

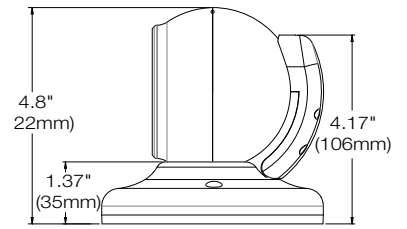
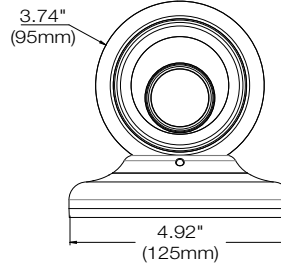


**NDAA/TAA**  
COMPLIANT PRODUCTS

**4K**  
ULTRA HD  
30fps

## Dimensions

Unit: Inch (mm)



**4K** Resolution    Universal HD / Analog    Star-Light Plus™    Motorized Zoom Auto-Focus P-Iris Lens    IP67 Rated    **5 YEAR** Warranty

## Summary

Featuring Star-Light Plus™ color in near-total darkness, the 4K Universal HD over Coax® cameras are NDAA/TAA compliant, delivering crystal-clear images and support HD-Analog, HD-TVI, HD-CVI and all legacy analog signal. 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 Plus™ 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)
- Vandal ball housing reduces IR reflection with true 90° tilting and 360° rotation
- 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)
- NDAA/TAA compliant
- IP67 dust-tight and waterproof to 3 feet
- IK 10-rated impact-resistant
- 5 year warranty

## 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
Synchronization	Internal
Resolution	Max 3840 x 2160
Minimum scene illumination	0.09 lux (color) 0 lux (B/W)
Video output	4K @ 15fps 4MP/1440p @ 30fps 2.1MP/1080p @ 30fps
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 compensation (BLC)	Yes
Star-Light™ (sense-up)	Off-x32 (not available at 4K)
Wide Dynamic Range (WDR)	Double shutter ture 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
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

## Accessories (Optional)



DWC-VACM  
Ceiling mount bracket



DWC-VAWM  
Wall mount bracket



DWC-VAJUNC  
Junction box