

ALARM SECURITY

Products and Solutions

2018 Ver. 2

CONTENTS

● Wireless System		02 - 05
Products		
Solution		
● Wired System		06 - 11
Products		
Solution		
● Field Surveillance System		12 - 14
Products		
Solution		

Wireless System

Wireless

The whole system can be installed in a few quick steps. Two-way communication with a long transmission range.

Alarm + Video

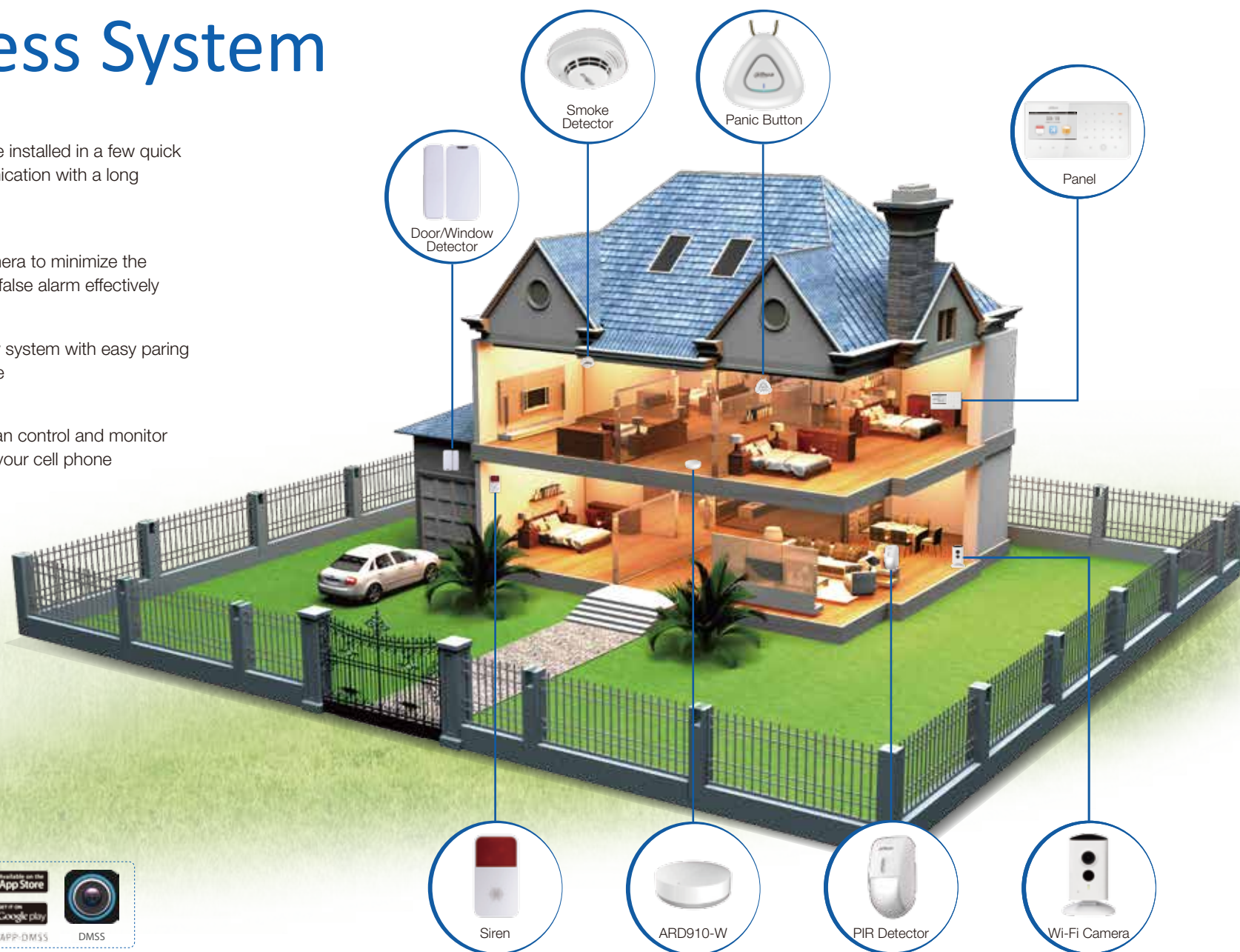
Detectors plus Wi-Fi camera to minimize the probabilities of miss and false alarm effectively

