

# fxo993MCX-T

| <b>Specifications</b> |                                         |
|-----------------------|-----------------------------------------|
| Resolution [MP]       | 3.1 MP                                  |
| Resolution (h x v)    | 2048 x 1536 px                          |
| Frame rate (max.)     | 173.4 fps                               |
| Chroma                | SWIR                                    |
| Interface             | CXP-12 with 1 Connection<br>(micro-BNC) |
| <b>Sensor</b>         |                                         |
| Sensor                | IMX993-AABA (TEC)                       |
| Manufacturer          | Sony                                    |
| Sensor type           | Area SWIR CMOS                          |
| Shutter type          | global shutter                          |
| Sensor size (h x v)   | 7.07 x 5.3 mm                           |
| Optical diagonal      | 8.83 mm                                 |
| Sensor format         | 8.9mm (Type 1/1.8)                      |
| Pixel size (h x v)    | 3.45 x 3.45 $\mu$ m                     |
| <b>Camera</b>         |                                         |
| Exposure modes        | MANUAL;AUTO                             |
| Trigger modes         | INTERNAL;SOFTWARE;EXTERNAL              |
| Pixel format / max    | mono8, mono12 / 12 bit                  |
| Gain modes            | manual, auto                            |
| Internal memory       | 1024 MB SDRAM, 256 MB Flash             |
| <b>Feature Set</b>    |                                         |
| AOI                   | yes                                     |

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|                                 |                               |
|---------------------------------|-------------------------------|
| LUT                             | yes                           |
| Offset                          | yes                           |
| Binning                         | yes                           |
| Image flip                      | yes                           |
| Two-Point NUC                   | yes                           |
| Defect pixel correction         | yes                           |
| Sequencer                       | yes                           |
| <b>Housing</b>                  |                               |
| Lens mount                      | C-Mount                       |
| Dimensions (w x h x d)          | 50 x 50 x 76.1 mm             |
| Weight                          | 240 g                         |
| Operating temperature (housing) | -10 to 60 °C                  |
| Protection class                | IP30                          |
| <b>I/O-Interfaces</b>           |                               |
| Input up to 24V                 | 2 x                           |
| Input OPTO                      | 1 x                           |
| Output open drain               | 4 x                           |
| I/O RS-232                      | 1 x                           |
| Power supply                    | 10 to 25 V (DC)               |
| Power consumption               | 12 W (dep. on operating mode) |

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