

AHM-X570(JP)

AHD2.0 MINIATURE BOX CAMERA

PARANTEK

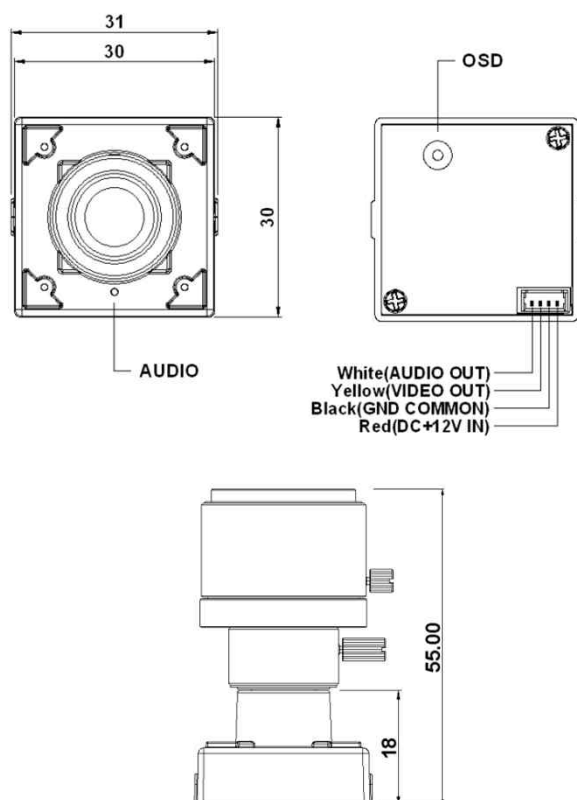


Main Features

- 1/3" 1080p Panasonic CMOS Sensor
- 2.12M Pixels (1,000 TV Lines)
- Vari-focal Board Lens (Manual type)
- Audio (AHM-X570A)
- 3D-DNR, DSS (Sens-up) Supported
- Built-in OSD Switch
- AHD2.0 Camera (CVBS Out Mode Supported)
- Wide Operating Voltage Range (DC5~15V)
- Box Miniature Housing(30x30) with U type swivel bracket



