and secondary GPRS/4G using CLOUD APP DMSS (reporting time default 150") or ARC reporting time min. 30 min).

It is contained in a plastic enclosure (dimensions 174.8 mm × 174.8 mm × 38.3 mm) provided by opening, removal tamper device, internally it is fitted with the following main parts:

- Power supply board (PCB n. EOP-12-12 1A ECU2.932.12941) connected by pin to main board;

- Main board (PCB n. 95\_079 80236976) provided by ethernet port and dual SIM GSM 4G;

- Dual sim board (PCB n. 66\_384 80236464) (Not provided for DHI-ARC3800H-W2(868));

- Lithium battery Dongguan LARGE Electronics type 01DQ0023-69 rated 3.7 V 4750 mAh.

The CIE is also provided of the following wireless devices:

- Wireless Magnetic contact type DHI-ARD324-W2(868) (Pcb n. 31\_528, 80226388), Lithium battery WUHAN FANSO TECHNOLOGY type CR123A rated 3 V 1500 mAh;

- Wireless Magnetic contact type DHI-ARD324-W2(868S) (Pcb n. 31\_528, 80226388), Lithium battery WUHAN FANSO TECHNOLOGY type CR123A rated 3 V 1500 mAh;

- Wireless Infrared and Microwave detector type DHI-ARD2231-W2(868) (Pcb n 41\_363 + 41\_351 + 73\_343) Lithium battery WUHAN FANSO TECHNOLOGY type CR123A rated 3 V 1500 mAh;

- Wireless Input Expander type DHI-ARM320-W2(868) (Pcb n. 86\_142, 80236471) Lithium battery WUHAN FANSO TECHNOLOGY type CR123A rated 3 x 3 V 1500 mAh to be mounted inside enclosure accordance to EN50131

Grade 2 Class II, mechanical

test not performed;

- Wireless Triple-Tech Detector DHI-ARD2251E-W2(868) (Pcb n. 105\_051 80237262 + 66\_389 80236889 + 73\_343 + 42\_435 80236679 ) Lithium battery WUHAN FANSO TECHNOLOGY type CR123A rated 4 x 3 V 1500 mAh;

- Wireless Triple-Tech Detector DHI-ARD2251E-W2(868V) (Pcb n. 105\_051 80237262 + 66\_389 80236889 + 73\_343 + 42\_435 80236679 ) and IR camera module DHI-ARD1130-CAM (Pcb n. 98\_080 80236687 + 103\_055 80236688 + 98\_081 80236687) Lithium battery WUHAN FANSO TECHNOLOGY type CR123A rated 4 x 3 V 1500 mAh;

- Wireless Internal Warning device type DHI-ARA14-W2(868) (Pcb n. 95\_081 80237164 + 95\_075 80236988) Lithium battery WUHAN FANSO TECHNOLOGY type CR123A rated 4 x 3 V 1500mAh.

- Wireless Alarm repeater type DHI-ARA43-W2(868) provided by plastic enclosure (dimensions 163 x 163 x 32 mm) provided by opening, removal tamper device, internally it is fitted with the following main parts:

- Switching power supply Plug-in trademark AMC Technology type EVSF+24120-1500 rated Input: 100-240Vac, 50/60Hz, 0.6A Output: 12Vdc, 1.5A;

- Main board (Pcb n 68\_317);

- 1 x Lithium recharge battery pack trademark Zhuhai Gushine Electronic Technology, Ltd. Type MZ852LI rated 3.6 Vdc 2150 mAh, (Battery cell PANASONIC type UR18650A) or as alternative;

- 1 x Lithium recharge battery pack trademark LARGE manufacturer Dongguan Large Electronics Co., Ltd. Type MZ852LI rated 3.7 Vdc 2150 mAh;

- Wireless Magnetic contact type DHI-ARD323-W2(868) (Pcb n. 30\_363), Lithium battery WUHAN FANSO TECHNOLOGY type CR123A rated 3 V 1500 mAh;

- Wireless Magnetic contact type DHI-ARD323-W2(868S) (Pcb n. 30\_363), Lithium battery WUHAN FANSO TECHNOLOGY type CR123A rated 3 V 1500 mAh;

- Wireless Infrared detector type DHI-ARD1233-W2(868) (Pcb n 41\_351 + 41\_363 ) Lithium battery WUHAN FANSO TECHNOLOGY type CR123A rated 3 V 1500 mAh;

- Wireless Warning device type DHI-ARA12-W2(868) (Pcb n. 30\_364), 2 x Lithium battery WUHAN FANSO TECHNOLOGY type CR123A rated 3 V 1500 mAh;

