



## Summary

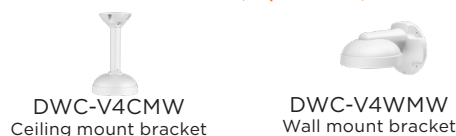
This MEGAPIX® IP camera provides 5MP resolution at real-time 30fps. It includes a 2.7-13.5mm vari-focal p-iris lens with motorized zoom and auto-focus, simultaneous H.265/H.264/MJPEG codec support, Star-Light Plus™ color in near-total darkness technology for quality video in any lighting condition and Cold Start at -40° F/-40° C. The unique Snapit™ housing is easy to install, includes CleanView™ dome treatment and is IP68-rated. All MEGAPIX® cameras are ONVIF conformant, assuring their successful integration with any open platform solution on the market.

## Features

- 5MP 1/2.8" image sensor at real-time 30fps
- Star-Light Plus™ color in near-total darkness technology
- 2.7-13.5mm vari-focal p-iris lens with motorized zoom and auto-focus
- True Wide Dynamic Range (WDR)
- Triple codecs (H.265, H.264, MJPEG) with simultaneous streaming
- 100' Smart IR™ with intelligent camera sync
- CleanView™ hydrophobic dome coating repels water, dust and grease
- Snapit™ easy installation camera
- Smart DNR™ 3D digital noise reduction
- True day/night with mechanical IR cut filter
- Programmable privacy zones
- Auto gain control (AGC)
- Auto white balance (AWB)
- Motion detection
- Two-way audio
- Micro SD/SDHC/SDXC class 10 card slot (card not included)
- Alarm sensor input
- Relay output
- Web server built-in
- PoE class 3 and DC12V
- IP68 dust-tight and waterproof
- IK 10-rated impact-resistant
- 5 year warranty

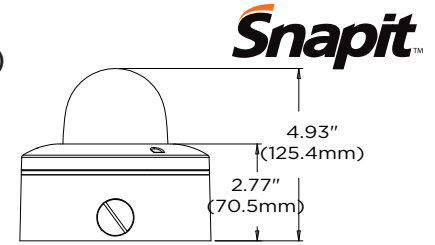


## Accessories (Optional)



## Dimensions

unit: Inch (mm)



