

Vari-Focal Lens  
with Motorized Zoom  
and Auto Focus



**2.1MP**

Resolution



HD-Analog Signal



Star-Light Plus™



Optical Zoom



0-360° Endless Pan



IP66 Rated

## Summary

Star-Light Plus™ color in near-total darkness 2.1MP/1080p HD over Coax® 20x Pan-Tilt-Zoom (PTZ) cameras deliver crystal-clear images and support real-time 30fps HD-Analog, HD-TVI and all analog signals to 960H. The camera features 20x optical zoom and 16x digital zoom, 0-360° endless pan in an IP66 weather-resistant dome housing. A wall mount and ceiling mount are available, sold separately and necessary to complete the camera's installation. Star-Light Plus™ Universal HD over Coax® cameras are engineered to work with our VMAX A1 Plus™ Universal HD over Coax® 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 and all legacy analog signal support
- Star-Light Plus™ color in near-total darkness technology
- 2.1MP/1080p 1/2.8" image sensor at real-time 30fps
- Analog legacy analog output (720x480)
- 4.7-94mm motorized zoom auto-focus lens
- 20x optical zoom + 16x digital zoom
- True Wide Dynamic Range (WDR)
- OSD control via coaxial (UTC)
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Programmable privacy zones
- Auto gain control (AGC)
- Backlight compensation (BLC)
- Auto white balance (AWB)
- Digital image stabilizer (DIS)
- Motion detection
- Pan 0-360° endless, 180° per second pan speed
- Vector drive technology - pan/tilt motion in shortest path
- 240 preset positions
- 8 patterns
- 8 tours
- RS-485 built-in
- Alarm sensor input
- Relay output
- IP66 environmental-rated dust-tight and water-resistant
- IK 10-rated impact-resistant

## Accessories (Required. Sold separately.)



DWC-P220WMW  
Wall mount bracket



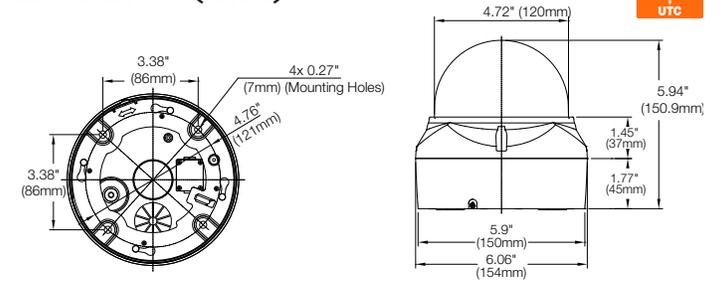
DWC-P336CNM  
Corner and pole mount bracket



DWC-P220CMW  
Ceiling mount bracket

## Dimensions

unit: Inch (mm)



UNIVERSAL  
**HD COAX**



## Specifications

IMAGE	
Image sensor	2.1MP/1080p 1/2.8" CMOS sensor
Active pixels	1945 (H) x 1097 (V)
Scanning system	Progressive scan
Synchronization	Internal
Resolution	HD-TVI: 2.1MP/1080p at 30fps, 720p at 30/60fps HD-Analog: 2.1MP/1080p at 30fps CVBS: 720 x 480 at 30fps
Minimum scene illumination	0.35 lux (color) 0.013 lux (B/W)
LENS	
Focal length	4.7-94mm, F1.6
Lens type	Motorized zoom auto-focus lens
Angle of view	55.5° - 3°
Digital zoom / zoom	20x optical zoom, 16x digital zoom
I/O	
Alarm input/ output	4/1
OPERATIONAL	
Shutter mode	Auto, manual, shutter priority, iris priority
Shutter speed	30fps: auto (1/30,000 - x8 sec.), manual 60fps: auto (1/50,000 - x8 sec.), manual
Backlight (BLC)	Yes
De-fog	Yes
Wide Dynamic Range (WDR)	True WDR, on, off, night off
Wide dynamic range (WDR) dB	100dB
Digital image stabilizer (DIS)	Yes
Smart DNR™ 3D digital noise reduction	Off, low, middle, high
White balance	Auto, fluorescent, incandescent, outdoor, manual
Day / night	Auto, day (color), night (B/W)
Mirror / flip	Yes
Privacy zones	16 programmable privacy masks
PTZ FUNCTION	
Pan range and speed	360° endless, max. 380°/sec. (preset)
Tilt range and speed	-10-190°, max. 380°/sec. (preset)
Auto scan	1 auto pan, 16 auto scans
Auto calibration	0.1-6°
Preset	240
Tour	8
Pattern	8
Home function	Yes
ID (camera address)	1-3999
Control	UTC, RS-485 baud rate: 2,400 - 38,400bps (default: 9,600bps)
ENVIRONMENTAL	
Operating temperature	14°F - 122°F (-10°C - 50°C)
Operating humidity	0-90% RH (non-condensing)
IP rating	IP66 rated weather and tamper-resistant
IK rating	IK-10 impact-resistant
Other certifications	FCC, CE, ROHS
ELECTRICAL	
Power requirements	12VDC, 24VAC
Power consumption	Max. 12W, 1A
MECHANICAL	
Material	Aluminum PTZ, polycarbonate dome
Dimensions	6.06" x 5.9" (154 x 150 mm)
Weight	Approx. 3.5 lbs (1.6kg)