

## NEOS PRO-IBS18L60SDA

8MP IR Bullet Camera with 6mm Lens with Audio

### Main Feature:

- Sony Starvis Sensor
- Adaptive Streaming
- H.265 compression
- True WDR
- IVA
- NAS
- Higher Field of View
- Smart Streaming



### Technical Specifications:

| IMAGE SENSOR               |                                                                                                            |
|----------------------------|------------------------------------------------------------------------------------------------------------|
| Resolution                 | 8 MP (3840 x 2160)                                                                                         |
| Sensor Type and Size       | 1/2.8" SONY – CMOS 8MP Active Pixel<br>Progressive Scan, Back Illuminated Image sensor<br>(STARVIS Series) |
| LENS                       |                                                                                                            |
| Minimum Illumination       | Color - 0.01 Lux @F1.2 (AGC ON) Monochrome - 0 Lux                                                         |
| Focal Length               | 6mm                                                                                                        |
| Focus Range                | 0.3m to infinity                                                                                           |
| Field of View (FOV)        | HFOV – 51.26°<br>VFOV – 28.84°<br>DFOV – 58.74°                                                            |
| Lens Mount                 | M12                                                                                                        |
| Focus                      | Fixed focus                                                                                                |
| Aperture (F#)              | F 1.6/ F2.0                                                                                                |
| Iris Type                  | Fixed                                                                                                      |
| IR Range                   | Up to 30m                                                                                                  |
| IR Led Wavelength          | 850nm                                                                                                      |
| IR Switching               | Auto/ Manual                                                                                               |
| DORI AS PER IEC 62676 - IV | D: 174m, O: 69 m, R: 35 m, I: 17 m                                                                         |

## AUDIO INTERFACE

|                   |                                    |
|-------------------|------------------------------------|
| Audio IN          | 1x(3.5mm stereo female audio jack) |
| Audio OUT         | 1x(3.5mm stereo female audio jack) |
| Two-way Audio     | Supported *                        |
| Audio Compression | G.726 and G.711μ                   |
|                   |                                    |
|                   |                                    |

## HARDWARE SPECIFICATIONS

|                         |                                                          |
|-------------------------|----------------------------------------------------------|
| SD Card                 | Up to 512GB                                              |
| Camera Adjustment Angle | Pan: 0° to 360°<br>Tilt: 0° to 90°<br>Rotate: 0° to 360° |

## IMAGE AND VIDEO

|                       |                                                                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No of Stream Profiles | 4                                                                                                                                                                   |
| Stream Profiles       | Profile 1: 4K @30fps (H.265/ H.264)<br>Profile 2: D1 @30fps (H.265/H.264)<br>Profile 3: 3MP @10fps (H.265/H.264/MJPEG)<br>Profile 4: 2MP @15fps (H.265/H.264/MJPEG) |
| Available Resolutions | 3840 x 2160, 3200 x 1800, 2592 x 1944, 2592 x 1520, 2048 x 1536, 1920 x 1080, 720p, D1, VGA, 2CIF, CIF                                                              |
| Max Resolution        | 3840 x 2160                                                                                                                                                         |
| Bitrate               | 128 kbps-16Mbps                                                                                                                                                     |
| Bitrate Type          | CBR, VBR                                                                                                                                                            |
| Video Compression     | H.265, H.264, MJPEG                                                                                                                                                 |
| Frame Rate            | 1-30fps                                                                                                                                                             |
| Shutter Speed         | 1/15s -1/1000000s                                                                                                                                                   |
| Adaptive Streaming    | Yes                                                                                                                                                                 |
| ONVIF Profiles        | S, G, and T                                                                                                                                                         |
| Edge Recording        | Yes                                                                                                                                                                 |
| Alarm Recording       | Pre and Post                                                                                                                                                        |
| Motion Recording      | Yes                                                                                                                                                                 |
| Video Parameters      | Snapshot, Region of Interest (ROI), BLC, Day/Night Settings<br>Dynamic FPS                                                                                          |

