



## Summary

Featuring Star-Light Plus™ color in near-total darkness, 5MP Star-Light Plus™ Universal HD over Coax<sup>®</sup> cameras deliver crystal-clear images and support HD-Analog, HD-TVI and HD-CVI. The weather resistant vandal ball cameras are IP66 rated, eliminate IR reflections, and can be controlled via the same coax cable using UTC. All DW<sup>®</sup> Universal HD over Coax<sup>®</sup> cameras are engineered to work with our VMAX<sup>®</sup> A1 Plus™ DVRs using your existing coax infrastructure for a cost effective, high resolution surveillance solution.

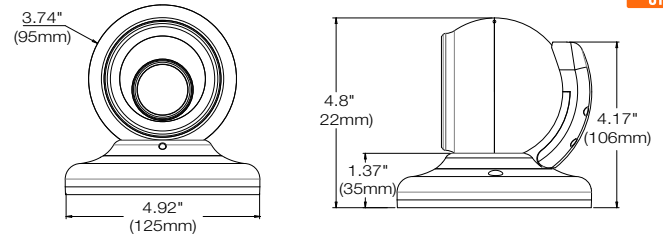
## Features

- Universal HD over Coax<sup>®</sup> technology with HD-Analog, HD-TVI, HD-CVI
- Star-Light™ color in near-total darkness technology
- 1/2.8" image sensor
- 5MP at 20fps, 4MP at real-time 30fps
- 2.7-13.5mm 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)
- UL listed
- NDAA compliant
- IP67 dust-tight and water-proof to 3 feet
- IK 10-rated impact-resistant
- 5 year warranty

## Accessories (Optional)



## Dimensions unit: Inch (mm)



## Specifications



IMAGE	
Image sensor	5MP 1/2.8" CMOS
Active pixels	2608(H) x 1960(V)
Scanning system	Progressive scan
Frequency	60Hz / 50Hz
Signal technology	Universal HD over Coax <sup>®</sup> technology with HD-Analog, HD-TVI, HD-CVI to 5MP
Synchronization	Internal
Resolution	2592(H) x 1944(V)
Minimum scene illumination	0.08 lux (color) 0 lux (B&W)
Video output	HD-Analog and HD-TVI: 5MP/1944p @ 20fps and 12.5fps HD-Analog, HD-TVI and HD-CVI: 4MP/1440p @ 30fps
LENS	
Focal length	2.7 - 13.5mm
Lens type	Vari-focal p-iris lens with motorized zoom and auto-focus
Field of view (FoV)	85 - 32°
IR distance	80ft range
OPERATIONAL	
Shutter mode	Auto
Shutter speed	1/30-1/30,000
Backlight (BLC)	Yes
Star-Light (sense-up)	Off - x32
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
Day / night	Auto, day (color), night (B/W)
Mirror / flip	Yes
Auto gain control	Max 72dB
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	IK 10-rated impact-resistant
Other certifications	UL listed, FCC, CE, ROHS
ELECTRICAL	
Power requirements	DC12V / AC24V dual-voltage
Power consumption	DC12V(LED OFF): 4.36W (363mA)
	DC12V(LED ON): 7.6W (638mA)
	AC24V(LED OFF): 4.5W (278mA) AC24V(LED ON): 6.27W (456mA)
MECHANICAL	
Material	Aluminum vandal ball housing
Dimensions	4.92" x 4.8" (125 x 122 mm)
Weight	1.58lbs (0.72kg)



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