

## KX-Y2021S5

### 2MP HDCVI IR Bullet Camera

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- Max 30fps@1080P
- HD and SD output switchable
- 3.6mm fixed lens (2.8mm, 6mm optional)
- Max. IR length 30m, Smart IR
- IP67, DC12V



| Camera                      |  |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
|-----------------------------|--|-------------------|------------------|-----------------|-----------------|----------|--------|-------------------|------------------|-----------------|-----------------|--------|-------------------|------------------|-----------------|---------------|------|-------------------|-------------------|------------------|-----------------|
| Image Sensor                | 1/2.7 inch CMOS  |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Effective Pixels            | 1920(H)×1080(V), 2MP Sony Sensor   |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Scanning System             | Progressive  |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Electronic Shutter Speed    | PAL: 1/25s–1/100000s<br>NTSC: 1/30s–1/100000s  |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| S/N Ratio                   | >65dB  |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Minimum Illumination        | 0.02Lux/F1.9, 30IRE, 0Lux IR on  |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Fill Light Working Distance | 30 m (98.4 ft)   |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| IR On/Off Control           | Auto; manual   |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| IR LED Number               | 1  |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Pan/Tilt/Rotation Range     | Pan: 0°–360°<br>Tilt: 0°–90°<br>Rotation: 0°–360°  |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Lens                        |  |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Lens Type                   | Fixed-focal  |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Mount Type                  | M12  |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Focal Length                | 2.8 mm; 3.6 mm; 6 mm   |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Max. Aperture               | F1.9   |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Field of View               | 2.8 mm: 119° x 101° x 54° (diagonal x horizontal x vertical)<br>3.6 mm: 100° x 84° x 45° (diagonal x horizontal x vertical)<br>6 mm: 60° x 56° x 30° (diagonal x horizontal x vertical)  |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Iris Type                   | Fixed iris   |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| Close Focus Distance        | 2.8 mm: 0.5 m (1.7 ft)   |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
|                             | 3.6 mm: 0.8 m (2.6 ft)   |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
|                             | 6 mm: 2 m (6.6 ft)   |                   |                  |                 |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
| DORI Distance               | <table border="1"> <thead> <tr> <th>Lens</th> <th>Detect</th> <th>Observe</th> <th>Recognize</th> <th>Identify</th> </tr> </thead> <tbody> <tr> <td>2.8 mm</td> <td>38.6 m (126.6 ft)</td> <td>15.4 m (50.5 ft)</td> <td>7.7 m (25.3 ft)</td> <td>3.9 m (12.8 ft)</td> </tr> <tr> <td>3.6 mm</td> <td>49.7 m (163.1 ft)</td> <td>19.9 m (65.3 ft)</td> <td>9.9 m (32.5 ft)</td> <td>5 m (16.4 ft)</td> </tr> <tr> <td>6 mm</td> <td>82.8 m (271.7 ft)</td> <td>33.1 m (108.6 ft)</td> <td>16.6 m (54.5 ft)</td> <td>8.3 m (27.2 ft)</td> </tr> </tbody> </table> | Lens              | Detect           | Observe         | Recognize       | Identify | 2.8 mm | 38.6 m (126.6 ft) | 15.4 m (50.5 ft) | 7.7 m (25.3 ft) | 3.9 m (12.8 ft) | 3.6 mm | 49.7 m (163.1 ft) | 19.9 m (65.3 ft) | 9.9 m (32.5 ft) | 5 m (16.4 ft) | 6 mm | 82.8 m (271.7 ft) | 33.1 m (108.6 ft) | 16.6 m (54.5 ft) | 8.3 m (27.2 ft) |
|                             | Lens   | Detect            | Observe          | Recognize       | Identify        |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
|                             | 2.8 mm   | 38.6 m (126.6 ft) | 15.4 m (50.5 ft) | 7.7 m (25.3 ft) | 3.9 m (12.8 ft) |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |
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| 6 mm                        | 82.8 m (271.7 ft)  | 33.1 m (108.6 ft) | 16.6 m (54.5 ft) | 8.3 m (27.2 ft) |                 |          |        |                   |                  |                 |                 |        |                   |                  |                 |               |      |                   |                   |                  |                 |

| Video                 |   |
|-----------------------|---|
| Frame Rate            | CVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps;<br>AHD: 1080P@25/30fps; 720P@25/30fps;<br>TVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps;<br>CVBS: 960H |
| Resolution            | 1080P (1920×1080); 720P (1280×720); 960H (960×576/960×480)  |
| Day/Night             | Auto switch by ICR  |
| BLC                   | BLC/HLC/DWDR  |
| WDR                   | DWDR  |
| White Balance         | Auto; manual  |
| Gain Control          | Auto; manual  |
| Noise Reduction       | 2D NR   |
| Smart IR              | Yes   |
| Electronic Defog      | Yes   |
| Mirror                | Off/On  |
| Privacy Masking       | Off/On (8 area, rectangle)  |
| Port                  |   |
| Audio Output          | N/A   |
| Video Output          | Video output choices of CVI/TVI/AHD/CVBS by one BNC port  |
| Power                 |   |
| Power Supply          | 12V ±30% DC   |
| Power Consumption     | Max 3.3W (12V DC, IR on)  |
| Environment           |   |
| Operating Temperature | -40°C to +60°C (-40°F to 140°F); <95% (non-condensation)  |
| Storage Temperature   | -40°C to +60°C (-40°F to 140°F); <95% (non-condensation)  |
| Protection Grade      | IP67  |
| Structure             |   |
| Casing                | Mental throughout the whole casing  |
| Camera Dimensions     | 174.5 mm × 72.3 mm × 70.6 mm ( 6.87" × 2.85" × 2.78" )  |
| Net Weight            | 0.36 Kg (0.79 lb)   |
| Gross Weight          | 0.46 Kg (1.01 lb)   |

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### Dimensions (mm[inch])

