USER MANUAL

Dome Camera Series



Please read the instructions thoroughly before using the product.

AK015_V1.2

247Z

USER MANUAL

Dome Camera Series



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CAUTION RISK OF ELECTRIC SHOCK



CAUTION:

To reduce the risk of electric shock, do not expose this apparatus to rain or moisture.

Only operate this apparatus from the type of power source indicated on the label.

The company shall not be liable for any damages arising out of any improper use, even if we have been advised of the possibility of such damages.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



ROHS Announcement

All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive, which means our manufacture processes and products are strictly "lead-free" and without the hazardous substances cited in the directive.



The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected seperately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste.

CE Mark

This apparatus is manufactured to comply with the radio interference.

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OVERVIEW

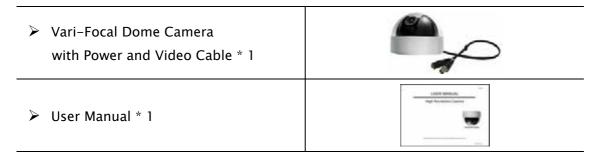
This camera series is designed to quickly upgrade your surveillance system without the need for re-decoration or re-wiring. This dome camera is equipped with a vari-focal lens, and its vandal-proof feature can withstand external force damages.

FEATURES

- 1. 1/3" Color CCD
- 2. F1.4 Large Aperture
- 3. f4.0 ~ f9.0mm Vari-focal Lens
- 4. Excellent low lux performance below 0.1 Lux at F1.4
- 5. Vandal-proof Housing Design (IPxx7)

PACKAGE CONTENT

Please make sure you have the following items in your sales package:



OVERVIEW

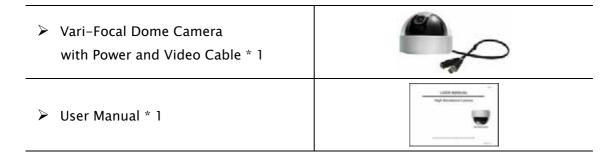
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PACKAGE CONTENT

Please make sure you have the following items in your sales package:



SPECIFICATIONS*

MODEL	Vari-Focal Dome Camera
Pick up Element	1/3" color CCD
Number of Pixel	512(H) x 492(V) <ntsc> / 512(H) x 582(V) <pal></pal></ntsc>
Resolution	Standard
Min. Illumination	Below 0.1 Lux / F1.4
S/N Ratio	More than 48dB (AGC off)
Electronic Shutter	1/60 (1/50) to 1/100,000 sec
Lens	f4.0mm ~ f9.0mm
Lens Angle	75° ∼ 36°
Iris Mode	AES
White Balance	ATW
Vandal-Proof Rating	IPxx7
Video Output	1.0 Vp-p composite, 75Ω
Power Source (±10%)	DC12V
Current Consumption (±10%)	80mA
Dimension (mm)**	124.3(Ø) x 92(H)
Net Weight (g)	460

 $[\]ensuremath{^{*}} \overline{\ensuremath{\text{The specifications}}}$ are subject to change without notice.

SPECIFICATIONS*

MODEL	Vari-Focal Dome Camera
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Video Output	1.0 Vp-p composite, 75Ω
Power Source (±10%)	DC12V
Current Consumption (±10%)	80mA
Dimension (mm)**	124.3(Ø) x 92(H)
Net Weight (g)	460

 $[\]ensuremath{^{*}}$ The specifications are subject to change without notice.

^{**} Dimensional Tolerance: ± 5mm

^{**} Dimensional Tolerance: \pm 5mm

LENS ANGLE ADJUSTMENT

The lens can be panned left or right for angle adjustment, maximum 60° respectively from the default position .

CONNECTION

1. DC12V Terminal

Connect the power connector of the camera to a DC 12V regulated power supply.

NOTE: Please use a regulated DC12V power adaptor to operate this unit. The power tolerance of this unit is DC12V \pm 10% (DC 10.8V ~ DC 13.2V). A power input of more than the DC 13.2V will damage this unit.

2. Connect the camera video output to the input of the DVR with a 75 Ω coaxial cable.



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2. Connect the camera video output to the input of the DVR with a 75Ω coaxial cable



INSTALLATION

Step1 Remove the Dome Cover

Remove the Dome Cover by turning it counterclockwise to the end and then take it off.

Step2 Remove the Black Shield Case

First, unscrew the Black Shield Case. Then remove it by pressing the two sides and then pulling it outward.





INSTALLATION

Step1 Remove the Dome Cover

Remove the Dome Cover by turning it counterclockwise to the end and then take it off.

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First, unscrew the Black Shield Case. Then remove it by pressing the two sides and then pulling it outward.





Step3 Align the screw holes

To install the camera; firstly, aim the "front view" of the camera at your desired "securing area." Then swivel the black rotatable plate to let the 1st and 2nd screw holes align with those on the camera base. So the 3rd one will align simultaneously.



Step4 Fasten the screws

Fasten the 3 screws to the ideal installation position (e.g. on the ceiling or on the wall). Then connect the power and video cable to the power supply and the input of the DVR. (For details, please refer to the CONNECTION section)

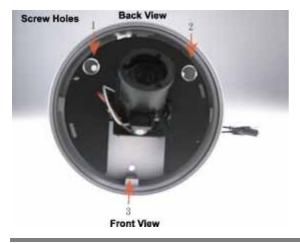


Note:

- 1. Screws are not supplied with the sales package. For installation, please purchase the suitable screws.
- 2. For safety, always let the power and video line concealed behind the installation position.

