

# AHD-F1Y0-2.8

## AHD2.0 INDOOR DOME CAMERA

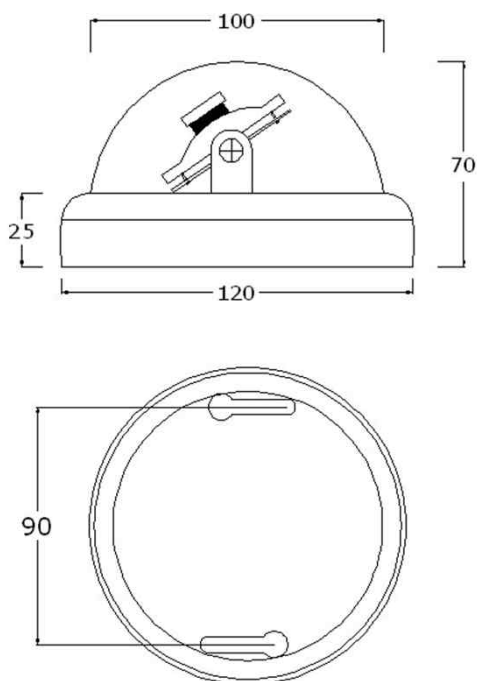


### Main Features

- 1/2.8" 2.9μm Pixel Progressive Sony Starvis CMOS Sensor
- 2.12M Pixels (1,000 TV Lines)
- Fixed Board Lens (f=2.8mm)
- WDR, 3D-DNR, DSS (Sens-up) Supported
- UTC Supported
- AHD2.0 Camera (CVBS Out Mode Supported)
- Wide Operating Power Range (DC5~15V)
- Plastic Dome Housing(100Ø)



### Dimension



### Option

- Lens(Fixed)  
f=3.3, 3.6, 4, 6, 8, 12, 16, 25mm

### Specifications

| Model              | AHD-F1Y0-2.8   |
|--------------------|--|
| Signal System      | AHD 2.0  |
| Pickup Device      | <b>1/2.8"(D-6.46mm) 2.12M Sony CMOS Sensor</b>   |
| 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  | <b>0.01Lux(F2.5 - 30IRE), 0.0003Lux(DSS on)</b>  |
| No. of IRED        | N/A  |
| 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               | <b>Fixed f=2.8mm board type, F2.5</b>  |
| Lens (Mount)       | Board type (M12)   |
| Angle of View      | 124.5°(D), 105°(H), 59.5°(V)   |
| OSD                | Via 5-direction Tact-switch and 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 | Auto, Manual, Flickerless  |
| DSS(Sens-up)       | <b>Off, On(Max. X32)</b>   |
| Noise Reduction    | <b>3DNR (Off, Low, Middle, High)</b>   |
| Mirror             | Off, On(Mirror, Flip, Rotation)  |
| Other Features     | Motion Detection (4 Zones), Privacy Mask (16 Zones), ACE, D-Zoom, Defog, Gamma, Shading etc. |
| Power Source       | <b>DC 5~15V</b>  |
| Power Consumption  | Less than 1.5 Watts (120mA@DC12V)  |
| Operating Temp.    | -10℃ ~ 55℃ (Humidity :0%RH ~ 90%RH)  |
| Size (mm)          | 100Ø (Dome Diameter)   |
| Weight             | 296g (Gift-box packing)  |

