



## Main

|                        |               |
|------------------------|---------------|
| Range of Product       | OsiSense XU   |
| Series name            | Vision        |
| Electronic sensor type | Vision sensor |
| Sensor name            | XUW           |
| Sensor design          | Compact       |
| Detection system       | Diffuse       |

## Complementary

|                               |                                                                                                                                      |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Focal length                  | 0.47 in (12 mm)                                                                                                                      |
| Setting-up                    | Focus adjustment by potentiometer                                                                                                    |
| [Sn] nominal sensing distance | 1.18...25.59 in (30...650 mm)                                                                                                        |
| Field of view                 | 8 x 6...250 x 170 mm                                                                                                                 |
| Pixel resolution              | 736 x 480                                                                                                                            |
| Technology type               | CMOS                                                                                                                                 |
| Light source                  | White LED 4 groups of 2 leds)                                                                                                        |
| Tool type                     | Pattern matching 40 ms)<br>Contour 60 ms)<br>Contrast 4 ms)<br>Brightness 4 ms)<br>Greyscale 4 ms)                                   |
| Number of jobs                | 2                                                                                                                                    |
| Number of tools per job       | 32                                                                                                                                   |
| Acquisition speed             | 25 frames/s                                                                                                                          |
| Number of inputs              | 2 PNP or NPN programmable                                                                                                            |
| Input function                | External trigger<br>Program selection                                                                                                |
| Number of outputs             | 4 PNP or NPN programmable                                                                                                            |
| Discrete output function      | 1 NO or 1 NC programmable                                                                                                            |
| Output function governance    | Ready<br>Valid<br>Logical functions<br>Timer                                                                                         |
| Input/output number           | 2 PNP or NPN programmable configurable                                                                                               |
| Communication Port Protocol   | EtherNet/IP                                                                                                                          |
| Electrical connection         | 1 male connector M12, 12 pins power supply and digital input/output metal)<br>1 female connector M12, 4 pins Ethernet network metal) |
| Enclosure Material            | ABS<br>Aluminum                                                                                                                      |
| Lens material                 | PMMA                                                                                                                                 |
| [Us] rated supply voltage     | 24 V DC reverse polarity protection<br>24 V DC short-circuit protection                                                              |
| Supply voltage limits         | 21...26 V DC                                                                                                                         |
| Switching capacity in mA      | 50 mA by output resistive or PLC input<br>100 mA ejector output inductive                                                            |
| Current consumption           | <= 200 mA no-load                                                                                                                    |
| Maximum delay first up        | 13 s                                                                                                                                 |

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| Depth              | 2.56 in (65 mm)                                               |
| Height             | 1.77 in (45 mm)                                               |
| Width              | 1.77 in (45 mm)                                               |
| Net Weight         | 0.35 lb(US) (0.16 kg)                                         |
| Provided equipment | Mounting clamp XUZASW001<br>1 CD (software and documentation) |

## Environment

|                                       |                                                              |
|---------------------------------------|--------------------------------------------------------------|
| Product certifications                | CE<br>cULus                                                  |
| Ambient Air Temperature for Operation | 32...122 °F (0...50 °C)                                      |
| Ambient Air Temperature for Storage   | -4...140 °F (-20...60 °C)                                    |
| Relative humidity                     | 80 % non-condensing                                          |
| Vibration resistance                  | 7 gn +/- 1.5 mm 10...55 Hz)IEC 60068-2-6                     |
| Shock resistance                      | 30 gn 11 ms IEC 60068-2-27                                   |
| IP degree of protection               | IP65 conforming to IEC 60529<br>IP67 conforming to IEC 60529 |

## Ordering and shipping details

|                       |                            |
|-----------------------|----------------------------|
| Category              | 22484 - XUW VISION SENSORS |
| Discount Schedule     | DS2                        |
| GTIN                  | 3389119082280              |
| Nbr. of units in pkg. | 1                          |
| Package weight(Lbs)   | 12.20 oz (345.9 g)         |
| Returnability         | No                         |
| Country of origin     | DE                         |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 2.24 in (5.7 cm)       |
| Package 1 width              | 6.50 in (16.5 cm)      |
| Package 1 Length             | 9.06 in (23 cm)        |
| Unit Type of Package 2       | S02                    |
| Number of Units in Package 2 | 4                      |
| Package 2 Weight             | 4.02 lb(US) (1.824 kg) |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 width              | 11.81 in (30 cm)       |
| Package 2 Length             | 15.75 in (40 cm)       |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| California proposition 65  | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                             |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                              |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information |  <a href="#">Yes</a>                                                                                                                                                                                                                                                                           |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

# Mouser Electronics

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