

# DC-D4538RA

## H.265 5MP AI IR Dome Camera (LightMaster NIR)



- Easy installation with DirectIP NVR
- PoE (IEEE 802.3af Class 3)
- Alarm in / out
- H.265 and Intelligent Codec
- IR LED (40m / 131.2 ft (6ea))
- Audio in (+ Built In MIC) / out

- Remote Motorized Focus and Zoom
- IDIS Deep-Learning Analytics (IDLA)

### SPECIFICATIONS

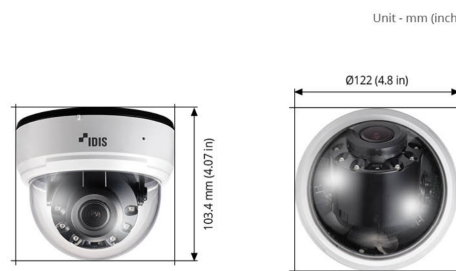
| Video                             |                                                                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                      | 1/2.8" CMOS                                                                                                                                                          |
| Max. Resolution                   | 2592 x 1944                                                                                                                                                          |
| Scanning Mode                     | Progressive Scan                                                                                                                                                     |
| Lens Type                         | Motorized Vari-focal                                                                                                                                                 |
| Focal Length                      | 2.7 ~ 13.5mm                                                                                                                                                         |
| Aperture                          | F1.4 ~ 3.2                                                                                                                                                           |
| Iris Control                      | DC Iris                                                                                                                                                              |
| Angular Field of View             | [4:3 mode] Wide : 101.2°(H) 72.5°(V) 137.4°(D) Tele : 30.4°(H) 22.8°(V) 38°(D)<br>[16:9 mode] Wide : 101.2°(H) 53.3°(V) 121.6°(D) Tele : 30.4°(H) 17°(V) 34.7°(D)    |
| Min. Illumination                 | COLOR: 0.13 lux @ F1.4 B/W : 0 lux (IR LED ON)                                                                                                                       |
| Dynamic Range                     | 120dB (True WDR)                                                                                                                                                     |
| Electronic Shutter Speed          | Auto / Manual (1/30 ~ 1/10,000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)                                                                                            |
| Day and Night                     | Yes (ICR)                                                                                                                                                            |
| IR Distance (LEDs)                | 40m / 131.2 ft (6ea)                                                                                                                                                 |
| Image Setting                     | Exposure, White Balance, Self-Adjusting Video Mode (Sharpness, Contrast, Colors, Brightness Control)                                                                 |
| Mirroring / Pivot                 | Horizontal / Vertical / Pivot                                                                                                                                        |
| De-fog                            | Yes                                                                                                                                                                  |
| Privacy Masking                   | 8 Zones                                                                                                                                                              |
| Intelligent Video                 | Object Metadata: Human, Vehicle, Face IDLA: Object Detection, Intrusion, Loitering, Line Crossing, Face Detection ETC Video Motion Detection, Active Tampering Alarm |
| Pan/Tilt/Rotate                   |                                                                                                                                                                      |
| Pan Range                         | -175° ~ 175°                                                                                                                                                         |
| Tilt Range                        | 0° ~ 60°                                                                                                                                                             |
| Rotate Range                      | -177° ~ 177°                                                                                                                                                         |
| Network                           |                                                                                                                                                                      |
| Video Compression                 | H.265, H.264 (MP), M-JPEG                                                                                                                                            |
| Intelligent Codec                 | Yes                                                                                                                                                                  |
| Bitrate Control                   | H.265 - CBR/ VBR H.264 - CBR/ VBR                                                                                                                                    |
| Audio Compression                 | Opus, ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law                                                                                                                     |
| Two-way Audio                     | Yes                                                                                                                                                                  |
| IP Camera Protocol                | DirectIP 2.0, ONVIF Profile S/T                                                                                                                                      |
| Max. Frame Rate                   | 4:3 mode : 30ips : 2592 x 1944(WDR) 16:9 mode : 30ips : 2592 x 1456(WDR)                                                                                             |
| Supported Resolution              | 4:3 : 2592x1944, 1920x1440, 1280x960, 640x480 16:9 : 2592x1456, 1920x1080, 1280x720, 640x360                                                                         |
| Multi-video Streaming             | Quadruple Streaming                                                                                                                                                  |
| Network Protocols                 | DirectIP 2.0 Protocol, IPv4, IPv6, RTP/RTSP/RTCP/RTSP/HTTP/TCP/RTSP/UDP/RTSP/HTTP/HTTPS/FTP/SNTP/SMTP/FEN mDNS, uPNP, SNMPv2                                         |
| Security                          | Digest authentication, Password Protection, User access log, IP Filtering, IEEE802.1X(EAP-TLS), Chained Fingerprint, SSLEncryption, HTTPEncryption                   |
| Ethernet                          | RJ45 (10/100BASE-T)                                                                                                                                                  |
| Recording Session Buffer (NLTRec) | Yes (Up to 60MB)                                                                                                                                                     |
| Edge Storage                      | micro SD/SDHC/SDXC Smart Failover (Up to 512GB)                                                                                                                      |
| Alarm and Event                   |                                                                                                                                                                      |
| Trigger Event                     | Motion Detection, Alarm in, Audio detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection                                        |
| Event Notification                | Remote S/W, Email (with Image)                                                                                                                                       |
| Audio Alarm                       | Yes                                                                                                                                                                  |
| Audio In / Out                    | 1(Built In MIC)+1 / 1                                                                                                                                                |
| Alarm In / Out                    | 1 / 1                                                                                                                                                                |
| Environmental                     |                                                                                                                                                                      |
| Operating Temperature             | -10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)                                                                                                      |
| Operating Humidity                | 0% ~ 90%                                                                                                                                                             |
| Electrical                        |                                                                                                                                                                      |
| Power Source                      | 12VDC, PoE IEEE802.3af(Class 3)                                                                                                                                      |
| Power Consumption                 | 12V~, 1A, 12W PoE IEEE802.3af(Class 3), 9.5W                                                                                                                         |
| Approval                          | FCC CE KC                                                                                                                                                            |
| Mechanical                        |                                                                                                                                                                      |
| Dimensions                        | Ø122 x 103.4mm(Ø4.8" x 4.07")                                                                                                                                        |
| Weight                            | 0.35kg (0.77lb)                                                                                                                                                      |



