# ⛨DEFENDER™
## SECURITY

# USER   MANUAL



## Item Number: 82-18260

Thank you for purchasing our products. Please read the manual carefully before operating.

**Safety Precaution**



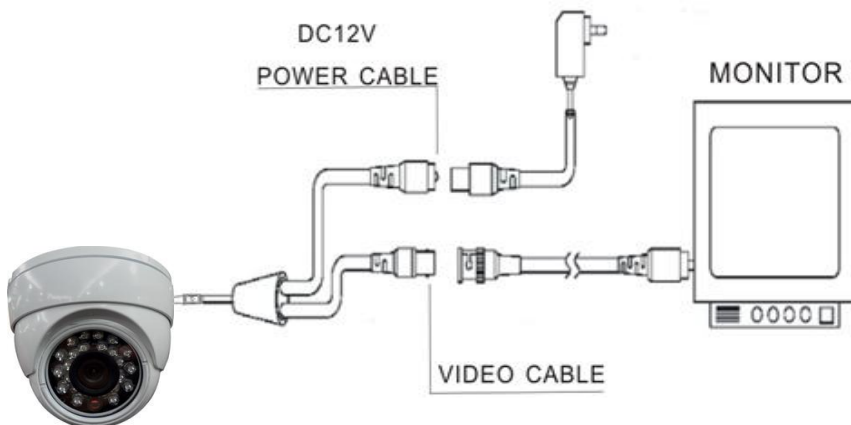| ⚠ | **Warning**<br>Don't dismantle without authority,<br>becareful thunder striking. | ⚡ |
|---|---|---|
| Note：To avoid thunder-strking, please don't open the backcover,<br>the maintenance must be made by our authorized serviceman. | | |

# Warning

* In order to prevent damage caused by fire or electric shock, please do not put cameras exposed in the moist environment or rainwater.
* Please make sure the adapter is consistent with product specifications, otherwise it might cause fire, electric shock or damage.
* Pay attention to polarity of the adapter, it might cause some accidents like fires.
* Please don't connect multiple cameras with the same adapter at the same time; overloading of adapter capacity may cause fires.
* Power supply must be firmly fixed so as not to loose to cause fires.
* If the device gets □ abnormal smell or smoke", please stop it immediately and contact with our customer service center.
* If the camera doesn't work as usual, please do not dismantle it by yourself. Please contact our local distributor or our maintenance office authorized by our company, otherwise we won't promise warranty.
* Please do not splash water on the product components when cleaning.

# Technical Specifications

| | |
|---|---|
| Item Number: | 82-18260 |
| Signal System: | NTSC |
| Sensor CCD: | CMOS Color |
| Horizontal resolution : | 700 TV lines |
| Lens: | 3.6mm |
| Minimum Illumination: | 0 LUX (IR ON) |
| S/N Ratio: | More than 48 dB |
| Distance: | 15-20Metres |
| LED : | 24PCS |
| IR-Cut: | YES |
| Video Output: | 1Vp-p 75Ω . Y/C Separated |
| Connector video : | BNC |
| Operation Temperature: | -20°C to +50°C |
| Supplied Power: | 12VDC (+/-10%); |
| IP Rating: | IP65 |

# Installation

1. Connect the terminating wire of the cable directly to the DC power source..
2. Connect the BNC end of the Camera Cable to an extension cable, or directly to a DVR / Observation System or to a TV/Monitor.
3. Fixup the pedestal on the ceiling ,fix up the screw of pedestal.
4. Aim at the scope what you want to watch,then fix up the screw of horizontal angle.
5. Choose a good angle to the aim thing first,then fix up the screw of declining angle.

DC12V
POWER CABLE

MONITOR

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VIDEO CABLE

# Troubleshooting

1.No picture or unstable

　Check the connection of video line or power line

2.The image is so blurred

　1)Checking is there something dirt on the lens, then use customized lens paper or cotton buds with alcohol drenched to clean.

　2)Check the focus length and OSD settings

3. The image is so dim

Adjust the CNT of monitor and iris

4. No motion detection frame and privacy shaded frame

　Check the option is ON or OFF. Or check the menu parameters

5. Screen color cast in the special environment

　Adjust WEB mode or direction

6. The screen glittering

The camera might face to the sun, TV set or computer.

7. Functions are disorder and could not adjust

　Restore default settings

8.　The camera works abnormal; the surface over-heat; has　peculiar smell, smoke etc.

　　Please cut off the power supply immediately. Secondly, check the connection of power supply. Then send the camera to professionals for maintenance

## Accessory List

| No. | Name | Quantity | Remark |
|-----|------|----------|--------|
| 1 | CCTV Camera | 1 | |
| 2 | User Manual | 1 | |
| 3 | Screw | 1 | |