

## DC-D2233

- Easy installation with DirectIP NVR
- Full HD (1080p) resolution
- Motorized vari-focal lens (f=3.3 - 10mm)
- micro SD / SDHC, Smart Failover
- Two-way audio
- Alarm In / out
- PoE (IEEE 802.3af Class 3), 12VDC
- Day and night (ICR)
- 3-axis mechanical design for installation
- Supports ONVIF



### SPECIFICATIONS

| VIDEO                    |                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------|
| Image Sensor             | 1/2.8" CMOS                                                                                                            |
| Max. Resolution          | 1920 x 1080                                                                                                            |
| Scanning Mode            | Progressive Scan                                                                                                       |
| Lens Type                | Motorized Vari-focal                                                                                                   |
| Focal Length             | f=3.3 - 10mm                                                                                                           |
| Aperture                 | F1.3 - 2.5                                                                                                             |
| Iris Control             | DC Auto Iris                                                                                                           |
| Angular Field of View    | Wide : 99.8° (H), 52.2° (V), 118.2° (D)<br>Tele : 33.5° (H), 18.6° (V), 38.3° (D)                                      |
| Pan / Tilt Range         | Pan : -165° ~ 165°, Tilt : 7° ~ 90°, Rotate : -178° ~ 178°                                                             |
| Min. Illumination        | Color : 0.3 Lux @ F1.3<br>B/W : 0.002 Lux @ F1.3                                                                       |
| Dynamic Range            | 74.7dB                                                                                                                 |
| Electronic Shutter Speed | Auto / Manual (1/30 ~ 1/8000), Anti-Flicker, Slow Shutter (1 ~ 1/5, 1/7.5, 1/15)                                       |
| Day and Night            | IR Cut Filter with Auto Switch                                                                                         |
| IR Distance (LEDs)       | -                                                                                                                      |
| Image Setting            | Configurable Exposure, White Balance, Sharpness                                                                        |
| Digital Noise Reduction  | Configurable 2DNR                                                                                                      |
| Backlight Compensation   | On / Off / HSBC                                                                                                        |
| Image Stabilizer         | -                                                                                                                      |
| De-fog                   | -                                                                                                                      |
| Privacy Masking          | 16 Zones                                                                                                               |
| Intelligent Video        | Video Motion Detection, Active Tampering Alarm, Trip Zone                                                              |
| Video Out                | 1 BNC                                                                                                                  |
| NETWORK                  |                                                                                                                        |
|                          | <b>DirectIP Mode</b> <b>Compatibility Mode</b>                                                                         |
| Video Compression        | H.264 (MP), M-JPEG                                                                                                     |
| Intelligent Codec        | -                                                                                                                      |
| Bitrate Control          | H.264 - CBR / VBR                                                                                                      |
| Audio Compression        | G.726, G.711                                                                                                           |
| Two-way Audio            | Yes                                                                                                                    |
| IP Camera Protocol       | DirectIP      IDIS ONVIF Profile S                                                                                     |
| Max. Frame Rate          | 30ips : 1920 x 1080      30ips : 1920 x 1080                                                                           |
| Supported Resolution     | 1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240      1920 x 1080, 1280 x 720, 704 x 480, 640 x 360, 352 x 240 |
| Multi-video Streaming    | Quadruple Streaming      Triple Streaming                                                                              |
| Network Protocols        | DirectIP Protocol      RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP, RTSP/TCP, HTTP, HTTPS, FTP, SMTP, FEN, mDNS, uPNP     |
| Security                 | SSL Encryption      Multi-user Authority, IEEE 802.1x, IP Filtering, HTTPS, SSL Encryption                             |
| Remote Access Client     | DirectIP NVR Connection      IDIS Web, IDIS Mobile, IDIS Solution Suite                                                |
| Ethernet                 | RJ45 (10/100 BASE-T)                                                                                                   |
| Recording Session Buffer | Yes (Up to 60MB)                                                                                                       |
| Edge Storage             | micro SD / SDHC, Smart Failover                                                                                        |
| ALARM AND EVENT          |                                                                                                                        |
| Trigger Event            | Motion Detection, Alarm In, Audio Detection, Tampering, Trip Zone                                                      |
| Event Notification       | Remote S/W, Email (With Image)                                                                                         |
| Audio In / Out           | Line-in 1ea / Line-out 1ea                                                                                             |
| Alarm In / Out           | Input 1ea / Output 1ea                                                                                                 |
| ENVIRONMENTAL            |                                                                                                                        |
| Vandal Proof Casing      | -                                                                                                                      |
| Outdoor Ready            | -                                                                                                                      |
| Operating Temperature    | -10°C ~ +50°C (+14°F ~ +122°F)<br>*Starting Up at Above 0°C (32°F)                                                     |
| Operating Humidity       | 0% ~ 90%                                                                                                               |
| ELECTRICAL               |                                                                                                                        |
| Power Source             | 12VDC, PoE (IEEE 802.3af Class 3)                                                                                      |
| Power Consumption        | 3.5W                                                                                                                   |
| Approvals                | FCC, CE, KC                                                                                                            |
| MECHANICAL               |                                                                                                                        |
| Dimensions               | Ø130mm x 101.8mm (Ø5.12" x 4.01")                                                                                      |
| Weight                   | 0.43kg (0.95lb)                                                                                                        |

### DIMENSIONS

(Unit - mm)



### ACCESSORIES (OPTIONAL)



### ACCESSORIES CONFIGURATION TREE