- Wireless Keyfob type DHI-ARA24-W2(868) (Pcb n. 21\_923 80216168), Lithium battery CHANGZHOU JINTAN CHAOCHUANG BATTERY type CR2032 rated 3 V;

- Wireless External Warning device type DHI-ARA13-W2(868) (Pcb n. 73\_275), 4 x Lithium battery WUHAN FANSO TECHNOLOGY type CR123A rated 3 V 1500 mAh;

- Wireless Keypad with proxy reader type DHI-ARK30T-W2(868) (Pcb n. 48\_420) 4 x alkaline battery NECTIUM type LR6 AA 1.5 V rated 2.1 Ah;



- Wireless Panic Button type DHI-ARD821-W2(868) (Pcb n. 42\_363) and DHI-ARD822-W2(868) (Pcb n. 42\_363), lithium battery CR2032 rated 3 V 235 mAh;
- Wireless Infrared detector type DHI-ARD1731-W2(868) (Pcb n 31\_532 + 42\_393 + 31\_534) Lithium battery WUHAN FANSO TECHNOLOGY type CR123A rated 3 V 1500 mAh;
- Wireless LDC Keyboard type DHI-ARK30K-W2(868) (Pcb n. 73\_244), Supplied by PSU Plug-in trademark AMC Technology type EVSF+24120-1500 rated Input: 100-240Vac, 50/60Hz, 0.6A Output: 12Vdc, 1.5A and Lithium recharge battery pack trademark DONGGUAN ANYFINE ELECTRONIC TECHNOLOGY CO., LTD type L018-31 rated 3.7 Vdc 2000 mAh.

## Componenti | Component List

**Vedere apposito elenco / See relevant annex**

Emesso il | Issued on **2024-09-18**

Aggiornato il | Updated on ---

Sostituisce | Replaces ---

Scade il | Expires on **2027-09-17**

## Diritti di concessione | Annual Fees

SN.Y000IQ

EMY.121000.DA2N

Importo modelli IMQ - centrali - 1210 - Centrali ed apparati ausiliari | IMQ models - control panel - 1210  
 - Central processing units and auxiliary apparatus

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Annex to Approval Certificate No. CA12.02149

Issue: 1

Date: 2024-09-18

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1.5.1 TABLE: List of critical components					
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1)</sup>
Mains cord set  (1)	UNIRISE ELECTRIC WIRE & COABLE CO., LTD	Plug UE-212	250 V~, 16 A	EN60320- 1:2015+ AC:2016  EN60320- 3:2014	VDE
		Cord H05VVH2-F	2 x 0.75mm <sup>2</sup>	EN60525-2- 11:2011	VDE
		Socket UE- 224	250 V~, 2.5 A	EN60320- 1:2015+ AC:2016  EN60320- 3:2014	VDE
Power switching supply  (2)(3)	ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD	DHI-ARA61, ARA61	Input: 100 V a.c.- 240 V a.c., 50/60 Hz, 0,4 A; Output: 12 V d.c., 1 A	EN IEC 62368- 1:2020+A11:202 0	SGS (BE- 46711)
Enclosure  (1)	SHANGHAI KUMHO SUNNY PLASTICS CO LTD	PC/ABSHAC8 25XNH	1,5mm, V-0	UL 94	UL (E254819)
PCB board  (1)	Huizhou Kedisheng Technology Co Ltd	L-2	94V-0, 130°C	UL94	UL (E312490)
<b>CPU board (PCB n. 95_079 80236976)</b>					
Battery  (2)	Dongguan Large Electronics Co.,Ltd.	01DQ0023-69	3.7 V, 4750 mAh	IEC 62133- 2:2017/AMD1:20 21	UL (DK- 150836-UL)
PTC RT3  (1)	WAYON	LP- MSML300/16 HF	3 A, 16 V	EN 60730- 1/A2+A13+A14+ A15	TUV, UL
PTC RT1, RT2  (1)	Polytronics Technology Corp.	SMD1812P15 0TFC	1.5 A, 24 V	EN 60730- 1/A2+A13+A14+ A15	TUV, UL
PCB boards  (1)	Shenzhen Suntak Multilayer PCB Co.,Ltd.	STM-5	Flame class UL94V-0, min. 130°C	UL94	UL (E207844)



**Annex to Approval Certificate No. CA12.02149**

**Issue: 1**

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- (1) Approved component replaceable with another one also approved with equivalent characteristics.
- (2) Component tested together with the appliance.
- (3) Component used in alternative.

***Unless otherwise stated (1), the above components can not be replaced without IMQ authorization.***