

## TECHNICAL DATA SHEET

# ZB545 IIR

Super High Resolution True Day/Night IR Bullet Zoom Camera



### KEY FEATURES

- 1/4" Sony Super HAD CCD
- High Resolution (500 TVL)
- 10x Optical Zoom
- Mechanical IR Cut-Filter
- Digital Noise Reduction (DNR)
- Save Up To 70% HDD Storage Using MPEG Format with DNR
- O.S.D. Menu
- 30x IR LEDs with Photo Sensor
- Privacy Zone Masking
- Mirror Function
- Motion Detection
- Sens-Up – Maintains Luminance Levels in Low Light x128
- Weatherproof (IP66)
- Fully Cable Managed Bracket
- Sunshield
- Illuminates Up To 20 Metres\*
- IP66 Rated
- Built-In RS485
- Dual Voltage

### ORDERING INFORMATION

|           |                                                         |
|-----------|---------------------------------------------------------|
| ZB545 IIR | Day/Night IR Bullet Zoom Camera with 3.8-38mm Zoom Lens |
| ZRC       | External Remote Control                                 |
| GSB-JB    | Junction Box (Optional)                                 |



GSB-JB

\* The Infra-red range assumes ideal conditions

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### TECHNICAL SPECIFICATION

|                          |                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------|
| Model Number             | ZB5451IR                                                                               |
| Image Sensor             | Sony 1/4" Colour Super HAD CCD                                                         |
| Horizontal Resolution    | 500 TVL (Col), 570 TVL (Mono)                                                          |
| Lens                     | 10x Optical (3.8-38mm Zoom Lens) @ F1.8                                                |
| No. Of LEDs              | 30 IR LEDs                                                                             |
| Sensitivity (F1.8)       | 0.7 Lux (Day) 0 Lux with IR LEDs On (Night)                                            |
| Angle Of View            | H: 51.2° (Wide) to 5.58° (Tele)<br>V: 39.3° (Wide) to 4.27° (Tele)                     |
| Scanning System          | 2:1 Interlace                                                                          |
| Effective Pixels (H x V) | 752 x 582 (440K Pixels)                                                                |
| Video Format             | PAL                                                                                    |
| Synchronisation          | Internal / LL Selectable                                                               |
| Frequency                | Horizontal: 15.625 KHz, Vertical: 50.00Hz                                              |
| Shutter Speed            | ESC (x128~1/50~1/1.20000)<br>Manual (x128~1/50~1/20000 Sec)<br>Flickerless (1/120 Sec) |
| Video Output             | 1.0Vp-p / 75Ω                                                                          |
| Day / Night              | ON / AUTO Selectable                                                                   |
| Gain Control             | OFF / LOW / MIDDLE / HIGH                                                              |
| Back Light Compensation  | OFF / LOW / MIDDLE / HIGH                                                              |
| White Balance            | ATW / AWC / MANUAL / (1,800°K~10500°K)                                                 |
| S/N Ratio                | >50dB (AGC Off)                                                                        |
| Sens-Up                  | OFF / AUTO, x128                                                                       |
| Camera Title             | Selectable On/Off – Maximum Of 15 Characters                                           |
| O.S.D.                   | Yes, Built-In                                                                          |
| Motion Detection         | ON / OFF (4 Programmable Zones)                                                        |
| DNR                      | OFF / LOW / MIDDLE / HIGH, Selectable                                                  |
| Mirror                   | Built-In (Horizontal Image Inversion)                                                  |
| Privacy Function         | ON / OFF (4 Programmable Zones)                                                        |
| IR Spectrum              | 850nm                                                                                  |
| Illumination Distance    | Approximately 20 Meters                                                                |
| IP Rating                | IP66                                                                                   |
| Communication            | RS485, Protocol: Pelco-D                                                               |
| Power Consumption        | 460mA, 800mA (With IR LEDs On)                                                         |
| Power Supply             | DC 12V / AC 24V                                                                        |
| Operating Conditions     | Temperature: -10° C ~ +50° C, Humidity: 30% ~ 90% RH                                   |
| Dimensions (W x H x D)   | 90.3 x 126.5 x 221.6 mm                                                                |
| Weight                   | 900g                                                                                   |

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

\*Illumination distance quoted above is based on optimal conditions