



# ZD9221

## High Resolution 1000TVL Bullet Camera



ZD9221

### Key Features

- 1000TVL
- WDR (Wide Dynamic Range)
- Preset
- DNR (Digital Noise Reduction)
- Smart IR
- Sens-Up
- Defog
- CVBS (Composite Video Blanking and Sync)
- Motion Tracking

### Accessories

- **INTUS/JB** - Junction Box for INTUS Cameras (Except ZB2812IR). Compatible with W96BVIR, IR3040, IR5070 & IR80100
- **INTUS/MJB** - Mounting Junction Box for INTUS Cameras (Except ZB2812IR). Compatible with W96BVIR, IR3040, IR5070 & IR80100
- **INTUS/PM** - Pole Mount Bracket for INTUS Cameras (Except ZB2812IR). Compatible with W96BVIR, IR3040, IR5070 & IR80100
- **FILTERKIT4** - Filter Set Up Kit
- **GMPC12** - DC12V & AC24V Power Connector Jack (Male) to Terminal Block
- **GFPC12** - DC12V & AC24V Power Connector Jack (Female) to Terminal Block
- **PSU2SM** - In-Line DC12V 2A Output, Regulated Switch Mode PSU, with Fixing Mount
- **PSU35SM** - In-Line DC12V 3.5A Output, Regulated Switch Mode PSU, with Fixing Mount
- **PSU24/2** - In-Line AC24V 2A Output, Switch Mode PSU with Fixing Mount

**DATASHEET**

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## Technical Specification

|                                 |  |
|---------------------------------|--|
| Model Number                    | ZD9221   |
| Image Sensor                    | 1/3" 1.3 Mega Sony Exmor Sensor (Imx138)         |
| Resolution                      | 1000TVL  |
| Effective Pixels                | 1305 (H) x 1049 (V), 1.37M Pixels                |
| Total Pixels                    | 1312 (H) x 1069 (V), 1.40M Pixels                |
| Scanning System                 | Progressive Scan                                 |
| S/N Ratio                       | More than 50dB                                   |
| Frame Rate                      | Max. 50P/60P                                     |
| Video Output                    | CVBS: 1.0Vp-p/75 Ω                               |
| Minimum Illumination            | 0 Lux (IR LED ON)                                |
| Lens                            | DC / MANUAL                                      |
| Electronic Shutter Speed        | AUTO / MANUAL (1/60 Sec ~ 1/60000 Sec) / FLICKER |
| OSD                             | Built-In   |
| BLC                             | 0  |
| HSBLC                           | 0  |
| WDR (Wide Dynamic Range)        | ON (LOW / MIDDLE / HIGH) / OFF                   |
| Digital WDR                     | ON (LOW / MIDDLE / HIGH) / OFF                   |
| Day & Night                     | COLOUR / B&W / AUTO / EXT                        |
| White Balance                   | AUTO / AUTO EXT / AWC->SET / MANUAL              |
| Smart-IR                        | 0~20 (Level Adjustable), Default: 0              |
| Sens-Up                         | x2 ~ x32, Default: x8                            |
| Motion Detection                | ON / OFF (Programmable 4 Zones)                  |
| Motion Tracking (Quick Zoom)    | ON / OFF   |
| OSD Output for Anti Shifting    | ON / OFF   |
| OSD Output for Anti Blocking    | ON / OFF   |
| 3D DNR                          | OFF / LOW / MIDDLE / HIGH                        |
| Defog                           | ON (AUTO / MANUAL) / OFF                         |
| Brightness                      | 0~20 (Level Adjustable), Default: 10             |
| AGC                             | 0~20 (Level Adjustable), Default: 20             |
| Privacy Masking                 | ON / OFF (Programmable 16 Zones)                 |
| Mirror / V-FLIP                 | ON / OFF   |
| Sharpness                       | 0~15 (Level Adjustable), Default: 7              |
| Lens Shading Compensation (LSC) | ON / OFF   |
| RS-485 (Protocol)               | Available  |
| View Angle                      | WIDE 4:3 / Normal / WIDE 16:9                    |
| CVBS Output                     | NTSC / PAL Selectable                            |
| Communication                   | Coaxial Control                                  |
| Power Consumption               | IR LED ON: 2A Max                                |
| Power Supply                    | Dual Voltage                                     |
| Lens                            | DC Auto Iris Varifocal Lens (9-22 mm)            |
| Dimensions (W x H x D)          | 195 x 155 x 260 mm                               |
| Weight                          | 2300g  |

Features and specifications are subject to change for further improvement without any notice

## Dimensions (mm)

