

## AID Series Dome Cameras

### Features

- 1/3" Sony New Structure Super HAD Color CCD
- 1/3" RGB Color DPS Sensor Pixim Orca D1500 Series CMOS (Wide Dynamic Range)
- Available in 520TVL and 550TVL
- 3-Axis Gimbal
- 0.02 or 0.0002 Lux @ 40 IRE, 0 Lux with IR LEDs
- IR Cut Filter Removable Day/Night Option
- Wide Dynamic Range w/ Secondary Video Output Option
- Automatic White Balance, Automatic Gain Control, Electronic Shutter Control, Back Light Compensation
- 35 IR LED Option
- 12VDC or 12VDC/24VAC Dual Voltage



### Lens Options

- 2.8~10mm, DC Auto Iris
- 9~22mm, DC Auto Iris

### Available Models

|              |                                                                            |
|--------------|----------------------------------------------------------------------------|
| AID-HV2810   | 2.8~10mm Vari-Focal Lens, 520TVL, 12VDC                                    |
| AID-HV2810N  | 2.8~10mm Vari-Focal Lens, 520TVL, 12VDC ICR D/N                            |
| AID-HV2810R  | 2.8~10mm Vari-Focal Lens, 520TVL 12VDC/24VAC, ICR D/N 35 IR LED            |
| AID-HV922    | 9~22mm Vari-Focal Lens, 520TVL, 12VDC                                      |
| AID-HV922N   | 9~22mm Vari-Focal Lens, 520TVL, 12VDC ICR D/N                              |
| AID-HV922R   | 9~22mm Vari-Focal Lens, 520TVL 12VDC/24VAC, ICR D/N 35 IR LED              |
| AID-QV2810   | 2.8~10mm Vari-Focal Lens, 550TVL 12VDC/24VAC                               |
| AID-QV2810N  | 2.8~10mm Vari-Focal Lens, 550TVL 12VDC/24VAC ICR D/N                       |
| AID-QV2810R  | 2.8~10mm Vari-Focal Lens, 550TVL 12VDC/24VAC ICR D/N 35 IR LED             |
| AID-QV2810W  | 2.8~10mm Vari-Focal Lens, 550TVL 12VDC/24VAC ICR D/N WDR DSS DNR           |
| AID-QV2810WR | 2.8~10mm Vari-Focal Lens, 550TVL 12VDC/24VAC ICR D/N WDR DSS DNR 35 IR LED |
| AID-QV922    | 9~22mm Vari-Focal Lens, 550TVL 12VDC/24VAC                                 |
| AID-QV922N   | 9~22mm Vari-Focal Lens, 550TVL 12VDC/24VAC ICR D/N                         |
| AID-QV922R   | 9~22mm Vari-Focal Lens, 550TVL 12VDC/24VAC ICR D/N 35 IR LED               |
| AID-QV922W   | 9~22mm Vari-Focal Lens, 550TVL 12VDC/24VAC ICR D/N WDR DSS DNR             |
| AID-QV922WR  | 9~22mm Vari-Focal Lens, 550TVL 12VDC/24VAC ICR D/N WDR DSS DNR 35 IR LED   |

# Specifications

|  |            |           |             |            |             |            |             |            |              |             |
|--|------------|-----------|-------------|------------|-------------|------------|-------------|------------|--------------|-------------|
|  | AID-HV2810 | AID-HV922 | AID-HV2810N | AID-HV922N | AID-HV2810R | AID-HV922R | AID-QV2810W | AID-QV922W | AID-QV2810WR | AID-QV922WR |
|  | AID-QV2810 | AID-QV922 | AID-QV2810N | AID-QV922N | AID-QV2810R | AID-QV922R |             |            |              |             |