Easy

Enjoy your home security system with easy paring and friendly user interface

APP

Wherever you are, you can control and monitor your home security with your cell phone



Match
with



iphone/Android APP-DMSS

DMSS

Controller



ARC2000B-W
Alarm Hub



- 32 wireless zones, up to 150m transmission distance (open space/no interference)
- 16 wireless key fobs (ARA22-W)
- 4 wireless sirens
- Built-in speaker
- Wi-Fi (IEEE 802.11)
- DC5V, Max 10W



ARC5402A-GW
Video Alarm Control Panel



- 2 wired zones
- 32 wireless zones, up to 150m transmission distance (open space/no interference)
- 8 wireless key fobs (ARA22-W)
- 4 wireless sirens
- 4CH IPC Surveillance
- 10s voice message
- Wi-Fi (IEEE 802.11)
- PSTN, GSM and TCP/IP
- RFID reader (arm/disarm)
- Micro SD card that records in a loop
- DC12V, Max 12W

KIT Devices

The wireless intrusion alarm system is based on Dahua Airfly technology. It delivers large transmission range, ensures 'Two-way' security communication. It adopts green design to save energy, enabling up to 3 years battery life for the detectors.



ARA42-W
Wireless Repeater

- Max 2-level cascade connections
- DC5V USB power supply
- Two-way communication, 150m transmission distance in the open air



ARA22-W
Remote Control

- Arm / Stay arm / Disarm / SOS
- LED indicator



ARA10-W
Siren

- 85 dB/m
- Built-in tamper switch
- Wall mount
- 4xCR123A battery



ARD1611-W
Curtain PIR Detector

- 10m/15° detecting range/angle
- Built-in tamper switch
- Ceiling/Wall mount
- 1xCR123A battery
- ABS plastic



ARD311-W
Magnetic Contact

- 25mm magnet gap
- Screw or 3M glue to mount
- Built-in tamper switch
- 1xCR123A battery



ARD1231-W
PIR Detector

- 12m/ 90° detecting range/angle
- Pet immunity 18kg
- Built-in tamper switch
- Wall mount
- 1xCR123A battery
- ABS plastic



ARD910-W
Flood Detector

- Contact flood detection technology
- IP66 waterproof
- All-in-one or split installation
- 1xCR123A battery



ARD800-W
Panic Button

- Activation via one easy-to-use button
- Neck strap included
- Long-life lithium battery included



FAD122A-W
Smoke Detector

- Infrared photoelectric sensor
- Loud 85dB
- Self-test and mute key
- 30 days low battery warning
- Wall mount

KIT

- New stylish package, new experience
- Complete accessories, easy installation and operation
- Excellent cost performance

