

# IPD6222ES2 1080P Fixed Vandal Resistant Dome IP Camera

[www.meritlilin.com](http://www.meritlilin.com)

- ▶ Full HD 2 megapixel CMOS image sensor
- ▶ True H.264 AVC/MPEG-4 part 10 real-time video compression
- ▶ H.264 and Motion JPEG multi-profile video streaming
- ▶ 3D noise reduction (MCTF)
- ▶ 2D WDR function
- ▶ Digital PTZ supported
- ▶ Face / Tampering / Audio / Motion detection alarm function
- ▶ Built-in highly sensitive microphone
- ▶ One-way audio supported
- ▶ ONVIF Profile S supported
- ▶ Impact Resistant Polycarbonate Dome Cover
- ▶ Meets EN50155:2007 criteria for rolling stock applications
- ▶ IP67 rain and dust resistant

**Dimensions**  
Ø115 × 40 mm

**Diagram of mounting holes:(unit in mm)**

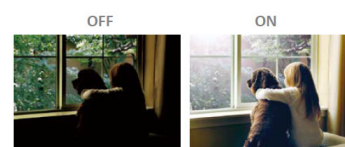
## Wind and Rain Standards

Meet international IP67 standards for dust and moisture resistant allowing you to install cameras in environments subject to wind and rain



## Back Light Compensation

Back Light Compensation (BLC) adjusts the exposure of the entire image to properly expose the subject in the foreground. No matter if the main object is moving toward left, right, upper, lower, or any location in the screen, BLC provides perfect exposure for an object in front of strong back light



## Sense Up+

Deliver outstanding video outputs in poor light conditions without experiencing motion blur. You can see video clearly even during nighttime without sufficient lighting support



## 3D Noise Reduction

Remove noise from a signal. Suppressing noise in an image in low light conditions and able to retain quality videos at the same time



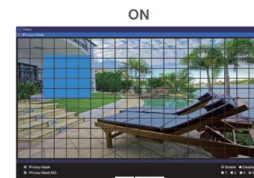
## Wide Dynamic Range (WDR)

Wide Dynamic Range (WDR) displays details of both the brightest and darkest areas. WDR can extend image visibility under high contrast lighting scenes and improve image quality



## Privacy Masking

Privacy Masking is a feature used to protect personal privacy by concealing private areas in the camera's field of view. Doorways and house windows for example are not subject to surveillance



## Video Security App

Available on Android and iOS – LILIN Pro app provides security alarm push notification, real-time live viewing, and remote video playback



## SD Cards in Sync with NAV Software

IPD6222ES2 camera with built-in Micro SD/SDHC/SDXC card slots can provide redundant video viewing and recording. You can synchronize an SD card with LILIN VMS (Video Management Software) – Navigator (NAV)



## Audio Detection

With Audio Detection technology, an alarm is triggered based on ambient sound conditions as the threshold



## Motion Detection

Detect motion and capture the event. Motion in the selected area will provoke an alert.



| 1080P Fixed Vandal Resistant Dome IP Camera |                                                                                             |
|---------------------------------------------|---------------------------------------------------------------------------------------------|
|                                             |                                                                                             |
| Video Performance                           |                                                                                             |
| Model                                       | IPD6222ES2                                                                                  |
| Min. Illumination                           | 0.4 Lux at F1.8                                                                             |
|                                             |                                                                                             |
| Power and Environment                       |                                                                                             |
| Starting Temperature                        | -10°C – +50°C (14°F – 122°F)                                                                |
| Operating Temperature                       | -40°C – +50°C (-40°F – 122°F)                                                               |
| Storage Temperature                         | -25°C – +60°C (-13°F – 140°F)                                                               |
| Humidity                                    | 0% – 90% RH                                                                                 |
| Power Supply                                | DC12V ±10% / PoE (IEEE 802.3af compliant)                                                   |
| Power Consumption                           | DC12V, 4.5W / PoE, 5W                                                                       |
|                                             |                                                                                             |
| Lens / Night Vision (Infrared LED)          |                                                                                             |
| Focal Length                                | 2.8mm                                                                                       |
| Iris                                        | F1.8                                                                                        |
| Iris Control                                | Fixed IRIS                                                                                  |
| Angle of View                               | 105° (H) 87° (V) 135° (D)                                                                   |
|                                             |                                                                                             |
| Sensor                                      |                                                                                             |
| Pick Up Element                             | 1/2.7" CMOS image sensor                                                                    |
| Effective Pixels                            | 1920 (H) × 1080 (V) = 2,073,600 (Pixels)                                                    |
| Chip Size                                   | 7.60mm (H) x 5.80mm (V)                                                                     |
|                                             |                                                                                             |
| Certifications                              |                                                                                             |
| CE                                          | Yes, EMI CLASS A                                                                            |
| FCC                                         | Yes, EMI CLASS A                                                                            |
| IP Rating                                   | IP67                                                                                        |
|                                             |                                                                                             |
| PC Requirements                             |                                                                                             |
| CPU                                         | Intel® Core™ i3 or higher grade                                                             |
| OS                                          | Windows 7 or above                                                                          |
| RAM                                         | 1GB or above, Dedicated Graphics Card                                                       |
| Web Browser                                 | Microsoft® Internet Explorer® 9 or above                                                    |
|                                             |                                                                                             |
| Mechanical                                  |                                                                                             |
| Dimension                                   | Ø115 × 40 mm                                                                                |
| Weight                                      | 310g                                                                                        |
|                                             |                                                                                             |
| Input / Output                              |                                                                                             |
| Audio                                       | One-way Audio, G.711 u-law / PCM, Built-in Microphone                                       |
|                                             |                                                                                             |
| Video Streaming                             |                                                                                             |
| Video Compression                           | H.264, Motion JPEG                                                                          |
| Video Streaming                             | RTP/HTTP, RTP/TCP, RTP/UDP, Multicast                                                       |
| Number of Streams                           | 4                                                                                           |
| Video Bitrate                               | 128Kbps – 8Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported |

