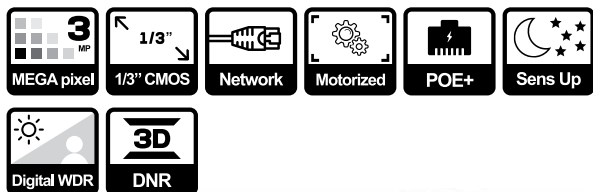


# KPN-300

NETWORK

## 1/3" 3MP IP Bullet Camera

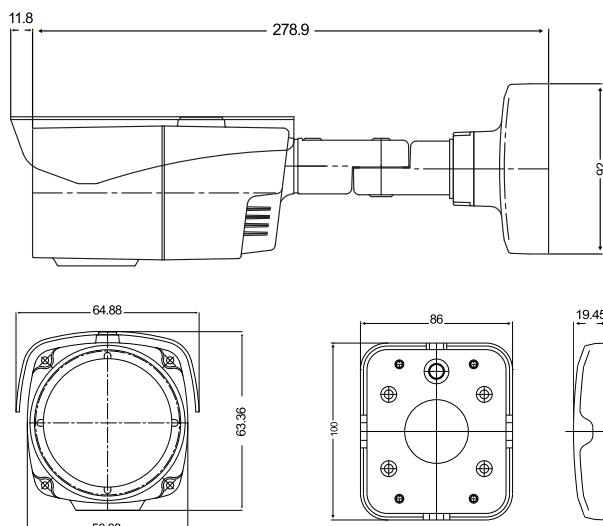


### Key Features

- SONY 1/2.8" 3.23Megapixel CMOS Sensor
- 2.8~12mm Motorized Lens
- Triple streaming simultaneously H.264 and MJPEG(Independent Frame rate and bandwidth control, VBR/CBR mode)
- 3D DNR(Digital Noise Reduction)
- WDR(Wide Dynamic Range)
- Minimum Illumination 0Lux(IR LED On) : 35m
- 40pcs IR built in with ICR mechanism
- IP66 Waterproof housing
- DC12V / IEEE802.3af PoE
- Audio In/Out(Optional)
- SD Camera Memory Slot

### Dimension

Unit : mm



### Camera Specification

|                              |                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------|
| Image Sensor                 | SONY 1/2.8" 3.23 Megapixel RGB Bayer Array CMOS Sensor                                    |
| Number of Effective Pixels   | 2048(H) x 1536(V) approx. 3.15M pixels                                                    |
| Min. Illumination            | Color Mode: 0.15 lx at 50IRE/30fps<br>B/W Mode: 0.09 lx at 50IRE/30fps                    |
| Scanning Mode                | Progressive Scan                                                                          |
| S/N Ratio                    | 51dB                                                                                      |
| Wide Dynamic Range           | Digital WDR (ATR-EX)                                                                      |
| Day and Night Mode           | Automatic, Day, Night                                                                     |
| Noise Reduction              | 2D-NR, 3D-NR                                                                              |
| Auto Exposure Mode           | Automatic (Priority: Frame rate/Low noise), Manual                                        |
| Shutter Speed Control        | Automatic: Min. 1/10,000 sec ~ Max. 1/60 sec<br>Manual: Min. 1/10,000 sec ~ Max. 1/10 sec |
| Gain Control                 | Automatic: Min. 1.2dB ~ Max. 54dB<br>Manual: Min. 1.2dB ~ Max. 54dB, Default 1.2dB        |
| Auto White Balance Mode      | ATW-Indoor/Outdoor, Shade, Clear sky, Fluorescent light, Light bulb, Flame, Manual        |
| Auto Focus                   | One Push, Manual, (Automatic)                                                             |
| Optical Zoom                 | Motorized 4.2x                                                                            |
| Optical Zoom Speed           | 1~6 Steps                                                                                 |
| Digital Zoom                 | 16x                                                                                       |
| OSD                          | On/Off                                                                                    |
| Back Light Compensation      | On/Off                                                                                    |
| High Light Compensation      | On/Off                                                                                    |
| Image Effect                 | Mirror, Flip                                                                              |
| Privacy Mask                 | Max.8 Area Selection                                                                      |
| Tamper                       | On/Off                                                                                    |
| Video Motion Detection       | Max.4 Area Selection                                                                      |
| Corridor Format              | 90°/270°                                                                                  |
| Defog                        | On/Off                                                                                    |
| Lens Distortion Compensation | On/Off                                                                                    |

### Network Specification

|                        |                                                                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression      | H.264(High, Main, Base line profile), MJPEG                                                                                                        |
| Video Resolution       | 2048x1536(QXGA), 1920x1080(Full-HD), 1280x1024(SXGA), 1280x720(HD), 704x480(4CIF/NT), 704x576(4CIF/PAL), 640x480(VGA), 352x288(CIF), 320x240(QVGA) |
| Video Frame Rate       | Up to 30fps@2048x1536p                                                                                                                             |
| Video Streaming        | Simultaneously H.264 and MJPEG (Triple Streaming)<br>Independent Frame Rate and Bandwidth Control, VBR/CBR Mode                                    |
| Audio Streaming        | Two way(G.711)                                                                                                                                     |
| FTP Uploading          | MJPEG Still Image                                                                                                                                  |
| Event In               | Onboot/Trigger/Network Loss/Tampering/Motion                                                                                                       |
| Event Out Notification | E-mail, FTP                                                                                                                                        |
| Login Authority        | Administrator, Operator, Guest                                                                                                                     |
| Event Buffering        | FTP : Pre/Post Event Time: 0~30sec, FPS: 1~2 fps                                                                                                   |
| Manual Trigger         | Still Image Capture                                                                                                                                |
| Security               | Multi User Authority, IP Filtering, HTTPS                                                                                                          |
| Network Time Sync      | Synchronize Computer/NTP Server, Manual                                                                                                            |
| Software Reset         | Restart, Reset, Factory Default                                                                                                                    |
| Auto Recovery          | Backup, Restore                                                                                                                                    |
| Remote Upgrade         | Using Web Browser                                                                                                                                  |
| Protocols              | TCP/IP, UDP, IPV4/V6, HTTP, HTTPS, FTP, UpnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf                                                                 |
| Client Software        | Built-In Web, ONVIF Compatible 3rd Party VMS                                                                                                       |
| Max. User Connection   | 10 Users                                                                                                                                           |
| SDK Support            | API, ONVIF Profile S Compliant                                                                                                                     |

### Others

|                       |                                  |
|-----------------------|----------------------------------|
| Ethernet Tx/Rx        | RJ-45(10/100Base-T)              |
| IR_LED Control        | IR_LED Control On/Off            |
| Day & Night Control   | IR_Cut_Filter Exchange           |
| Iris Control          | DC-Iris                          |
| Alarm Control         | Alarm-In 1/Alarm-Out 1(Optional) |
| SD Card               | SDHC/SDXC: 2 ~ 64GB(Optional)    |
| Audio                 | Line-In/Line-Out                 |
| Zoom Control          | Max. 4.2x                        |
| Focus Control         | One-Push, Automatic              |
| Operating Humidity    | 0~90% (non-condensing)           |
| Operating Temperature | -20℃ ~ +50℃                      |
| Power Supply          | DC12V / IEEE802.3af PoE          |
| Power Consumption     |                                  |
| Weight                | Approx. 1.2kg                    |