DHI-ART-ARC2000B-03



DHI-ART-ARC5402A-GW-06-A35



DHI-ART-ARC2000B-06-C35

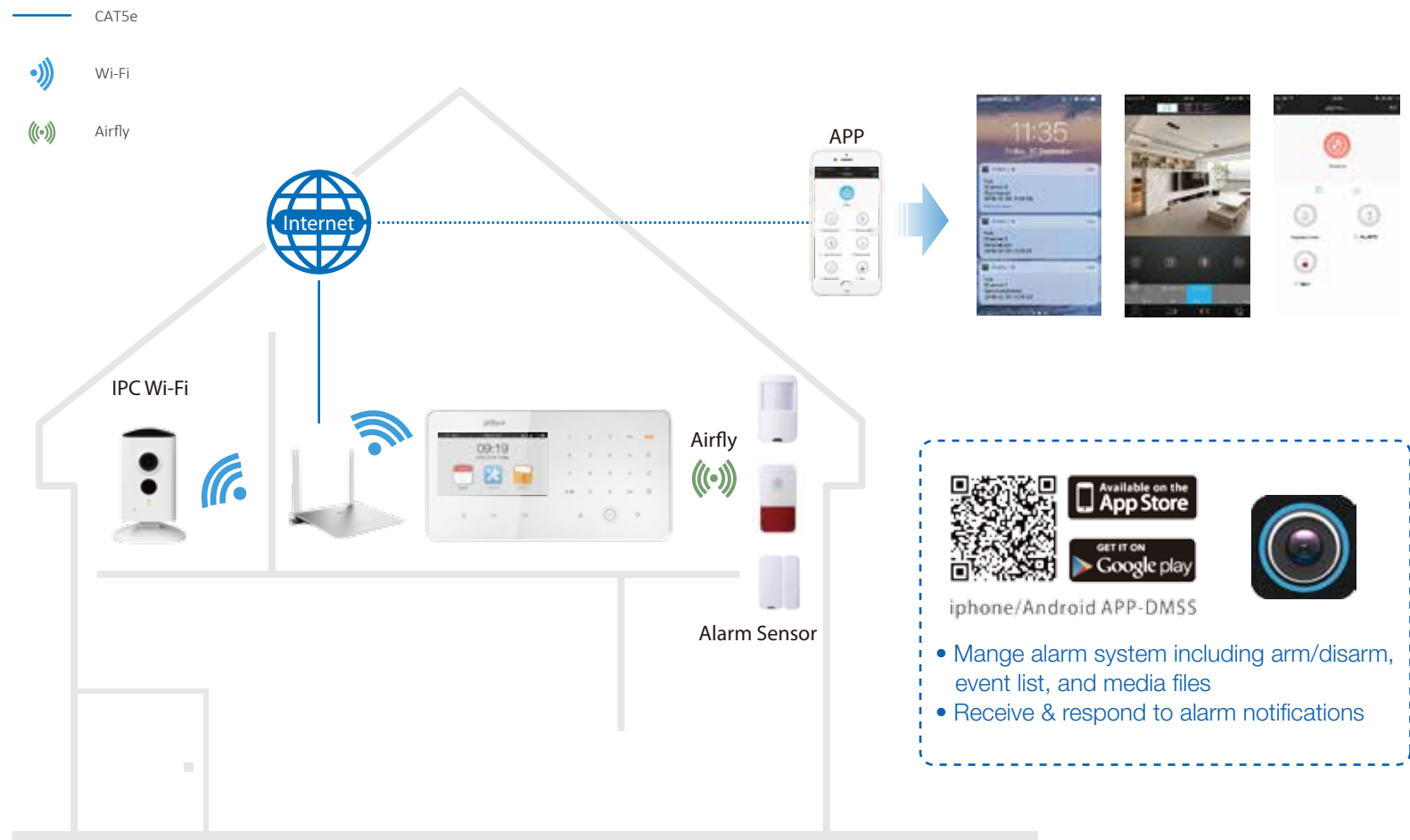


DHI-ART-ARC5402A-GW-10-A35-C35

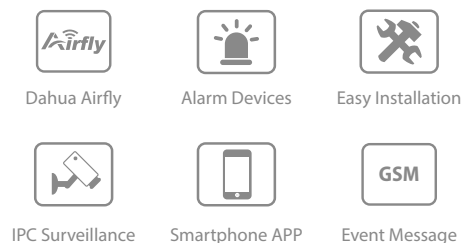


> Wireless Home Security

Place wireless sensors anywhere and batteries last three years. No phone line is needed, when an alarm is triggered it uses Wi-Fi or cellular technology to instantly tell us of any break-ins in your home. You control your system, arming and disarming it using either a handy keychain remotely, or using smartphone APP. Cutting-edge wireless communication. No installation fees. No contracts and monthly fees. Just intelligent home security.



Features



Recommended



Wired System

Reliability

EOL resistors allow the control panel to supervise the field wiring for open or short circuit conditions.

