



**2.1**

Megapixel



STAR-LIGHT™



AHD Signal



2.8-12mm Varifocal Lens



IP66 Rated

**5 YEAR**

Warranty

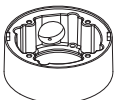
## Summary

STAR-LIGHT AHD™ Cameras with IR use existing coaxial cables to transmit crystal-clear 1080p images in any lighting conditions and increase system ROI. HD Analog provides an easy system upgrade to high definition video.

## Features

- Analog High Definition (HD Analog) HD over Coax Technology
- STAR-LIGHT™ Super Low Light Technology
- 1/3" CMOS Sensor
- 2.1MP, 1080p Resolution at 30fps
- Wide Dynamic Range (WDR)
- 2.8~12mm Varifocal P-Iris Lens
- OSD Control Via Coaxial (UTC)
- Smart IR™ with Intelligent Camera Sync. 100ft Range
- Smart DNR™ 3D Digital Noise Reduction
- Highlight Masking Exposure (HME)
- True Day/Night with Mechanical IR Cut Filter
- De-Fog™ Extreme Weather Image Compensation
- Auto Sensing 24VAC/12VDC with Line Lock
- Secondary Video-BNC Output
- Easy Icon Driven OSD Menu with Built-in Joystick
- Programmable Privacy Zones
- Auto Gain Control (AGC)
- Backlight Compensation (BLC)
- Dynamic Range Compressor (DRC) Reveals Low Light Detail
- Auto White Balance (AWB)
- RS-485 Built-in
- IP66 Certified (Weather Resistant)
- 5 Year Warranty

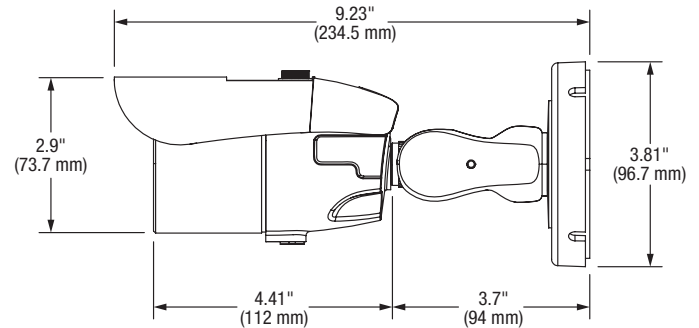
## Accessories (Optional)



DWC-BLJUNC  
Junction Box for Bullet Cameras

## Dimensions

Unit: Inch (mm)



## Specifications

| IMAGE                      |                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------|
| Image Sensor               | 1/3" CMOS                                                                             |
| Active Pixels              | 1944 (H) x 1092 (V)                                                                   |
| Scanning System            | Progressive Scan                                                                      |
| Frequency                  | 60Hz / 50Hz                                                                           |
| Signal Technology          | 2.1 Megapixel AHD                                                                     |
| Synchronization            | Internal                                                                              |
| Resolution                 | 1920x1080 (1080p)                                                                     |
| Minimum Scene Illumination | F1.4 (30IRE): 0.35Lux [Color]<br>F1.4 (30IRE): 0 Lux [B&W]                            |
| S/N Ratio                  | 55dB                                                                                  |
| Video Output               | AHD 1080p30fps / 720p60fps / 720p30fps                                                |
| Alarm Output               | 1 Alarm Output                                                                        |
| LENS                       |                                                                                       |
| Focal Length               | 2.8 ~ 12mm                                                                            |
| Lens Type                  | Vari-Focal P-Iris                                                                     |
| IR Distance                | 100ft                                                                                 |
| OPERATIONAL                |                                                                                       |
| Shutter Speed              | 1/30(25) – 1/30,000                                                                   |
| Backlight                  | Off / On                                                                              |
| STAR-LIGHT (Sense-up)      | Off, x2 – x32                                                                         |
| Wide Dynamic Range (WDR)   | Off / On                                                                              |
| Digital Noise Reduction    | Off, Low, Middle, High                                                                |
| White Balance              | Auto / Auto-Ex / Preset / Manual                                                      |
| Day and Night              | Day / Night / Auto                                                                    |
| Mirror / Flip              | Yes                                                                                   |
| Auto Gain Control          | Max 60dB                                                                              |
| Motion Detection           | Yes                                                                                   |
| Privacy Zones              | 16 Privacy Zones                                                                      |
| Sharpness                  | 0 ~ 10                                                                                |
| Gamma                      | 0.45 ~ 0.75                                                                           |
| RS485 / UTP Built-in       | PELCO D / PELCO C                                                                     |
| Digital Zoom               | x1.0 ~ x16.0                                                                          |
| ENVIRONMENTAL              |                                                                                       |
| Operating Temperature      | -4°F ~ 122°F (-20°C ~ 50°C)                                                           |
| Operating Humidity         | Less than 90% (Non-Condensing)                                                        |
| IP Rating                  | IP66 (Weather Resistant)                                                              |
| Other Certifications       | FCC, CE, ROHS                                                                         |
| ELECTRICAL                 |                                                                                       |
| Power Requirements         | DC12V / AC24V Dual Voltage                                                            |
| Power Consumption          | DC12V: 3.17W, 264mA, LED On: 4.36W, 363mA<br>AC24V: 3.12W, 130mA, LED On: 4.4W, 183mA |
| MECHANICAL                 |                                                                                       |
| Material                   | Aluminum                                                                              |
| Dimensions                 | 9.23 x 3.23 inch (234.5 x 82.2 mm)                                                    |
| Weight                     | 1.65 lbs (748.4 gr)                                                                   |

