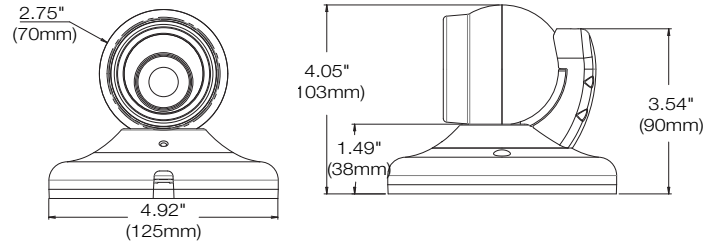




## Dimensions

unit: Inch (mm)



## 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
- 2.8mm fixed lens
- True wide dynamic range (WDR)
- OSD control via coaxial (UTC)
- 70' 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
- 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

## Specifications

<b>IMAGE</b>	
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	0.1 lux (color) 0 lux (B/W)
Video output	4K @ 15 fps, 4MP/1440p @ 30 fps, 2.1MP/1080p @ 30 fps
<b>LENS</b>	
Focal length	2.8mm
Lens type	Fixed lens
Field of view (FoV)	106.5°
IR distance	70ft range
<b>OPERATIONAL</b>	
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
<b>ENVIRONMENTAL</b>	
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
<b>ELECTRICAL</b>	
Power requirements	DC12V
Power consumption	DC12V (LED off): 3W, 250mA DC12V (LED on): 4.54W, 378mA
<b>MECHANICAL</b>	
Material	Aluminum vandal ball housing
Dimensions	4.92" x 4.05" (125 x 103 mm)
Weight	1.16lbs (0.53kg)
Warranty	5 year warranty

## Accessories (Optional)



DWC-VACM  
Ceiling mount bracket



DWC-VAWM  
Wall mount bracket



DWC-VAJUNC  
Junction box