Completeness

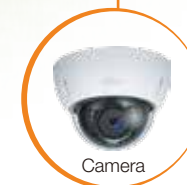
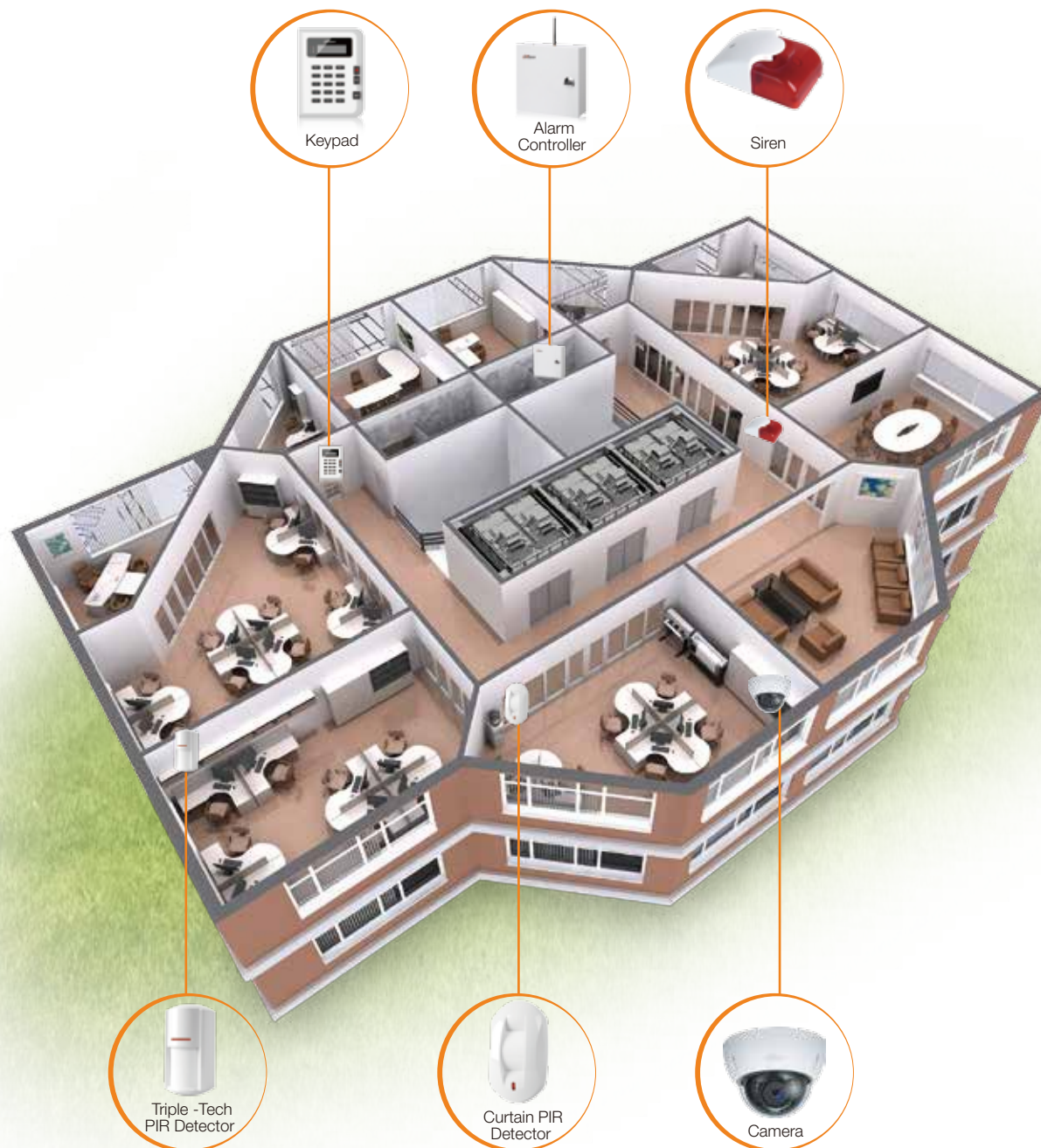
Wide product portfolio includes motion detector, door/window detector, keypad, siren, and module

Alarm + Video

Integration of surveillance cameras with alarm controller to view your home/store from anywhere.

Software

The PC alarm client can configure ,manage and monitor dozens of controllers



Controller

- High performance controllers are embedded with Linux OS, high reliability
- Whole series can be used in various applications
- Alarm plus CCTV can minimize the probabilities of miss alarm and false alarm effectively



Controller

Controller	
	9 Series General Controller
Model	ARC9016C-(G)
	
On-board Zones	16
Hardwire Expansion Zone	expansion to 256 (ARM801/ARM802/ARM808/ARM808-S)
PGM Output	8,expansion to 64 (ARM708/ARM716)
Keypad	8
Wireless Key Fob	—
Tamper Switch	1
Video Input	—
Max Record Rate	—
Display	—
Audio In/Out	—
Ethernet	1×100M port
PSTN	1, Contact ID protocol
GPRS/WCDMA	GPRS(-G)
Max HDD	—
Battery Required	Max.DC12V 7Ah
Dimensions	280mm×280mm×90mm
Working Temperature	-10°C~+55°C
Power	AC 100-240V, 50/60Hz Max 35W