## Specifications

| IMAGE                                 |                                                                                                                                                                                                                         |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image sensor                          | 5MP 1/2.8" CMOS                                                                                                                                                                                                         |
| Total pixels                          | 2592(H) X 1944(V)                                                                                                                                                                                                       |
| Minimum scene illumination            | 0.08 lux (color)                                                                                                                                                                                                        |
|                                       | 0 lux (B/W)                                                                                                                                                                                                             |
| Video output                          | Local video output CVBS 1.0V p-p (75Ω), 4:3 aspect ratio                                                                                                                                                                |
| LENS                                  |                                                                                                                                                                                                                         |
| Focal length                          | 2.7 - 13.5mm, F1.4                                                                                                                                                                                                      |
| Lens type                             | Vari-focal p-iris lens with motorized zoom and auto-focus                                                                                                                                                               |
| Field of view (FoV)                   | 31° - 96°                                                                                                                                                                                                               |
| IR distance                           | 100ft range                                                                                                                                                                                                             |
| Optical zoom                          | x5 optical zoom                                                                                                                                                                                                         |
| I/O                                   |                                                                                                                                                                                                                         |
| Audio in / out                        | 1/1                                                                                                                                                                                                                     |
| Audio compression                     | G.711                                                                                                                                                                                                                   |
| Alarm in / out                        | 1/1                                                                                                                                                                                                                     |
| OPERATIONAL                           |                                                                                                                                                                                                                         |
| Shutter mode                          | Auto, manual, anti-flicker, slow shutter                                                                                                                                                                                |
| Shutter speed                         | 1/15 - 1/32000                                                                                                                                                                                                          |
| Slow shutter                          | 1/2, 1/3, 1/5, 1/6, 1/7.5, 1/10                                                                                                                                                                                         |
| Auto gain control                     | Auto                                                                                                                                                                                                                    |
| Day / night                           | Auto, day (color), night (B/W)                                                                                                                                                                                          |
| Smart DNR™ 3D digital noise reduction | 3D-DNR                                                                                                                                                                                                                  |
| Wide dynamic range (WDR)              | True WDR, 120dB                                                                                                                                                                                                         |
| Privacy zone                          | 16 programmable privacy masks                                                                                                                                                                                           |
| Mirror and flip                       | Yes                                                                                                                                                                                                                     |
| Alarm notifications                   | Notifications via e-mail, FTP server, alarm output activation or SD card recording                                                                                                                                      |
| Memory slot                           | Micro SD / SDHC / SDXC (card not Included)                                                                                                                                                                              |
| NETWORK                               |                                                                                                                                                                                                                         |
| LAN                                   | RJ45 (10/100Base-T)                                                                                                                                                                                                     |
| Video compression type                | H.265, H.264, MJPEG                                                                                                                                                                                                     |
| Resolution                            | H.265: 2592x1944, 2304x1296, 21MP/1080p, 720p, VGA, D1, CIF<br>H.264: 2592x1944, 2304x1296, 21MP/1080p, 720p, VGA, D1, CIF<br>MJPEG: 21MP/1080p, 720p, 800x600, VGA, 768x432, D1, CIF<br>Up to 30fps at all resolutions |
| Frame rate                            | Up to 30fps at all resolutions                                                                                                                                                                                          |
| Video bitrate                         | 100Kbps - 10Mbps, Multi-rate for Preview and Recording                                                                                                                                                                  |
| Bitrate control                       | Multi-streaming CBR/VBR at H.264, H.265 (controllable frame rate and bandwidth)                                                                                                                                         |
| Streaming capability                  | Dual-stream at different rates and resolutions                                                                                                                                                                          |
| IP                                    | IPv4, IPv6                                                                                                                                                                                                              |
| Protocol                              | TCP/IP, UDP, AutoIP, RTP (UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3 (MIB-2), ONVIF                                                                                          |
| Security                              | HTTPS(SSL), IP filtering, 802.1x, digest authentication(ID/PW)                                                                                                                                                          |
| ONVIF conformance                     | Yes                                                                                                                                                                                                                     |
| Web viewer                            | OS: Windows®, Mac® OS, Linux®<br>Browser: Internet Explorer®, Google Chrome®, Mozilla Firefox®, Safari®                                                                                                                 |
| Video management software             | DW Spectrum® IPVMS                                                                                                                                                                                                      |
| ENVIRONMENTAL                         |                                                                                                                                                                                                                         |
| Operating temperature                 | -40°F - 122°F (-40°C - 50°C)                                                                                                                                                                                            |
| Operating humidity                    | 10-90% RH (non-condensing)                                                                                                                                                                                              |
| IP rating                             | IP68-rated                                                                                                                                                                                                              |
| IK rating                             | IK10 impact-resistant                                                                                                                                                                                                   |
| Other certifications                  | CE, FCC, RoHS                                                                                                                                                                                                           |
| ELECTRICAL                            |                                                                                                                                                                                                                         |
| Power requirement                     | DC12V, PoE IEEE 802.3af Class 3 (Adapter not Included)                                                                                                                                                                  |
| Power consumption                     | DC12V: max 8.3W, PoE: max 10.5W                                                                                                                                                                                         |
| MECHANICAL                            |                                                                                                                                                                                                                         |
| Material                              | Snapit™ aluminum vandal housing, polycarbonate dome                                                                                                                                                                     |
| Dimensions                            | 5.47" x 4.93" (139 x 125.4 mm)                                                                                                                                                                                          |
| Weight                                | 2.75 lbs (1.25kg)                                                                                                                                                                                                       |
| Warranty                              | 5 years warranty                                                                                                                                                                                                        |

