



**5MP** at 20fps  
Universal HD / Analog  
Star-Light Plus™  
2.7-13.5mm  
Vari-focal P-Iris Lens  
WDR  
**5 YEAR** Warranty

## Summary

Featuring Star-Light Plus™ color in near-total darkness, 5MP Star-Light Plus™ Universal HD over Coax® cameras deliver crystal-clear images and support HD-Analog, HD-TVI and HD-CVI. The weather resistant vandal dome cameras are IP66 rated and can be controlled via the same coax cable using UTC. All DW® Universal HD over Coax® cameras are engineered to work with our VMAX® A1 Plus™ 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
- 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 p-iris lens
- True wide dynamic range (WDR)
- OSD control via coaxial (UTC)
- CleanView™ hydrophobic dome coating repels water, dust and grease
- 100' 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)
- 1 alarm output
- IP66 environmental-rated dust-tight and water-resistant
- IK 10-rated impact-resistant
- 5 year warranty

## Accessories (Optional)



DWC-V1WM  
Wall mount bracket



DWC-V1CNM  
Corner mount



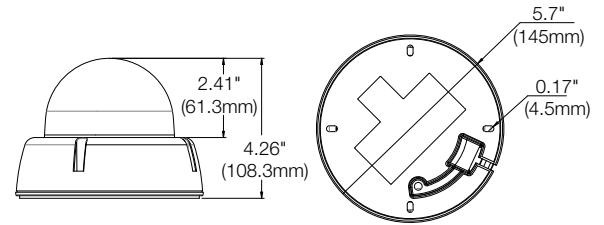
DWC-V1JUNC  
Junction box



DWC-V1CM  
Ceiling mount bracket

## 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® technology with HD-Analog, HD-TVI, HD-CVI to SMP  |
| Synchronization                          | Internal  |
| Resolution                               | 2592(H) x 1944(V)   |
| Minimum scene illumination               | 0.08 lux (color)<br>0 lux (B&W)   |
| Video output                             | HD-Analog and HD-TVI: 5MP/1944p @ 20fps and 12.5fps<br>HD-Analog, HD-TVI and HD-CVI: 4MP/1440p @ 30fps                      |
| 2nd video output                         | CVBS output for video testing   |
| I/O                                      |   |
| Alarm output                             | 1 alarm output  |
| LENS                                     |   |
| Focal length                             | 2.7 - 13.5mm  |
| Lens type                                | Vari-focal p-iris lens  |
| Field of view (FoV)                      | 122 - 40.8°   |
| IR distance                              | 100ft 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™<br>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                     | Pelco D / UTC   |
| ENVIRONMENTAL                            |   |
| Operating temperature                    | -4°F - 122°F (-20°C - 50°C)   |
| Operating humidity                       | 10-90% RH (non-condensing)  |
| IP rating                                | IP66 environmental-rated dust-tight and water-resistant   |
| IK rating                                | IK 10-rated impact-resistant  |
| Other certifications                     | FCC, CE, ROHS   |
| ELECTRICAL                               |   |
| Power requirements                       | DC12V/AC24V dual voltage  |
| Power consumption                        | DC12V(LED OFF): 3.3W (275mA)<br>DC12V(LED ON): 5.9W (495mA)<br>AC24V(LED OFF): 2.75W (200mA)<br>AC24V(LED ON): 5.3W (360mA) |
| MECHANICAL                               |   |
| Material                                 | Aluminum vandal housing, polycarbonate dome   |
| Dimensions                               | 5.7" x 4.26" (145 x 108.3 mm)   |
| Weight                                   | 1.98lbs (0.9kg)   |