| Network Security           |                                                                                                                                                    |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Encryption                 | Base64 HTTP encryption                                                                                                                             |
| Access                     | Multiple user access levels with password protection                                                                                               |
| User accounts              | 10 user accounts available                                                                                                                         |
|                            |                                                                                                                                                    |
| Video Resolutions (H x V)  |                                                                                                                                                    |
| Resolution                 | 2MP(1920 × 1080), 1MP(1280 × 720), D1(720 × 480, 720 × 576), CIF(352 × 240)                                                                        |
| Maximum Frame Rate         | H.264 : up to 30 fps @ 1920 × 1080 ; MJPEG : up to 15 fps @ 1920 × 1080                                                                            |
|                            |                                                                                                                                                    |
| Video Functions            |                                                                                                                                                    |
| Scanning System            | Progressive Scan                                                                                                                                   |
| White Balance              | Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2                                                                     |
| Back Light Compensation    | Off / On                                                                                                                                           |
| Electrical Shutter         | 1/30(1/25)s – 1/8000s                                                                                                                              |
| Sense Up                   | Off / 1 Frame / 2 Frames / 3 Frames / 7 Frames                                                                                                     |
| Sense Up+                  | Yes                                                                                                                                                |
| Auto Gain Control          | 36 dB Variable Gain                                                                                                                                |
| 3D Noise Reduction         | Off / 1 – 32 Selectable                                                                                                                            |
| 2D WDR                     | Off / Auto / x2 / x3 / x4                                                                                                                          |
| Privacy Masking            | Off / On (4 zones)                                                                                                                                 |
| Image Effects              | Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip                                                                                     |
|                            |                                                                                                                                                    |
| Integration                |                                                                                                                                                    |
| Mobile Application         | Integrated to LILIN mobile app (LILIN Pro) iPhone, iPad, Android support                                                                           |
| Video Management           | ONVIF Profile S, LILIN Navigator Enterprise 5.0, Third party VMS through LILIN HTTP API                                                            |
| SD Card Recording          | Support Micro SD/SDHC card for circular recording (card is not included)                                                                           |
| IVS Basic 1.0              | Face Detection, Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting     |
| Event Triggers             | Motion / Tamper / Audio / Face detection / Network lost detection                                                                                  |
| Event actions              | FTP / SMTP / HTTP post / SD card / SAMBA / SNMP Trap / Push Service notification                                                                   |
|                            |                                                                                                                                                    |
| Network                    |                                                                                                                                                    |
| Ethernet                   | 10/100 Mbps Base-T (Tx), RJ-45                                                                                                                     |
| ePTZ & Digital Zoom        | Yes, ROI (Region of Interest)                                                                                                                      |
| Network Protocols          | IPv4, IPv6, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, Bonjour |
| Max number of online users | 8 simultaneous users                                                                                                                               |
|                            |                                                                                                                                                    |
| Warranty                   |                                                                                                                                                    |
| Warranty                   | 3 Year(s)                                                                                                                                          |