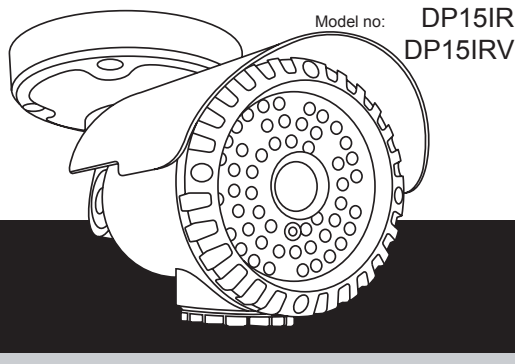




NIGHT VISION Indoor/Outdoor Bullet

Camera Installation & Configuration



Please carefully read these instructions before using this product.
Save this document for future use.
31543AA

REGULATORY COMPLIANCE

Emissions FCC part 15, subpart B, Class A
CE: EN61000-6-4:2007

Immunity CE: EN60130-4:1995 + A1:1998 + A2:2003

FCC COMPLIANCE

This product has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. The product generates, uses, and can radiate radio frequency energy, and, if not installed and used in accordance with the manufacturer's instruction manual, may cause harmful interference with radio communications. Operation of this product in a residential area is likely to cause harmful interference, in which case you will be required to correct the interference at your own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

These limits are designed to provide reasonable protection against harmful interference in a non-residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with the radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the antenna of the radio/television receiver.
2. Increase the separation between this equipment and the radio/television receiver.
3. Plug the equipment into a different outlet so that the equipment and the radio/television receiver are on different power mains branch circuits.
4. Consult the dealer or an experienced radio/television technician for additional suggestions.

GENERAL SPECIFICATIONS

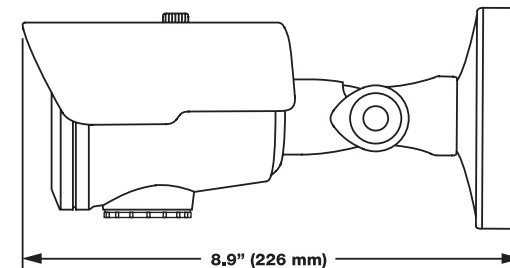
Model No.	DP15IR	DP15IRV
Image Sensor	1/3" Sony CCD	
IP Rating	IP66	
Type / Format	NTSC	
Wide Dynamic Range	Digital Wide Dynamic Range	
Minimum Illumination	0.1 Lux @ F1.2, 0 Lux with LEDs engaged	
Day / Night	Digital Day / Night	
Resolution	650 TVL	
Focal Length	4mm Fixed	4mm ~ 9mm Varifocal Lens
Iris Control	Auto	
Auto White Balance Range	2500K ~ 9500K	
Backlight Compensation	Yes	
Auto Gain Control	Auto	
Operating Temperature	14' ~ 122' F (-10' ~ 50' C)	
Heater	No	
Power Consumption	6.6W Max	
Input Voltage	12vDC	
Weight	1.9 lbs (0.9 kg)	
Dimensions	W: 4.1" (105mm) x H: 4.1" (105mm) X L: 8.9" (226mm)*	
Housing	Gray	

*Width, Height, and Length measurements include mount and sunshield.

BOX CONTENTS

- Screws (x4)
- Anchors (x4)
- Hex-head wrench
- Sunvisor screw
- Extra video output cable

DIMENSIONS

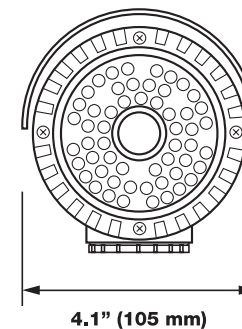


Precaution

- Please study the user manual before installation and keep the manual for future reference.
- Avoid shining the LED lights directly in eyes.
- Do not install the camera on an unstable surface.
- To avoid fire or electric shock, use a proper power source.
- Do not disassemble the camera.
- Stop using the camera if you see smoke or feel unusual heat.
- Do not cut or peel the covering away from the cable. This will eliminate weather protection and void the warranty.

Features

- 650 TV-Line Resolution
- Digital Wide Dynamic Range
- IR LEDs
- IP66-rated

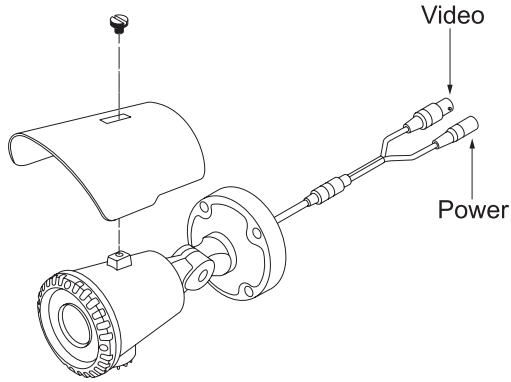


1-855-2avertX
(1-855-228-3798)
www.avertx.com

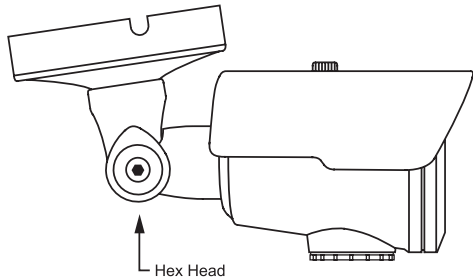
INSTALLATION

Wall or Ceiling

1. Drill a 1" hole in the wall or ceiling for the cable.
2. Drill four 1/4" holes and insert the included anchors.
3. Attach the cables and tighten the included screws to mount the camera to the wall or ceiling.
4. Attach the sunvisor using the included sunvisor bolt.



