

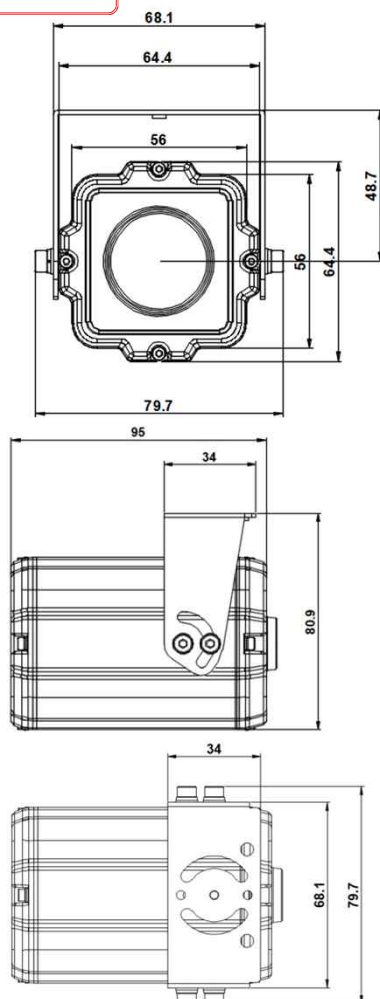
AHR-RZ949(-O)

AHD2.0 OUTDOOR CAMERA

PARANTEK



Dimension



Option

- Dual Voltage (DC12V & AC24V)

Main Features

- 1/2.8" Sony 2.9μm Pixel Progressive Starvis Color CMOS Sensor
- Approx. 2.12 Mega Pixels (Max. 1080p)
- f=3.3~12mm M/P Lens (ICR, Stepping Motorized One-push AF)
- 16pcs of 850nm IR LED
- WDR, 3D-DNR, UTC, OSD Supported
- AHD2.0 Camera (CVBS Out Mode Supported)
- Flexible Installation: U type swivel bracket can hold up the camera both up & down or left & right.
- Water-proof IP66 Housing