| SETUP MENU | SUB MENU 1 | SUB MENU 2 | SUB MENU 3 | VALUE  |
|------------|------------|------------|------------|--|
| EXPOSURE   | BRIGHTNESS |            |            | 0 ~ 20   |
|            | SHUTTER    | AUTO       |            | NORMAL/DEBLUR  |
|            |            | MANUAL     |            | NTSC : 1/30,60,120,250,500,1K,2K,4K,8K,15K,30K<br>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   |
| BACKLIGHT  | OFF        |            |            |  |
|            | HLC        | LEVEL      |            | 0 ~ 20   |
|            |            | COLOR      |            | BLK,WHT,YEL,CYN,GRN,MAG,RED,BLU  |
|            | BLC        | H-POS      |            | 0 ~ 20   |
|            |            | V-POS      |            | 0 ~ 20   |
|            |            | H-SIZE     |            | 0 ~ 20   |
|            |            | V-SIZE     |            | 0 ~ 20   |
|            | WDR        | WEIGHT     |            | LOW/ MIDDLE/ HIGH  |
| DAY&NIGHT  | AUTO       | D>N THRES  |            | 0(bright) ~ 20(dark)   |
|            |            | N>D THRES  |            | 0(bright) ~ 20(dark)   |
|            |            | DELAY      |            | 0 ~ 9sec, 10sec, 15sec   |
|            |            | BURST      |            | OFF/ON   |
|            | COLOR      |            |            |  |
|            | B&W        | BURST      |            | OFF/ON   |
|            | EXT.D&N    | SMART IR   |            | OFF/ON   |
|            |            | SAT. LEVEL |            | 0 ~ 20   |
|            |            | EXTERN SW  |            | HIGH/LOW   |
|            |            | DELAY      |            | 0 ~ 9sec, 10sec, 15sec   |
|            |            | BURST      |            | OFF/ON   |
| WHITE BAL  | AWB        | AUTO       |            |  |
|            |            | AUTOext    |            |  |
|            |            | PRESET     |            | Press ENTER key  |
|            |            | MANUAL     | C-TEMP.    | 3000K/ 5000K/ 8000K  |
|            |            |            | R-GAIN     | 0 ~ 20   |
|            |            |            | B-GAIN     | 0 ~ 20   |
|            | COLOR GAIN |            |            | 0 ~ 20   |
| DNR        |            |            |            | OFF/ LOW/ MIDDLE/ HIGH   |
| IMAGE      | SHARPNESS  |            |            | 0 ~ 10   |
|            | GAMMA      |            |            | 0.45/ 0.55/ 0.65/ 0.75   |
|            | MIRROR     |            |            |  |
|            | FLIP       |            |            |  |
|            | D-ZOOM     |            |            | 1.0X ~ 16.0X   |
|            | ACE        |            |            | OFF/LOW/ MIDDLE/ HIGH  |
|            | DEFOG      | OFF        |            |  |
|            |            | ON         | MODE       | AUTO/MANUAL  |
|            |            |            | LEVEL      | LOW/ MIDDLE/ HIGH  |
|            | SHADING    | OFF        |            |  |
|            |            | ON         | WEIGHT     | 0~100% (100%)  |

| SETUP MENU      | SUB MENU 1 | SUB MENU 2     | SUB MENU 3     | VALUE  |
|-----------------|------------|----------------|----------------|--|
| IMAGE           | 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   |
| SYSTEM          | COMM       | CAM ID         |                | 0 ~ 255 (1)  |
|                 |            | BAUDRATE       |                | 2400,4800,9600,57600,115200  |
|                 |            | CAM ID DISPLAY |                | OFF/ON   |
|                 | OUTPUT     | FRAME RATE     | HD-SDI         | 1080P_30(25), 1080i_60((50). 720P_60(50), 720P_30(25),             |
|                 |            |                | EX-SDI         | 1080P_60(50), 1080P_30(25), 1080i_60(50), 720P_60(50), 720P_30(25) |
|                 |            | FREQ           |                | 50Hz(PAL) / 60Hz(NTSC)   |
|                 |            | SDI MODE       |                | HD-SDI / EX-SDI  |
|                 |            | SDI OUT MODE   | EX-SDI         | 135M(V2.0), 135M+(V2.1), 270M(V1.0)                                |
|                 |            |                | HD-SDI         | Fixed [1.5G]   |
|                 |            |                | 1080p60(50)    | Fixed [270M]   |
|                 |            | ANALOG MODE    |                | CVBS, HD_T, HD_C, HD_A   |
|                 |            | CVBS OUT MODE  |                | CUT, FULL  |
|                 | LANGUAGE   |                |                | ENGLISH, CHINESE, CHINESE(S), JAPANESE, KOREAN                     |
|                 | 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  |