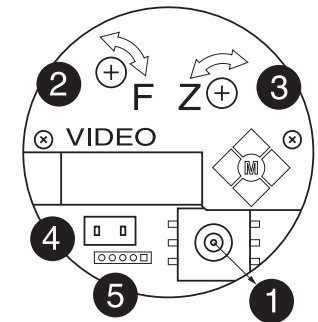
5. Use the included 3mm hex-head wrench to loosen the adjustment bolt.
6. Aim the camera and tighten the bolt to complete the installation.



CAMERA OSD MENU

:EXPOSURE	
:LENS	MANUAL: ·BRIGHTNESS ······0 ~ 99
:SELECT	·E. SHUTTER ······AUTO, 1/60 ~ 1/100000
	·DC ······BRIGHTNESS ······0 ~ 99
	·E. SHUTTER ······AUTO, 1/60 ~ 1/100000
:AGC	OFF, LOW, MIDDLE, HIGH ······Auto Day/Night is disabled if AGC is OFF
:SENSE-UP	AUTO, OFF, X2, X4, X8, X16, X32, X64, X128, X256, X512, X1024 ······Use sense-up in low light environments
:BACK-LIGHT	·BLC ······BLC LEVEL ······OFF, LOW, MID, HIGH
	·TOP ······0 ~ 15;
	·BOTTOM ······0 ~ 16
	·LEFT ······0 ~ 15
	·RIGHT ······0 ~ 16
	·HLC ······HBLC ······OFF
	·MANUAL HBLC LEVEL: OFF, LOW, MID, HIGH TOP, BOTTOM, LEFT, RIGHT same as BLC
	·MODE ······ALL DAY, NIGHT
	·HLC LEVEL ······1 ~ 100
	·MASK 1-4 ······ON TOP: 0 ~ 33 BOTTOM: 1 ~ 34 LEFT: 0 ~ 44 RIGHT: 1 ~ 45 OFF: HLC MASK OFF
	·D-WDR ······SET LEVEL ······0 ~ 20
:3D-DNR	OFF, LOW, MID, HIGH, AUTO ······Reduce noise in low light environments
:WHITE BALANCE	
:AWB	·ATW ······Color temp. 2500 ~ 9500 K
:MODE	MANUAL: ·M-WR ······0 ~ 128: Adjust the red value
	·M-WB ······0 ~ 128: Adjust the blue value
	PUSH ······Optimize white balance for current conditions
:R-Y GAIN	0 ~ 255 ······Adjust red tone of image
:B-Y GAIN	0 ~ 255 ······Adjust blue tone of image
:DAY & NIGHT	
:D&N	AUTO ······DAY-NIGHT ······7 ~ 30
:MODE	·NIGHT-DAY ······6 ~ 29
	·DELAY TIME ······0 ~ 15: Set the duration
	AUTO-CDS: ·A. DAY-NIGHT ······6 ~ 36
	·A. NIGHT-DAY ······6 ~ 36
	·C. DAY-NIGHT ······0 ~ 255
	·C. NIGHT-DAY ······0 ~ 255
	·COLOR ······Fixed at Color
	·B&W ······Fixed at B&W
	·EXT ······DELAY TIME ······0 ~ 15
:BURST	ON, OFF ······Enable/disable burst signal in BW mode
:C-SUP	0 ~ 100 ······Color suppress control
:A-SUP	0 ~ 100 ······Iris suppress control
:SMART-IR	ON, OFF ······Decreases screen saturation of objects within a short range
:MIRROR	MIRROR, OFF ······Vertical image inversion
:SHARPNESS	0 ~ 30
:GAMMA	0.45, 0.55, 0.65
	·USER ······GAMMA ······0.20 ~ 1.00 by increments of .05
:PRIVACY	
:MASK	OFF
1 ~ 8	ON ······DOT SEL ······L_TOP, L_BOT, R_BOT, R_TOP: Determines location for Motion Detection
	·DOT XY ······ENTER SETTING: Determines coordinates
	·MOVE XY ······ENTER SETTING: Determines coordinates
	·COLOR ······Select mask color
:SPECIAL	
:LANGUAGE	·······Select language (9 available)
:TITLE	·OFF-ON ······EDIT ······Display the camera name on screen
	·RESET ······Camera name reset
	·POSITION ······Camera name position
:DPC	OFF ······Deactivates Detect Pixel Correction in low illumination
	AUTO: ·WHITE THR ······0 ~ 255: Set the limited value of white pixel correction
	·LUMA THR ······0 ~ 255: Set the limited value of white pixel correction
	·RETURN ······Move back to previous menu.
:FACTORY SET	·····YES, NO ······Reset your camera to factory default condition
:EXIT	
:SAVE AND EXIT	·······Save the value and exit the menu
:EXIT	·······Escape the menu without saving

FUNCTION SETTING



1. Push the lever to access the menu and confirm selection. Push the lever for one second to open or close the menu. Use the lever to return to the previous menu from motion detection or privacy mask setting sections.
2. Use a screwdriver to adjust the focus.
3. Use a screwdriver to adjust the zoom.
4. Plug a test monitor into the optional VIDEO terminal to view menu screens during installation.
5. The debug port is used for product upgrades. This should only be accessed by a trained technician.