### PRODUCT IMAGE



### DIMENSIONS



### ACCESSORIES (OPTIONAL)

| DA-MA4300     | DA-WM2050   | DA-CM2050     | DA-LM2000                            |
|---------------|-------------|---------------|--------------------------------------|
|               |             |               |                                      |
| MOUNT ADAPTER | WALL MOUNT  | CEILING MOUNT | Pole Mount                           |
| DA-RM2000     | DA-FM1500   | DA-WM4200     | DA-FM1600                            |
|               |             |               |                                      |
| Corner Mount  | Flush Mount | Wall mount    | Indoor Dome Flush (In-ceiling) Mount |

# ACCESSORY CONFIGURATION BY INSTALLATION ENVIRONMENT

| PRODUCT    | INSTALLATION ENVIRONMENT | ACCESSORY CONFIGURATION                                                                                                                                      |
|------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DC-D4538RA | WALL                     | <div><div>MOUNT ADAPTER</div>Model:DA-MA4300</div>                         |
|            |                          | <div>+</div>                                                                                                                                                 |
|            |                          | <div><div>WALL MOUNT</div>Model:DA-WM2050</div>                            |
|            |                          | or                                                                                                                                                           |
|            | CELLING                  | <div><div>WALL MOUNT</div>Model:DA-WM4200</div>                            |
|            |                          | <div>+</div>                                                                                                                                                 |
|            |                          | <div><div>MOUNT ADAPTER</div>Model: DA-MA4300</div>                        |
|            |                          | <div><div>CEILING MOUNT</div>Model: DA-CM2050</div>                         |
|            | POLE                     | <div><div>MOUNT ADAPTER</div>Model: DA-MA4300</div>                        |
|            |                          | <div>+</div>                                                                                                                                                 |
|            |                          | <div><div>WALL MOUNT</div>Model: DA-WM2050</div>                           |
|            |                          | <div>+</div>                                                                                                                                                 |
|            |                          | <div><div>POLE MOUNT</div>Model: DA-LM2000</div>                            |
|            | CORNER                   | <div><div>MOUNT ADAPTER</div>Model:DA-MA4300</div>                         |
|            |                          | <div>+</div>                                                                                                                                                 |
|            |                          | <div><div>WALL MOUNT</div>Model:DA-WM2050</div>                          |
|            |                          | <div>+</div>                                                                                                                                                 |
|            | ETC                      | <div><div>CORNER MOUNT</div>Model:DA-RM2000</div>                        |
|            |                          | <div><div>FLUSH MOUNT</div>Model: DA-FM1500</div>                        |
|            |                          | or                                                                                                                                                           |
|            |                          | <div><div>INDOOR DOME<br/>FLUSH (IN-CEILING)</div>Model: DA-FM1600</div> |