Controller

Controller

	5 Series Video Controller		2 Series General Controller	
Model	ARC5808C-(C)	ARC5408C-(C)	ARC2016C-(G)	ARC2008C-(G)
				
On-board Zones	8	8	16	8
PGM Output	4	4	4, expansion to 20 (ARM708/ARM716)	4, expansion to 20 (ARM708/ARM716)
Keypad	8	8	8	8
Wireless Key Fob	16 (ARA21-W)	16 (ARA21-W)	8 (ARA21-W)	8 (ARA21-W)
APP	DMSS	DMSS	—	—
Tamper Switch	1	1	1	1
Video Input	8CH CVBS/IPC	4CH CVBS/IPC	—	—
Max Record Rate	240fps@720P	120fps@720P	—	—
Display	HDMI,VGA,TV	HDMI,VGA,TV	—	—
Audio In/Out	4/1	4/1	—	—
Ethernet	1×100M port	1×100M port	1×100M port	1×100M port
PSTN	1, Contact ID protocol	1, Contact ID protocol	1, Contact ID protocol	1, Contact ID protocol
GPRS/WCDMA	WCDMA(-C)	WCDMA(-C)	GPRS(-G)	GPRS(-G)
Max HDD	2x3.5-inch HDD 4TB	2x3.5-inch HDD 4TB	—	—
Battery Required	Max.DC12V 7Ah	Max.DC12V 7Ah	Max.DC12V 7Ah	Max.DC12V 7Ah
Dimensions	350mm×350mm×93mm	350mm×350mm×93mm	275mm×275mm×75mm	275mm×275mm×75mm
Working temperature	-10°C~+55°C	-10°C~+55°C	-10°C~+55°C	-10°C~+55°C
Power	AC 100-240V, 50/60Hz Max 50W	AC 100-240V, 50/60Hz Max 50W	AC 100-240V, 50/60Hz Max 35W	AC 100-240V, 50/60Hz Max 35W

Detector							
	Pet Immunity PIR Detector	Ceiling PIR Detector	Triple-Tech PIR Detector	Outdoor Triple-Tech PIR Detector	Triple -Tech Ceiling PIR Detector	Curtain PIR Detector	Curtain PIR Detector (86 box)
Model	DH-ARD1232	DH-ARD1111C	LH-928BC	LH-650IC	DH-ARD2111C	DH-ARD1631	DH-ARD1612
							
Detecting Range/angle	12m/90°	6m/360°	12m/90°	12m/110°	8m/360°	6m,10m optional/15°	6m/15°
Microwave Frequency	—	—	10.525GHz	10.525GHz	10.525GHz	—	—
Mounting Type	Wall mount	Ceiling mount	Wall mount	Wall mount	Ceiling mount	Wall mount	Ceiling/Wall mount
Installation Height	2.2m	2.5-3.6m	2.2m	2.2m	2.5-3.6m	2.2m	<3.6m
Pet Immunity	25kg	—	35kg	35kg	—	—	—
Relay Output	N.C./N.O. optional	N.C.	N.C./N.O. optional	N.C./N.O. optional	N.C./N.O. optional	N.C./N.O. optional	N.C./N.O. optional
Tamper Switch	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.
Material	ABS plastic	ABS plastic	ABS plastic	ABS plastic	ABS plastic	ABS plastic	ABS plastic
Working temperature	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C
Dimensions	107mm×52mm×36.5mm	116mm×28.2mm	120mm×60mm×40.6mm	129.8mm×62.7mm×51.4mm	135mm×38mm	90mm×50mm×33mm	80mm×34.5mm×28mm
Power Requirements	DC9-16V, 20mA	DC9-16V, 20mA	DC9-16V, 30mA	DC9-16V, 30mA	DC12-24V, 35mA	DC9-16V, 22mA	DC9-16V,20mA

