



**Milesight**

**Ptz ip camera of 2 megapixels  
and optical zoom lens**

**MS-C2971-X23RPE**

## VIDEO (CAMERAS)

|                   |                                                                                 |
|-------------------|---------------------------------------------------------------------------------|
| Video Resolution  | <b>2 Megapixels</b>                                                             |
| BLC               | <b>Yes</b>                                                                      |
| HLC               | <b>Yes</b>                                                                      |
| 3D-NR             | <b>Yes</b>                                                                      |
| AGC               | <b>Yes</b>                                                                      |
| AWB               | <b>Yes</b>                                                                      |
| WDR               | <b>Super WDR Pro (140 dB)</b>                                                   |
| Images per second | <b>50fps</b>                                                                    |
| Video output      | <b>RJ45</b>                                                                     |
| Day / night mode  | <b>Automatic / Manual</b>                                                       |
| Digital Zoom      | <b>16x</b>                                                                      |
| Privacy mask      | <b>Up to 8 zones</b>                                                            |
| Anti fog system   | <b>Yes</b>                                                                      |
| Type of Codex     | <b>CBR / VBR</b>                                                                |
| Bit rate          | <b>16Kbps ~ 16Mbps</b>                                                          |
| Compression       | <b>H.265+ / H.265 / H.264</b>                                                   |
| Main stream       | <b>1080P / 1.3Mpx / 720P / 704 x 576 (1 ~ 50fps)</b>                            |
| Sub stream        | <b>704 x 576 / 640 x 480 / 640 x 360 / 352 x 288 / 320 x 240 (1 ~ 50fps)</b>    |
| Sub stream 2      | <b>1080P / 720P / 704 x 576 / 640 x 480 / 640 x 360 / 320 x 240 (1 ~ 25fps)</b> |
| Watermark         | <b>Yes</b>                                                                      |
| Anti flap         | <b>Yes</b>                                                                      |

## DISTANCE DORI

|                         |               |
|-------------------------|---------------|
| Detect (Open lens)      | <b>73 m</b>   |
| Detect (Closed Lens)    | <b>1467 m</b> |
| Observe (Open lens)     | <b>29 m</b>   |
| Observe (Closed lens)   | <b>582 m</b>  |
| Recognize (Open lens)   | <b>15 m</b>   |
| Recognize (Closed lens) | <b>293 m</b>  |
| Identify (Open lens)    | <b>7 m</b>    |
| Identify (Closed lens)  | <b>149 m</b>  |

## VIDEO ANALYSIS

|                                |                                                                           |
|--------------------------------|---------------------------------------------------------------------------|
| Detection type                 | <b>Analytical with human/vehicle classification in line/area crossing</b> |
| Funciones IA                   | <b>Conteo de personas, detección facial con metadatos</b>                 |
| Crossing line                  | <b>Yes</b>                                                                |
| Intrusion                      | <b>Yes</b>                                                                |
| Face detection                 | <b>Yes</b>                                                                |
| Motion detection               | <b>Yes</b>                                                                |
| Abandoned object               | <b>Yes</b>                                                                |
| Missing object                 | <b>Yes</b>                                                                |
| Video Tamper                   | <b>Sí</b>                                                                 |
| Loitering detection            | <b>Sí</b>                                                                 |
| Classification Human / vehicle | <b>Yes</b>                                                                |
| People and objects counting    | <b>Yes</b>                                                                |

## LENS

|                           |                       |
|---------------------------|-----------------------|
| Lens Type                 | <b>Optical zoom</b>   |
| Focal distance            | <b>5 mm ~ 117 mm</b>  |
| Maximum diaphragm opening | <b>F/1.5 ~ F/3.5</b>  |
| Angle of View             | <b>60° ~ 3°</b>       |
| Minimum focus distance    | <b>100mm ~ 1500mm</b> |
| Autofocus                 | <b>Yes</b>            |
| Zoom speed                | <b>6 s</b>            |

## IMAGE

|                          |                         |
|--------------------------|-------------------------|
| Sensor                   | <b>CMOS ®</b>           |
| Sensor resolution        | <b>1920 x 1080</b>      |
| Sensor Size              | <b>1/2.8'</b>           |
| Electronic shutter speed | <b>1s to 1/100,000s</b> |
| Minimum lighting         | <b>0.005Lux</b>         |
| Ratio S / N              | <b>More than 55dB</b>   |

