

| CAMERA                       |                                                                                                      |
|------------------------------|------------------------------------------------------------------------------------------------------|
| Image Sensor                 | 1/2.8” Sony CMOS Sensor, IMX307                                                                      |
| Total Pixels                 | 1945 (H) x 1109 (V) = 2.16 MP                                                                        |
| Active Pixels                | 1920 (H) x 1080 (V) = 2.07 MP                                                                        |
| Scanning Mode                | Progressive Scan                                                                                     |
| Minimum Illumination         | Color: 0.1 Lux   B&W: 0.01 Lux                                                                       |
| S/N Ratio                    | More than 50dB (AGC off)                                                                             |
| LENS & IR LED                |                                                                                                      |
| Lens Type                    | Manual Varifocal Lens                                                                                |
| Focal Length                 | 2.8–12mm                                                                                             |
| Aperture Ratio               | F1.4                                                                                                 |
| IR LED                       | -                                                                                                    |
| CAMERA FUNCTIONS             |                                                                                                      |
| Wide Dynamic Range           | DOL HDR (Digital Over Lab High Dynamic Range)                                                        |
| Day and Night Mode           | Automatic, Day, Night                                                                                |
| Noise Reduction              | 3D-NR                                                                                                |
| Auto Exposure Mode           | Automatic, Manual                                                                                    |
| Shutter Speed Control        | 1/30,000 – 1/30 sec (Automatic / Manual)                                                             |
| Gain Control                 | 0dB – 69dB (Automatic / Manual)                                                                      |
| Auto White Balance           | Auto, Outdoor, Shade, Clear sky, Fluorescent light, Light Bulb, Manual                               |
| Digital Zoom                 | Up to 8x                                                                                             |
| OSD                          | On / Off                                                                                             |
| BLC                          | On / Off                                                                                             |
| HLC                          | On / Off                                                                                             |
| Image Effect                 | Mirror, Flip                                                                                         |
| Privacy Mask                 | Up to 8 Areas Selection                                                                              |
| Tamper                       | On / Off                                                                                             |
| Video Motion Detection       | Up to 4 Areas Selection                                                                              |
| Lens Distortion Compensation | On / Off                                                                                             |
| NETWORK                      |                                                                                                      |
| Video Compression            | H.264 / H.265 / MJPEG                                                                                |
| Video Resolution             | 1920 x 1080, 1280 x 960, 1280 x 720, 640 x 480, 640 x 360, 320 x 240                                 |
| Video Frame Rate             | 1920 x 1080 @ up to 30 fps                                                                           |
| Video Streaming              | Simultaneously H.265, H.264, MJPEG   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       | Email, FTP                                                                                           |
| Login Authority              | Administrator, Operator, Guest                                                                       |
| Event Buffering              | FTP: Pre / Post Event Time: 0 – 30 sec, 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, IPv6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, TRCP, DHCP, ARP, Zeroconf, Bonjour, SNMP |
| Client Software              | Built in Web, ONVIF Compatible 3rd Party VMS                                                         |
| Max User Connection          | 10 Users                                                                                             |
| Ethernet Tx / Rx             | RJ-45 (10/100 Base-T)                                                                                |
| GENERAL                      |                                                                                                      |
| Power Source                 | DC 12V (+/-) 10%, PoE IEEE802.3af, Class3                                                            |
| Power Consumption            | 210mA                                                                                                |
| Operating Temperature        | -10°C – +50°C / 0% – 90% RH                                                                          |
| Dimension                    | 37mm (H) x 37mm (W)                                                                                  |