Detector

Detector		
	Quad Beam Detector	Dual Beam Detector
Model	LHP-200Q	LHP-30D
		
Distance	200m	60m
Beams	4	2
Detection System	4 beams cut simultaneously	2 beams cut simultaneously
Relay Output	N.C./N.O. optional	N.C./N.O. optional
Tamper Switch	N.C.	N.C.
Ingress Protection	IP55(outdoor)	IP55(outdoor)
Axis Rotation Angle	Horizontally 180(±90°) Vertically 20(±10°)	Horizontally 180(±90°) Vertically 20(±10°)
Material	ABS plastic	ABS plastic
Working temperature	-25°C~+55°C	-25°C~+55°C
Dimensions	345mm×110mm×105mm	195mm×80mm×77mm
Power Requirements	DC12-24V, 35mA	DC12-24V, 35mA

Detector				
	Glass Break Detector	Wooden Door/ Window Contact	Iron Door Contact	Smoke Detector
Model	DH-ARD511	DH-ARD313	DH-ARD312	FAD201A-W
				
Detecting Range/Angle	5m,9m optional	>20mm	>40mm	>60mm
Mounting Type	Ceiling/Wall mount	Surface mount	Surface mount	Ceiling/Wall mount
Relay Output	N.C.	N.C.	N.C.	N.O.
Tamper Switch	N.C.	—	—	—
Material	ABS plastic	ABS plastic	Plated metal	ABS plastic
Working temperature	-10°C~+80°C	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C
Dimensions	92mm×67mm×26.4mm	63.5mm×12.5mm×12.5mm	50mm×18mm×10mm	103mm×104mm×46mm
Power Requirements	DC9-16V, 150mA	<DC100V, 500mA	<DC100V, 500mA	DC9V-DC15V

Accessories							
Name	Indoor Siren	Outdoor Siren	Keypad	Four-Key Remote Control	Panic Button (86 box)	Emergency Button	Detector Bracket
Model	DH-ARA11	DH-ARA16	ARK10C	ARA21-W	DH-ARD811	DH-ARD812	DH-ARA31A
Appearance							
Description	105 dB/m 200/minute DC9-15V, 300mA	105 dB/m DC9-15V, 300mA	RS485 protocol LCD screen Wall mount DC12V, 200mA	Arm/Stay arm/Disarm/SOS LED indicator Work with ARC20XXC-G, ARC5X08C-(C)	N.C./N.O. optional ABS material 85mmx85mmx33mm	N.C./N.O. optional 53.6mmx36mmx27mm	Multi-angle adjustable (120°) ABS material

Accessories				
Name	Single-Zone Input Module	Dual-Zone Input Module	Single-Zone Input & Single Relay Output Module	Dual-Zone Input & Single Relay Output Module
Model	ARM801	ARM802	ARM911	ARM921
Appearance				
Description	1 zone input MBus protocol, 2.4km Work with ARC9016C 10K EOL	2 zones input MBus protocol, 2.4km Work with ARC9016C 10K EOL	1 zone expansion, 1 relay output MBus protocol, 2.4km Work with ARC9016C 10K EOL	2 zones expansion, 1 relay output MBus protocol, 2.4km Work with ARC9016C 10K EOL

Accessories				
Name	Zone Expansion Module(MBus)	Zone Expansion Module(RS485)	Output Expansion Module	Output Expansion Module
Model	ARM808	ARM808-S	ARM708	ARM716
Appearance				
Description	8 zones expansion Mbus protocol, 2.4km Work with ARC9016C 136x132x30mm 10K EOL	8 zones expansion RS485, 1.2km Work with ARC5X08C-(C), ARC9016 136x132x30mm 2.2K EOL	4 relay out (24VDC 1A) and 4 relay out (220VDC 3A) RS485, 1.2km Work with ARC2008/2016C, ARC9016 136x132x30mm 2.2K EOL	12 relay out (24VDC 1A) and 4 relay out (220VDC 3A) RS485, 1.2km Work with ARC2008/2016C, ARC9016 136x132x30mm 2.2K EOL

Field Surveillance System

Field Surveillance System

- Power & environment supervision
- Optional user-defined linkages and alerts against physical , environmental or human threats
- Video surveillance