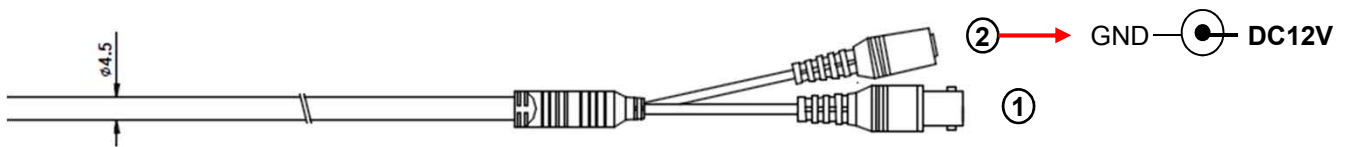


Specifications

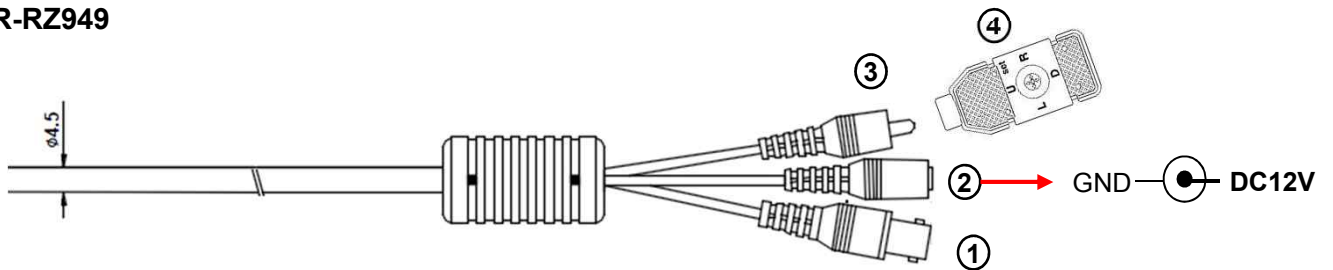
| Model | AHR-RZ949 | AHR-RZ949-O |
|--------------------|---|-------------------------|
| Signal System | AHD 2.0 | |
| Pickup Device | 1/2.8"(D-6.46mm) 2.12M Sony CMOS Sensor | |
| Scanning System | Progressive Scan (16:9) | |
| Sync. System | Internal | |
| Total Pixels | 2.16MP [1,945(H)x1,109(V)] | |
| Active Pixels | 2.12MP [1,937(H)x1,097(V)] | |
| Min. Illumination | 0.01Lux(F2.5 - 30IRE), 0Lux(IR on) | |
| No. of IRED | 16pcs (850nm) | |
| Video Out | AHD, TVI, CVI or Analog CVBS AHD, TVI and CVI: 1080p@25/30 / Analog CVBS: D1 | |
| Lens | DC Auto ICR Vari-focal f=3.3~12mm, F1.4 Stepping Motorized One-push AF | |
| Lens (Mount) | Board type (M12) | |
| Angle of View | 116°~36°(D), 91°~28°(H), 74.7°~21.2°(V) | |
| OSD | UTC | Via OSD Switch & UTC |
| Camera Title | Off, On(Max. 8 Characters) | |
| Language | English, Chinese(Simplified), Chinese(Traditional), Japanese, Korean | |
| Exposure | AE, Manual | |
| White Balance | AUTO, AUTOext, Preset, Manual | |
| BLC | Off, HLC, BLC, WDR | |
| Day & Night Mode | AUTO, COLOR, B/W, EXT. D&N | |
| Gain Control | AGC (0~10) | |
| Electronic Shutter | 1/30(25)~1/30,000(25,600)sec (60Hz/50Hz) | |
| DSS(Sens-up) | X32 | |
| Noise Reduction | 3DNR (Off, Low, Middle, High) | |
| Mirror | Off, On(Mirror, Flip, Rotation) | |
| Other Features | Motion Detection (4 Zones), Privacy Mask (16 Zones), ACE, D-Zoom, Defog, Gamma, Shading etc. | |
| Communication | N/A | |
| Microphone | N/A | |
| Power Source | DC 12V | |
| Power Consumption | Less than 5.1Watts (420mA@DC12V) | |
| Operating Temp. | -10℃ ~ 55℃ (Humidity :0%RH ~ 90%RH) | |
| Size (mm) | 64.4(W) x 64.4(H) x 95(D) (Without Bracket) | |
| Weight | 493g (gift-box packing) | 500g (gift-box packing) |

Cable Connection Interface

AHR-RZ949



AHR-RZ949



| | Function | | Function |
|---|-------------------------|---|-------------------------|
| ① | BNC – AHD Analog Out | ② | DC 3.5phi – DC Power In |
| ③ | DC 2.5phi – AD OSD port | ④ | AD type OSD Joystick |

| SETUP MENU | SUB MENU 1 | SUB MENU 2 | SUB MENU 3 | VALUE |
|------------|------------|------------|------------------|--|
| LENS | | | | MANUAL / DC |
| ZOOM/FOCUS | FOCUS MODE | | | ONESHOT / MANUAL |
| | D&N FILTER | | | SYNC OFF / SYNC ON |
| | ONEPUSH AF | | | Press ENTER Key |
| | LENS RESET | | | Press ENTER Key |
| EXPOSURE | BRIGHTNESS | | | 0 ~ 20 (10) |
| | SHUTTER | AUTO | Lens Mode DC | INDOOR / OUTDOOR / DEBLUR |
| | | | Lens Mode Manual | NORMAL /DEBLUR |
| | | MANUAL | | NTSC : 1/30 ,60,120,250,500,1K,2K,4K,8K,15K,30K PAL : 1/25 ,50,100,200,400,800,1.6K,3.2K,6.4K,12.8K,25.6K |
| | | FLICKER | | |
| | SENS-UP | | | OFF / X2/ X4/ X8 / X16 / X32 |
| | AGC | | | 0 ~ 10 (8) |
| BACKLIGHT | OFF | | | |
| | HLC | LEVEL | | 0 ~ 20 (10) |
| | | COLOR | | BLK ,WHT,YEL,CYN,GRN,MAG,RED,BLU |
| | BLC | H-POS | | 0 ~ 20 (6) |
| | | V-POS | | 0 ~ 20 (5) |
| | | H-SIZE | | 0 ~ 20 (7) |
| | | V-SIZE | | 0 ~ 20 (7) |
| | WDR | WEIGHT | | LOW/ MIDDLE / HIGH |
| DAY&NIGHT | AUTO | D>N THRES | | 0(bright) ~ 20(dark) (6) |
| | | N>D THRES | | 0(bright) ~ 20(dark) (8) |
| | | DELAY | | 0 ~ 9sec, 10sec, 15sec (0 Sec) |
| | | BURST | | OFF/ ON |
| | COLOR | | | |
| | B&W | BURST | | OFF/ ON |
| | EXT. D&N | SMART IR | | OFF /ON |
| | | SAT. LEVEL | | 0 ~ 20 (10) |
| | | EXTERN SW | | HIGH /LOW |
| | | DELAY | | 0 ~ 9sec, 10sec, 15sec (0sec) |
| | | BURST | | OFF/ ON |
| WHITE BAL | AWB | AUTO | | |
| | | AUTOext | | |
| | | PRESET | | Press ENTER key |
| | | MANUAL | C-TEMP. | 3000K/ 5000K / 8000K |
| | | | R-GAIN | 0 ~ 20 (10) |
| | | | B-GAIN | 0 ~ 20 (10) |
| | COLOR GAIN | | | 0 ~ 20 (10) |
| DNR | | | | OFF/ LOW/ MIDDLE / HIGH |
| IMAGE | SHARPNESS | | | 0 ~ 10 (8) |
| | GAMMA | | | 0.45/ 0.55 / 0.65/ 0.75 |
| | MIRROR | | | OFF /ON |
| | FLIP | | | OFF /ON |
| | D-ZOOM | | | 1.0X~16.0X (1.0X) |
| | ACE | | | OFF /LOW/ MIDDLE/ HIGH |