## AMBIENT

|                       |                       |
|-----------------------|-----------------------|
| Operating temperature | <b>-40 °C ~ 60 °C</b> |
|-----------------------|-----------------------|

## PTZ

|                              |                                                                                                 |
|------------------------------|-------------------------------------------------------------------------------------------------|
| Pan / Tilt Range             | <b>Horizontal 360° / Vertical -5 ~ 90° with autoflip</b>                                        |
| Manual speed control         | <b>Horizontal 350°/s / Vertical 360°/s</b>                                                      |
| Speed between presets        | <b>Horizontal 350°/s / Vertical 360°/s</b>                                                      |
| Memories                     | <b>300</b>                                                                                      |
| PTZ mode                     | <b>8 Tour between established points, 4 rounds</b>                                              |
| Position after power failure | <b>Return to the position before the fault</b>                                                  |
| Idle mode                    | <b>Auto Scan / Auto Home / Preset Freezing / 3D Positioning / PTZ Limits / Initial Position</b> |

## POWER CONSUMPTION

|                 |                     |
|-----------------|---------------------|
| Power mode      | <b>DC</b>           |
| Voltage         | <b>12V</b>          |
| Consumption (w) | <b>20W</b>          |
| Amperage        | <b>3000mA</b>       |
| PoE power       | <b>Yes</b>          |
| Type PoE        | <b>PoE+ 802.3at</b> |

## AUDIO(CAMERAS)

|                    |                                            |
|--------------------|--------------------------------------------|
| Audio input        | <b>1 Input</b>                             |
| Audio compression  | <b>G.711 / G.722 / G.726 / AAC</b>         |
| Sampling frequency | <b>8 kHz 16 kHz 32 kHz 44.1 kHz 48 kHz</b> |
| Bit rate           | <b>16 Kbps ~ 256 Kbps</b>                  |
| Audio output       | <b>1</b>                                   |

## NIGHT VISION

|                       |                           |
|-----------------------|---------------------------|
| Night vision distance | <b>160 m</b>              |
| Type of night vision  | <b>IR</b>                 |
| IR ON/Off             | <b>Automatic / Manual</b> |
| Starlight             | <b>Yes</b>                |

## STORAGE

|                                 |                                  |
|---------------------------------|----------------------------------|
| MicroSD-Card                    | <b>Up to 1TB</b>                 |
| Storage Systems                 | <b>NAS / Micro SD / Recorder</b> |
| Storage anomaly                 | <b>Yes</b>                       |
| ANR (Redundant Recording in SD) | <b>Yes</b>                       |

## INPUTS/OUTPUTS (CAMERAS)

|       |                           |
|-------|---------------------------|
| Alarm | <b>1 Input / 1 Output</b> |
|-------|---------------------------|

|                      |                       |
|----------------------|-----------------------|
| Degree of protection | <b>IP66</b>           |
| Anti vandal          | <b>IK10</b>           |
| Use                  | <b>Indoor-outdoor</b> |
| Maximum humidity     | <b>95%</b>            |
| Lightning protection | <b>4KV</b>            |

## NETWORK FEATURES

|                       |                                |
|-----------------------|--------------------------------|
| IP connection         | <b>1 RJ45 (10M / 100M)</b>     |
| ONVIF                 | <b>Yes, type S, G, T and M</b> |
| Management software   | <b>Milesight CMS</b>           |
| IP address filter     | <b>Yes</b>                     |
| Network disconnection | <b>Yes</b>                     |

## MATERIAL AND DIMENSIONS

|                       |                           |
|-----------------------|---------------------------|
| Dimensions            | <b>174.8 x 183 (Ø) mm</b> |
| Material              | <b>Metal</b>              |
| Net weight            | <b>2000 g</b>             |
| Weight with packaging | <b>2820 g</b>             |

## GENERAL INFORMATION

|                |                             |
|----------------|-----------------------------|
| Serie          | <b>AI PTZ Camera Series</b> |
| Technology     | <b>IP</b>                   |
| Type of camera | <b>PTZ</b>                  |

## AXES

|        |               |
|--------|---------------|
| Motion | <b>2-Axis</b> |
|--------|---------------|

## METADATA

|      |                                              |
|------|----------------------------------------------|
| Face | <b>Gender / age / glasses / beard / mask</b> |
|------|----------------------------------------------|