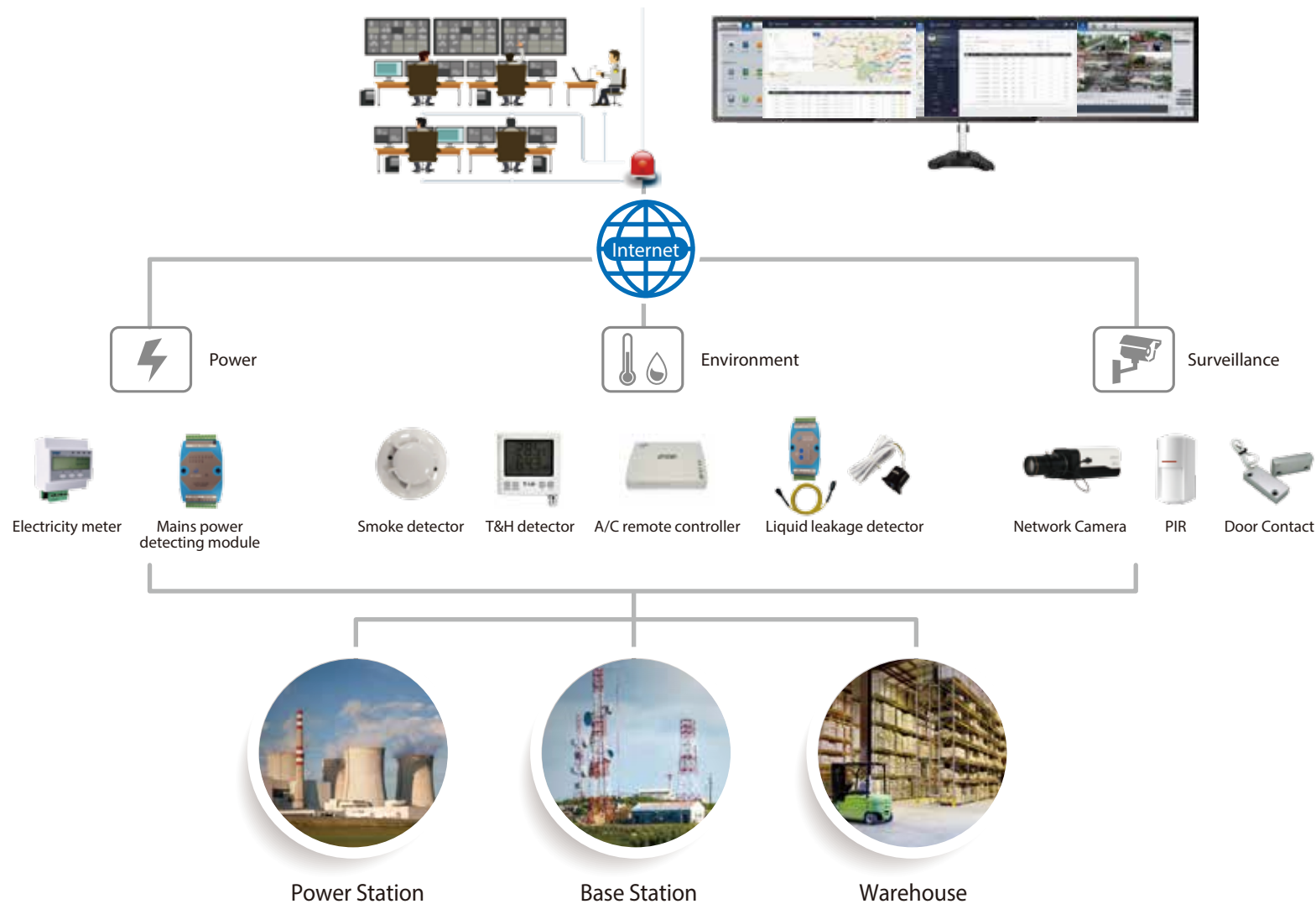
Field Surveillance Unit

	ARC6416U-C	FSU2004H-F
Model		
Analog Alarm Inputs	8 AI,4-20mA current type	4 AI,4-20mA current type
Digital Alarm Inputs	16 DI(dry contact) interface	4 DI(dry contact) interface
Smoke Detector	1	1
RS485 Inputs	8	3
RS232 Inputs	2	1
ITU-Bus	-	1 group, up to 64 temperature probes(detectors)
IR Control	-	1 group, connect with infrared emitter
Protocol	Modbus-RTU,Modbus-AS6CII,1363,Modbus-TCP,etc.	Modbus-RTU,Modbus-AS6CII,1363,Modbus-TCP,etc.
Alarm Outputs	4 NO/NC programmable outputs	2 NO/NC programmable outputs
IP Camera Input	4CH@1080P	2CH@1080P
HDD	2x4TB	1x2TB
SD Card	32GB including	32GB including
Network Interface	4x100M Ports,2 Gigabit Ports	1x100M Port
Cellular IP modem	WCDMA/GPRS/GSM (-C)	LTE/WCDMA/CDMA/GPRS/GSM and more (-F)
Power	DC 12V/DC -48V/DC 8~48V 20W (Load power supply<60W)	DC 12V/DC 8~48V 15W (Load power supply<30W)
Working Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Installation	Rack-mounted	Wall mount, desktop