| SETUP MENU | SUB MENU 1 | SUB MENU 2 | SUB MENU 3 | VALUE |
|-----------------|------------|----------------|----------------|---|
| IMAGE | DEFOG | OFF | | |
| | | ON | MODE | AUTO/MANUAL |
| | | | LEVEL | LOW/ MIDDLE/ HIGH |
| | SHADING | OFF | | |
| | | ON | WEIGHT | 0~100% (100%) |
| | PRIVACY | BOX | OFF/ON | |
| | | | ZONE NUM | 0~15 |
| | | | ZONE DISP | OFF/ON |
| | | | H-POS | 0~60 |
| | | | V-POS | 0~34 |
| | | | H-SIZE | 0~60 |
| | | | V-SIZE | 0~34 |
| | | | Y LEVEL | 0~20 |
| | | | CB LEVEL | 0~20 |
| | | | CR LEVEL | 0~20 |
| | | | TRANS | 0~3 |
| | | POLYGON | OFF/ON | |
| | | | ZONE NUM | 0~7 |
| | | | ZONE DISP | OFF/ON |
| | | | POS0-X ~POS3-X | 0~120 |
| | | | POS0-Y~POS3-Y | 0~68 |
| | | | Y LEVEL | 0~20 |
| | | | CB LEVEL | 0~20 |
| | | | CR LEVEL | 0~20 |
| | | | TRANS | 0~3 |
| MOTION | OFF | | | |
| | ON | DET WINDOW | WINDOW USE | 0~3 |
| | | | WINDOW ZONE | OFF/ON |
| | | | DET H-POS | 0~60 |
| | | | DET V-POS | 0~34 |
| | | | DET H-SIZE | 0~60 |
| | | | DET V-SIZE | 0~34 |
| | | SENSITIVITY | | 0~10 (5) |
| | | MOTION OSD | | OFF/ON |
| | | TEXT ALARM | | OFF/ON |
| | | SIGNAL OUT | | OFF/ON |
| SYSTEM | COMM | CAM ID | | 0 ~ 255 (1) |
| | | BAUDRATE | | 2400,4800,9600,57600,115200 |
| | | CAM ID DISPLAY | | OFF/ON |
| | OUTPUT | FRAME RATE | | 1080_30p(25p) |
| | | FREQ | | 50Hz(PAL) / 60Hz(NTSC) |
| | | ANALOG MODE | | OFF / CVBS / HD_T / HD_C / HD_A |
| | | CVBS OUT MODE | | CUT / FULL |
| | LANGUAGE | | | ENG/ CHINESE/ CHINESE(S)/ JAPANESE/ KOR |
| | CAM TITLE | OFF | | |
| | | RIGHT UP | | 0 ~ 9, A ~ Z, blank |
| | | LEFT DOWN | | 0 ~ 9, A ~ Z, blank |
| FACTORY DEFAULT | | | | Reset to factory setting |
| EXIT | | | | Exit SETUP menu |