Dimension



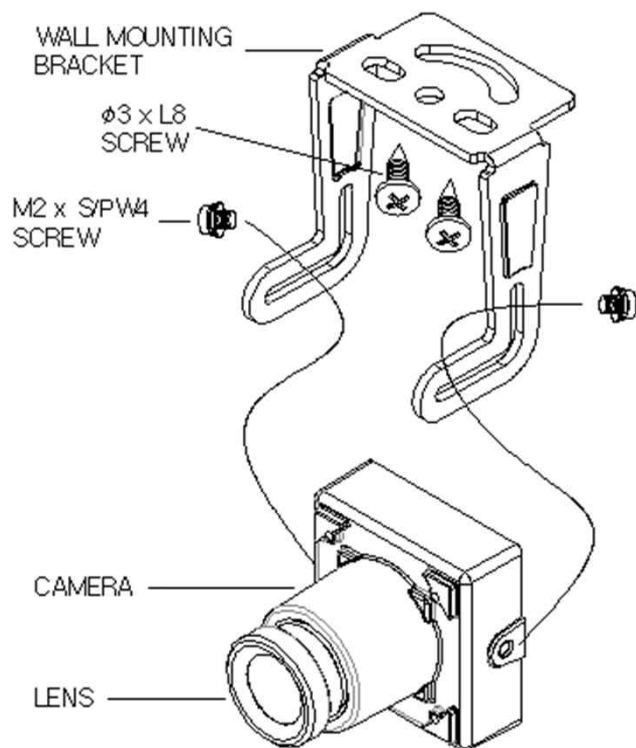
Specifications

| Model | AHM-X570(JP) |
|--------------------|---|
| Signal System | AHD 2.0 |
| Pickup Device | 1/3"(D-6mm) 2.12M Panasonic CMOS Sensor |
| Scanning System | Progressive Scan (16:9) |
| Sync. System | Internal |
| Total Pixels | 2.47MP [1956(H)x1266(V)] |
| Active Pixels | 2.12MP [1944(H)x1092(V)] |
| Min. Illumination | 0.2Lux(F2.5 - 30IRE), 0.006Lux(DSS on) |
| H-Resolution | More than 1,000TV Lines(H) |
| S/N Ratio | More than 50dB (AGC off) |
| Video Out (BNC) | AHD: 1080p@25/30 or CVBS 1.0V p.p |
| Lens | Vari-focal f=2.8~12mm, F1.4 |
| Lens (Mount) | Board Mount(M12) |
| Angle of View | 121.5~37.5°(D), 97.5~30°(H), 54.5~22.5°(V) |
| OSD | Via 5-direction Tact-switch & UTC |
| Camera Title | Off, On(Max. 15 Characters) |
| Language | English, Russian, French, Spanish, Portuguese, German, Chinese(Simplified), Chinese(Traditional), Japanese, Korean, Italian, Polish, Dutch, Turkish, Hebrew, Arabic |
| Exposure | AE, Manual |
| White Balance | AWB, ATW, AWC->SET, Manual, Indoor, Outdoor |
| BLC | Off, BLC, HSBL |
| Day & Night Mode | AUTO, COLOR, B/W, EXT |
| Gain Control | AGC (1~15) |
| Electronic Shutter | 1/25(30)~1/50,000sec |
| DSS(Sens-up) | Off, On(Max. X30) |
| Noise Reduction | 2DNR, 3DNR |
| Mirror | Off, On(Mirror, Flip, Rotation) |
| Other Features | Motion Detection (4 Zone), Privacy Mask (4 Zones), Freeze, Neg. Image, Lens Shading, Defog etc. |
| Microphone | Available (Option: AHM-X570A(JP)) |
| Power Source | DC5~15V |
| Power Consumption | Less than 1.1 Watts (90mA@DC12V) |
| Operating Temp. | -10℃ ~ 55℃ (Humidity :0%RH ~ 90%RH) |
| Size (mm) | 30x30 |
| Weight | 130 g (Gift-box packing) |

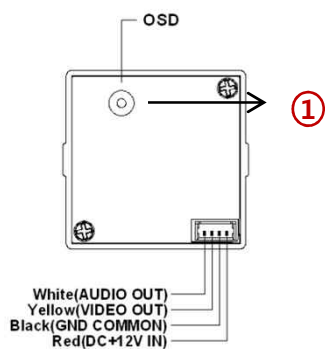
Option

- Audio (AHM-X570A(JP))
- AHM-X570A : Rear plate with Tripod

Camera Mounting Instruction

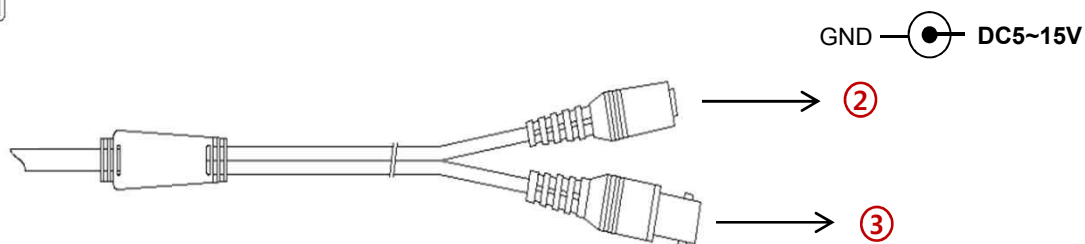


- There are three(3) of each Ø3xL8 screw and M2xS/PW4 screw together with a swivel bracket in the accessory package.
- Please use two(2) of the screws as shown left. We are providing one of each extra screw in the package.
- If you do not use M2xS/PW4 screws provided, it can **damage** the camera board inside housing. Such the damage will be your responsibility.



To switch to each video standard, move the joystick to the directions below and hold for over three(3) seconds.

1. TVI : Up
2. CVI : Down
3. CVBS : Left
4. AHD : Right



| | Function | I/O | Note | Remarks |
|---|--------------|-----|----------------------------|---------|
| ① | OSD Joystick | N/A | 5-directional OSD joystick | |
| ② | POWER | IN | Camera power input | DC5~15V |
| ③ | VIDEO OUT | OUT | Video signal output (BNC) | 75 Ω |

