



Summary

Featuring Star-Light Plus™ color in near-total darkness, 4K Universal HD over Coax® cameras deliver crystal-clear images and support HD-Analog, HD-TVI HD-CVI and all legacy analog signal support. The weather-resistant vandal ball cameras are IP67 rated, eliminate IR reflections, and can be controlled via the same coax cable using UTC. All Star-Light Plus™ 4K cameras are engineered to work with our VMAX® A1 4K™ DVRs using your existing coax infrastructure for a cost-effective, high resolution surveillance solution.

Features

- Universal HD over Coax® technology with HD-Analog, HD-TVI, HD-CVI and all legacy analog signal support
- Star-Light™ color in near-total darkness technology
- 1/1.8" image sensor
- 4K at 15fps, 4MP or 2.1MP/1080p at real-time 30fps
- 3.6 - 10mm vari-focal motorized zoom p-iris lens with auto-focus
- True wide dynamic range (WDR)
- OSD control via coaxial (UTC)
- 80' Smart IR™ with intelligent camera sync.
- Smart DNR™ 3D digital noise reduction
- True day/night mechanical IR cut filter
- De-Fog™ extreme weather image compensation
- Auto sensing 24VAC/12VDC with line lock
- Easy icon driven OSD menu with built-in joystick
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)
- Auto white balance (AWB)
- IP67 dust-tight and water-proof to 3 feet
- IK 10-rated impact-resistant
- 5 year warranty

Accessories (Optional)



DWC-VACM
Ceiling mount bracket



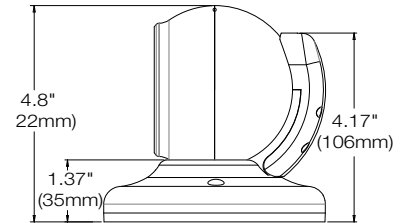
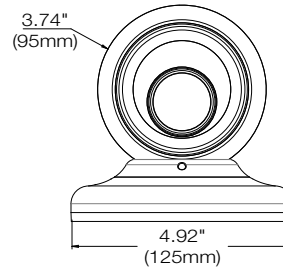
DWC-VAWM
Wall mount bracket



DWC-VAJUNC
Junction box

Dimensions

unit: Inch (mm)



Specifications

| IMAGE | |
|---------------------------------------|---|
| Image sensor | 4K 1/1.8" CMOS |
| Active pixels | 3864(H) x 2176(V) |
| Scanning system | Progressive scan |
| Frequency | 60Hz/50Hz |
| Signal technology | Universal HD over Coax® technology with HD-Analog, HD-TVI, HD-CVI to 4K and CVBS at 960H |
| Synchronization | Internal |
| Resolution | Max 3840 x 2160 |
| Minimum scene illumination | 0.09 lux (color) 0 lux (B/W) |
| Video output | 4K @ 15 fps, 4MP/1440p @ 30 fps, 2.1MP/1080p @ 30 fps |
| LENS | |
| Focal length | 3.6 - 10mm |
| Lens type | Vari-focal p-iris lens with motorized zoom and auto-focus |
| Field of view (FoV) | 98.4 - 45.7° |
| IR distance | 80ft range |
| OPERATIONAL | |
| Shutter mode | Auto |
| Shutter speed | 1/30-1/30,000 |
| Backlight (BLC) | Yes |
| Star-Light™ (sense-up) | Off-x32 (disabled at 4K) |
| Wide Dynamic Range (WDR) | Double shutter WDR |
| Wide dynamic range (WDR) dB | 120dB |
| Smart DNR™ 3D digital noise reduction | 3D/2D DNR |
| White balance | Yes |
| Highlight masking exposure (HME) | Yes |
| Dynamic range compression (DRC) | Yes |
| Day / night | Auto, day (color), night (B/W) |
| Mirror / flip | Yes |
| Auto gain control | Max 60dB |
| Motion detection | Yes |
| Privacy zones | Yes |
| Sharpness | Yes |
| Gamma | 0.45 |
| Highlight masking exposure (HME) | Yes |
| De-fog | Yes |
| RS485 / UTP built-in | UTC |
| ENVIRONMENTAL | |
| Operating temperature | -4°F - 122°F (-20°C - 50°C) |
| Operating humidity | 10-90% RH (non-condensing) |
| IP rating | IP67 rated |
| IK rating | IK10-rated impact resistant |
| Other certifications | FCC, CE, ROHS |
| ELECTRICAL | |
| Power requirements | DC12V/AC24V dual voltage |
| Power consumption | DC12V (LED off): 5.517W, 460mA DC12V (LED on): 8.98W, 748mA AC24V (LED off): 5.06W, 358mA AC24V (LED on): 8.03W, 552mA |
| MECHANICAL | |
| Material | Aluminum vandal ball housing |
| Dimensions | 4.92" x 4.8" (125 x 122 mm) |
| Weight | 1.58lbs (0.72kg) |
| Warranty | 5 year warranty |