Field Surveillance System

Power		
Name	Electricity meter	Mains power detecting module
Model	DTSD3366M-4H	ZHT-DS85I
Appearance		
Description	RS485 output Current/Voltage/Power Wall mount, DC 18-60V	RS485 output Mains supply detecting DC 5-16V

Environment				
Name	A/C remote controller	T&H detector	Liquid leakage (point)	Liquid leakage (area)
Model	ZHT-AC485T	TC-TH-D1	TC-PLD-P	TC-LLD-102
Appearance				
Description	Infrared sender RS485 communication Wall mount, DC 12V	RS485 output 10~20 M2 detecting area Wall mount, DC 12V	Water, gasoline, oil NO relay output DC 12V	RS485 output 100 M detecting range Rail mount, DC 12V



Analyze environment, power and surveillance all in one for a complete field surveillance solution. Improve operation efficiency and raise security awareness by setting necessary surveillance thresholds and alerts. Early warning for issues related to temperature, humidity, flood detection, smoke detection, power usage and more. This scalable suite of sensors and cameras is designed to safeguard environments ranging in network closets, data centers, cellular base station, green house, warehouse, etc.

— Recommended —



ARC6416U-C

I/O, Analog, RS485, RS232 type detectors
4 IP Cameras @1080P

ENABLING A SAFER SOCIETY AND SMARTER LIVING

Dahua Mexico

Tel: +52 55 67231936

Email: sales.mx@global.dahuatech.com

Dahua Brazil

Tel: +55 11 32511871

Email: comercial.br@global.dahuatech.com

Dahua Thailand

Tel: +66 29382674

Email: info.th@global.dahuatech.com
hr.th@global.dahuatech.com

Dahua S.Korea

Tel: +82 7081618889

Email: DH-KOREA@global.dahuatech.com

Dahua Singapore

Tel: +65 65380952

Email: info.sg@global.dahuatech.com

Dahua Turkey

Email: sales.tr@global.dahuatech.com

Dahua Indonesia

Email: support.id@global.dahuatech.com
sales.id@global.dahuatech.com

Dahua Malaysia

Tel: +60376620731

Email: sales.mas@global.dahuatech.com

Dahua India

Tel: +91 1244569100

Email: sales.india@global.dahuatech.com

Dahua Russia

Tel: +7 (499) 682-60-00

Email: info@global.dahuatech.com

Dahua Kazakhstan

Tel: +7 727 3110838

Dahua UK

Tel: +44(0)1628 673 667

Email: sales.UK@global.dahuatech.com

Dahua Europe

Tel: +31 797999696

Dahua France

Email: sales.france@global.dahuatech.com

Dahua Iberia

Tel: +34 917649862

Email: sales.iberia@global.dahuatech.com

Dahua Italy

Tel: +39 3703446609

Email: sales.italy@global.dahuatech.com

Dahua Germany

Email: sales.de@global.dahuatech.com

Dahua CEE & Nordic

Tel: +48 223957400

Email: biuro.pl@global.dahuatech.com

Dahua S. Africa

Email: Dahua.sa@global.dahuatech.com

Dahua Australia

Tel: +61 299285200

Email: sales.oc@global.dahuatech.com

Dahua Middle East

Tel: +971 48815300

Email: sales.me@global.dahuatech.com

* Design and specifications are subject to change without notice.

Alarm Security - 01, June 2018



DAHUA TECHNOLOGY

No.1199 Bin'an Road, Binjiang District, Hangzhou, China. 310053

Tel: +86-571-87688883 Fax: +86-571-87688815

Email: overseas@dahuatech.com

www.dahuasecurity.com



© Dahua Technology, All rights reserved