|                            |                                                                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Privacy Masks              | 8                                                                                                                                                                                                       |
| WDR                        | True WDR (120dB)                                                                                                                                                                                        |
| SNR                        | > 70dB                                                                                                                                                                                                  |
| Image Enhancement          | Rotation/ Saturation/ Brightness/ Contrast/ Hue/ Sharpness/ White Balance                                                                                                                               |
| DNR                        | 3D                                                                                                                                                                                                      |
| Digital Zoom               | 16x                                                                                                                                                                                                     |
| Video Analytics            | Motion/No Motion Detection, Tamper Detection, Trip/No Trip Detection, Object Intrusion/Zone Intrusion, Audio Exception                                                                                  |
| <b>ALERTS</b>              |                                                                                                                                                                                                         |
| IP Conflict                | Yes                                                                                                                                                                                                     |
| Network Disconnect         | Yes                                                                                                                                                                                                     |
| Storage Full               | Yes                                                                                                                                                                                                     |
| Time Triggered             | Yes                                                                                                                                                                                                     |
| <b>EVENTS AND ACTIONS</b>  |                                                                                                                                                                                                         |
| Upload Image               | SD, NAS, SFTP                                                                                                                                                                                           |
| Upload Clip                | SD, NAS, SFTP                                                                                                                                                                                           |
| Notifications              | E-mail, SMS, TCP                                                                                                                                                                                        |
| <b>PROTOCOLS SUPPORTED</b> |                                                                                                                                                                                                         |
| Supported protocols        | TCP/IP, UDP, HTTP, HTTPS, DHCP, DNS, DynDNS, DDNS, RTP, RTCP, RTSP, PPPOE, SMTP, NTP, SNMP, FTP, TLS/SSL, SFTP, ICMP, IGMPv2 & v3, ARP, 802.1x, IPv4, IPv6, QoS Layer 3, DSCP, CIFS, SSH, UPnP, Bonjour |
| Web Viewer                 | Supported in IE 8.0-11.0, Firefox 15.0-47.0, Chrome 20.0-54.0                                                                                                                                           |
| Browser                    | IE, Chrome, Mozilla                                                                                                                                                                                     |
| <b>CYBER SECURITY</b>      |                                                                                                                                                                                                         |
| Secure boot                | Yes                                                                                                                                                                                                     |
| Signed firmware            | Yes                                                                                                                                                                                                     |
| Data Encryption            | All data, including sensitive data, is encrypted with AES 256 and RSA 2048                                                                                                                              |
| IP Address Filtering       | Yes                                                                                                                                                                                                     |
| HTTPs Streaming            | Yes, using TLS 1.2                                                                                                                                                                                      |

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Edge Data Encryption              | Yes                                 |
| Network Authentication            | Yes, 802.1x Network authentication  |
| Secure Firmware Upgrade           | Yes                                 |
| Anti-roll back firmware           | Yes                                 |
| Web login Password protection     | Yes                                 |
| Unused debug interface protection | Yes                                 |
| <b>OPERATING PARAMETERS</b>       |                                     |
| Power Supply                      | 12V (DC); 802.3af (PoE)             |
| Power Consumption                 | Maximum 8W                          |
| Operating Humidity                | Less than 95% RH (non-condensing)   |
| Operating Temperature             | -30°C to 60°C                       |
| Storage Temperature               | -30°C to 60°C                       |
| <b>PHYSICAL PARAMETERS</b>        |                                     |
| Communication interface           | 10Base-T/100BaseTX Ethernet (RJ-45) |
| Weight                            | 500gms                              |
| Color                             | Infinity White                      |
| Dimensions                        | 155 x 75 (Length x Width)           |
| Storage                           | NAS, SD Card                        |
| Certifications                    | BIS                                 |

## Contact Us

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