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Note:

Step1 Screws are not supplied with the sales package. For installation, please purchase the suitable screws.

Step2 For safety, always let the power and video line concealed behind the installation position.

Step5 Adjust the angle of the camera

To adjust the angle of the camera, swivel the black rotatable plate from the center to the left or to the right, maximum 60° (Pan).

Adjust the tilt angle by moving the lens, maximum 90°. (Tilt)

Use a flat-headed screwdriver to loosen the pivots on the lens. First adjust the 1st pivot to zoom-in and zoom-out (Zoom). Second, adjust the 2nd pivot to fine tune the focal lens. Secure these two pivots after the adjustment is completed.

Finally fasten the screw on the side of lens to fix the tilt angle after the optimized positioning is achieved.



Note: When adjusting the title angle, please do not tilt the camera lens to be more than 90°.

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Finally fasten the screw on the side of lens to fix the tilt angle after the optimized positioning is achieved.



Note: When adjusting the title angle, please do not tilt the camera lens to be more than 90°.

Step6 Replace the Black Shield Case

Replace the Black Shield Case to the camera base. Ensure that the Black Shield Case does not cover the lens.



Step7 Replace the Dome Cover

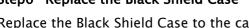
Replace the dome cover to camera base and turn it clockwise to the end to secure it.



NOTE: No need to screw the Black Shield Case.

Step6 Replace the Black Shield Case

Replace the Black Shield Case to the camera base. Ensure that the Black Shield Case does not cover the lens.



Step7 Replace the Dome Cover

Replace the dome cover to camera base and turn it clockwise to the end to secure it.





NOTE: No need to screw the Black Shield Case.

USER MANUAL

High Resolution Dome Camera



Please read the instructions thoroughly before using the product.

AK016_V1.1

248Z

USER MANUAL

High Resolution Dome Camera



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OVERVIEW

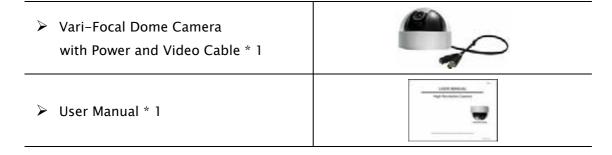
This camera series is designed to quickly upgrade your surveillance system without the need for re-decoration or re-wiring. This high-resolution camera is equipped with a vari-focal lens (Auto Iris), and its vandal-proof feature can withstand external force damages.

FEATURES

- 1. 1/3" HR Color CCD
- 2. F1.4 Large Aperture
- 3. f4.0 ~ f9.0mm Vari-focal Lens (Auto Iris)
- 4. Supports 0.15 Lux at F1.4
- Vandal-proof Housing Design (IPxx7)

PACKAGE CONTENT

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Vari-Focal Dome Camera with Power and Video Cable * 1	
User Manual * 1	1000 Melenia

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Pick up Element	1/3" HR color CCD
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Resolution	520 TVL
Min. Illumination	0.15 Lux / F1.4
S/N Ratio	More than 48dB (AGC off)
Electronic Shutter	1/60 (1/50) to 1/100,000 sec
Vari-focal Auto Iris Lens	f4.0mm ~ f9.0mm
Lens Angle	75° ~ 36°
IRIS Mode	Auto
White Balance	ATW
IP Rating	IPxx7
Video Output	1.0 Vp–p composite, 75Ω
Power Source (±10%)	DC12V
Current Consumption	85mA
Dimension (mm)**	124.3(Ø) x 92(H)
Net Weight (g)	460

^{*} The specifications are subject to change without notice.

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LENS ANGLE ADJUSTMENT

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CONNECTION

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NOTE: Please use a regulated DC12V power adaptor to operate this unit. The power tolerance of this unit is DC12V \pm 10% (DC 10.8V ~ DC 13.2V). A power input of more than the DC 13.2V will damage this unit.

2. Connect the camera video output to the input of the DVR with a 75 Ω coaxial cable.



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INSTALLATION

Step1 Remove the Dome Cover

Remove the Dome Cover by turning it counterclockwise to the end and then take it off.

Step2 Remove the Black Shield Case

First, unscrew the Black Shield Case. Then remove it by pressing the two sides and then pulling it outward.





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Step3 Align the screw holes

To install the camera; firstly, aim the "front view" of the camera at your desired "securing area." Then swivel the black rotatable plate to let the 1st and 2nd screw holes align with those on the camera base. So the 3rd one will align simultaneously.



Step4 Secure the screws

Fasten the 3 screws to the ideal installation position (e.g. on the ceiling or on the wall). Then connect the power and video cable to the power supply and the input of the DVR for later adjustments. (For the details of the connection, please refer to the CONNECTION section).



Note:

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Use a flat-headed screwdriver to loosen the pivots on the lens. First adjust the 1st pivot to zoom-in and zoom-out (Zoom). Second, adjust the 2nd pivot to fine tune the focal lens. Secure these two pivots after the adjustment is completed.

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Note: When adjusting the title angle, please do not tilt the camera lens to be more than 90°.

Step6 Adjust the blue "Light Lever Tuner"

When the video output is too bright or too dark, adjust the "Light Level Tuner" to get the suitable light level.

Finally secure the screw on the side of lens to stabilize the tilt angle after the optimized positioning is achieved.



Step7 Replace the Black Shield Case

Replace the Black Shield Case to the camera base. Ensure that the Black Shield Case does not cover the lens.



NOTE: No need to screw the Black Shield Case.

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NOTE: No need to screw the Black Shield Case.

Step8 Replace the Dome Cover

Replace the dome cover to the camera base and turn it clockwise to the end to secure it.



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