|                                   |                                                     |                                                                                                       |                                                                                                     |                                                                                                               |                                                                                                             |                                                                                                               |
|-----------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Image device                      | 1/3" Sony New Structure Super HAD Color CCD         |                                                                                                       |                                                                                                     | 1/3" RGB Color DPS Sensor Pixim Orca D1500 Series                                                             |                                                                                                             |                                                                                                               |
| Image Processor                   | DSP (Digital Signal Processor)                      |                                                                                                       |                                                                                                     |                                                                                                               |                                                                                                             |                                                                                                               |
| Effective Pixels                  | 768(H) x 494(V)                                     |                                                                                                       |                                                                                                     | 720(H) x 540(V)                                                                                               |                                                                                                             |                                                                                                               |
| TV system                         | NTSC, 525lines / 2:1Interface                       |                                                                                                       |                                                                                                     | 60Hz(V), 15.75KHz                                                                                             |                                                                                                             |                                                                                                               |
| Scan freq.                        | 59.94Hz(V), 15.734KHz(H)                            |                                                                                                       |                                                                                                     |                                                                                                               |                                                                                                             |                                                                                                               |
| Synchronization                   | Internal                                            |                                                                                                       |                                                                                                     | Internal / Line-Lock                                                                                          |                                                                                                             |                                                                                                               |
| H. Resolution                     | 520TVL                                              |                                                                                                       |                                                                                                     | 550TVL                                                                                                        |                                                                                                             |                                                                                                               |
| Sensitivity                       | 0.02 Lux(F1.2@40IRE)                                |                                                                                                       |                                                                                                     | 0.0002 Lux(F1.2@40IRE)                                                                                        |                                                                                                             |                                                                                                               |
| S/N Ratio                         | 1/60~1/100,000sec                                   |                                                                                                       |                                                                                                     | 0.0002 Lux(F1.2@40IRE), 0 Lux with built-in 35 infrared LEDs                                                  |                                                                                                             |                                                                                                               |
| Electronic Iris                   |                                                     |                                                                                                       |                                                                                                     | More than 50dB with AGC OFF at 50IRE                                                                          |                                                                                                             |                                                                                                               |
| White Balance                     | 2000~8000% Automatic tracking                       |                                                                                                       |                                                                                                     | 1/2~1/100,000sec                                                                                              |                                                                                                             |                                                                                                               |
| WDR Mode                          | N / A                                               |                                                                                                       |                                                                                                     | 5 Modes - Low / Middle / High / Custom / BLC                                                                  |                                                                                                             |                                                                                                               |
| Digital Slow Shutter              | N / A                                               |                                                                                                       |                                                                                                     | On / Off 2x ~ 32X                                                                                             |                                                                                                             |                                                                                                               |
| BLC                               | N / A                                               |                                                                                                       |                                                                                                     | Built-in, Center weighted                                                                                     |                                                                                                             |                                                                                                               |
| BLC Zone                          | N / A                                               |                                                                                                       |                                                                                                     | 4 Areas - Center / Low / Mid / Upper                                                                          |                                                                                                             |                                                                                                               |
| AGC                               | 28dB Max                                            |                                                                                                       |                                                                                                     | 24dB Max                                                                                                      |                                                                                                             |                                                                                                               |
| External Controls                 | H Series<br>Q Series                                |                                                                                                       |                                                                                                     | ELC/ALC, BLC, Flickerless                                                                                     |                                                                                                             |                                                                                                               |
| Potentiometer                     | Dir Switch                                          |                                                                                                       |                                                                                                     | ELC/ALC, BLC, AGC, Flickerless, Sharpness, Day/Night                                                          |                                                                                                             |                                                                                                               |
|                                   |                                                     |                                                                                                       |                                                                                                     | Video level adjustment(iris)                                                                                  |                                                                                                             |                                                                                                               |
| V. Phase adjustment range         | N / A                                               |                                                                                                       |                                                                                                     | Video level adjustment(iris), Vertical phase adj.                                                             |                                                                                                             |                                                                                                               |
| V. phase locking range            | N / A                                               |                                                                                                       |                                                                                                     | 360° max                                                                                                      |                                                                                                             |                                                                                                               |
| Video Output                      | VBS 1Vpp +/-10%, 75ohm                              |                                                                                                       |                                                                                                     | 59.5Hz ~ 60.5Hz                                                                                               |                                                                                                             |                                                                                                               |
| Built-in Lens                     | f=2.8~10mm<br>F1.2/F1.2~F360<br>DC drive auto iris  | f=2.8~10mm<br>F1.2/F1.2~F360<br>DC drive auto iris<br>IR corrected, switched<br>IR cut filter DN lens | f=9~22mm<br>F1.4/F1.4~F360<br>DC drive auto iris<br>IR corrected, switched<br>IR cut filter DN lens | f=2.8~10mm<br>F1.2/F1.2~F360<br>DC drive auto iris<br>IR corrected lens + Switched<br>IR cut filter mechanism | f=9~22mm<br>F1.4/F1.4~F360<br>DC drive auto iris<br>IR corrected lens + Switched<br>IR cut filter mechanism | f=2.8~10mm<br>F1.2/F1.2~F360<br>DC drive auto iris<br>IR corrected lens + Switched<br>IR cut filter mechanism |
| Infrared LEDs                     | None                                                |                                                                                                       |                                                                                                     | 35pcs @ 850nm                                                                                                 |                                                                                                             |                                                                                                               |
| Indoor Night Observation Distance | N / A                                               |                                                                                                       |                                                                                                     | 20 Meters or 21.9 Yards(66ft)<br>at 40IRE of video output level                                               |                                                                                                             |                                                                                                               |
| Operating Power                   | H Series<br>Q Series                                |                                                                                                       |                                                                                                     | 24VAC(12~28.8VAC) or 12VDC (10.5~30VDC), 10Watts max                                                          |                                                                                                             |                                                                                                               |
| Operating condition               | 12VDC(9.0 ~ 15Vdc), 4 Watts Max                     |                                                                                                       |                                                                                                     | 24VAC(12~28.8VAC) or 12VDC (10.5~30VDC), 10Watts max                                                          |                                                                                                             |                                                                                                               |
| Dimension                         | 100(Pi) x 102(H) mm or 3.15(16(Pi) x 4.0 (H) inches |                                                                                                       |                                                                                                     | -10°C~+50°C or 14°F~+122°F 85% RH, Max. non-condensing                                                        |                                                                                                             |                                                                                                               |
| Weight                            | approximately 350g or 12.34oz                       |                                                                                                       |                                                                                                     |                                                                                                               |                                                                                                             |                                                                                                               |

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