| SETUP MENU | SUB MENU1 | SUB MENU2 | SUB MENU3 | SUB MENU4 | VALUE |
|---------------|------------|--------------|-----------|-----------|--|
| LENS | MANUAL | | | | |
| EXPOSURE | SHUTTER | | | | AUTO, 1/30, 1/60, FLK, 1/240, 1/480, 1/1000, 1/2000, 1/5000, 1/10000, 1/50000, X2, X4, X6, X8, X10, X15, X20, X25, X30 |
| | AGC | | | | 0 ~ 15 |
| | SENS-UP | AUTO | SENS-UP | | X2, X4, X6, X8, X10, X15, X20, X25, X30 |
| | | OFF | | | |
| | BRIGHTNESS | | | | 1~100 |
| | D-WDR | AUTO | LEVEL | | 0~8 |
| | | ON | | | |
| | | OFF | | | |
| | DEFOG | AUTO | POS/SIZE | | |
| | | | GRADATION | | 0~2 |
| | | | DEFAULT | | |
| | | OFF | | | |
| BACKLIGHT | OFF | | | | |
| | BLC | LEVEL | | | LOW, MIDDLE, HIGH |
| | | AREA | | | |
| | | DEFAULT | | | |
| | HSBLC | SELECT | | | AREA1, AREA2, AREA3, AREA4 |
| | | DISPLAY | | | ON, OFF |
| | | BLACK MASK | | | ON, OFF |
| | | LEVEL | | | 0~100 |
| | | MODE | ALL DAY | | |
| | | | NIGHT | AGC LEVEL | 0~255 |
| | | DEFAULT | | | |
| | | | | | |
| WHITE BALANCE | ATW | | | | |
| | AWB | | | | |
| | AWC -> SET | | | | |
| | INDOOR | | | | |
| | OUTDOOR | | | | |
| | MANUAL | BLUE | | | 0~100 |
| | | RED | | | 0~100 |
| DAY & NIGHT | COLOR | | | | |
| | B/W | BURST | | | ON, OFF |
| | | IR SMART | ON | LEVEL | 0~15 |
| | | | | AREA | |
| | | | OFF | | |
| | EXT | D->N (DELAY) | | | 0~60 |
| | | N->D (DELAY) | | | 0~60 |
| | AUTO | D->N (AGC) | | | 1~255 |
| | | D->N (DELAY) | | | 1~60 |
| | | N->D (AGC) | | | 1~255 |
| | | N->D (DELAY) | | | 1~60 |
| NR | 2DNR | | | | OFF, LOW, MIDDLE, HIGH |
| | 3DNR | | | | OFF, LOW, MIDDLE, HIGH |

| SETUP MENU | SUB MENU1 | SUB MENU2 | SUB MENU3 | SUB MENU4 | VALUE |
|------------|------------|------------|-------------|-----------|--|
| SPECIAL | CAM TITLE | | | | ON, OFF |
| | D-EFFECT | FREEZE | | | |
| | | MIRROR | | | OFF, MIRROR, V-FLIP, ROTATE |
| | | NEG. IMAGE | | | ON, OFF |
| | MOTION | OFF | | | |
| | | ON | SELECT | | AREA1, AREA2, AREA3, AREA4 |
| | | | DISPLAY | | ON, OFF |
| | | | SENSITIVITY | | 0~100 |
| | | | COLOR | | GREEN, BLUE, WHITE, RED |
| | | | TRANS | | 0.00, 0.25, 0.75, 1.00 |
| | | | ALARM | VIEW TYPE | ALL, OFF, BLOCK, OUT LINE |
| | | | | OSD VIEW | ON, OFF |
| | | | | ALARM OUT | ON, OFF |
| | | | | TIME | 0~15 |
| | | | DEFAULT | | |
| | PRIVACY | OFF | | | |
| | | ON | SELECT | | |
| | | | DISPLAY | OFF | |
| | | | | MOSAIC | |
| | | | | INV. | |
| | | | COLOR | | WHITE, BLACK, RED, BLUE, YELLOW, GREEN, CYAN, USER |
| | | | TRANS | | 0.25, 0.50, 0.75, 1.00 |
| | | | DEFAULT | | |
| | LANGUAGE | | | | ARB, ENG, CHN1, CHN2, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR, KOR, JPN, HEB |
| | DEFFECT | LIVE DPC | ON | AGC LEVEL | 0~255 |
| | | | | LEVEL | 0~100 |
| | | | OFF | | |
| | | WHITE DPC | ON | POS/SIZE | |
| | | | | START | |
| | | | | DPC VIEW | ON, OFF |
| | | | | LEVEL | 0~100 |
| | | | | AGC | 0~14 |
| | | | | SENS-UP | X2, X4, X6, X8, X10, X15, X20, X25, X30 |
| | | | OFF | | |
| | | BLACK DPC | ON | POS/SIZE | |
| | | | | START | |
| | | | | DPC VIEW | ON, OFF |
| | | | | LEVEL | 0~100 |
| | | | OFF | | |
| | RS485 | CAM ID | | | 0~255 |
| | | ID DISPLAY | | | ON, OFF |
| | | BAUD RATE | | | 2400, 4800, 9600, 19200, 38400 |
| ADJUST | SHARPNESS | AUTO | LEVEL | | 0~10 |
| | | | START AGC | | 0~255 |
| | | | END AGC | | 0~255 |
| | | OFF | | | OFF/ ON |
| | MONITOR | LCD | GAMMA | | 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00, USER |
| | | | BLUE GAIN | | 0~100 |
| | | | RED GAIN | | 0~100 |
| | | CRT | BLUE GAIN | | 0~100 |
| | | | RED GAIN | | 0~100 |
| | LSC | | | | ON, OFF |
| | VIDEO OUT | | | | NTSC, PAL |
| EXIT | SAVE & END | | | | Exit SETUP menu without saving |
| | RESET | | | | Reset to factory setting |
| | NOT SAVE | | | | Exit SETUP menu after saving |