

Imaging Modules – Overview (September 2020)

linea S

| | FoV (mm) | WD (mm) | Resolution (LP/mm) | Light | Image | Frame-rate | Interface | Sensor (Sony Pregius *) | Order-number |
|----------------------------|-----------|---------|--------------------|-------|------------|------------|-----------|-------------------------|----------------|
| 60 x 46 x 40 mm 0,16 kg | 55 x 41 | 300 | 12,5 | non | monochrome | 243 | USB 3.0 | 1.6 MP IMX273 | IL -0610002UBE |
| | 55 x 41 | 300 | 12,5 | non | color | 243 | USB 3.0 | 1.6 MP IMX273 | IL -0610002UCE |
| | 89 x 67 | 300 | 8 | non | monochrome | 243 | USB 3.0 | 1.6 MP IMX273 | IL -0610001UBE |
| | 89 x 67 | 300 | 8 | non | color | 243 | USB 3.0 | 1.6 MP IMX273 | IL -0610001UCE |
| | 95 x 71 | 500 | 7 | non | monochrome | 243 | USB 3.0 | 1.6 MP IMX273 | IL -0610003UBE |
| | 95 x 71 | 500 | 7 | non | color | 243 | USB 3.0 | 1.6 MP IMX273 | IL -0610003UCE |
| | 151 x 113 | 500 | 5 | non | monochrome | 243 | USB 3.0 | 1.6 MP IMX273 | IL -0600001UBE |
| | 151 x 113 | 500 | 5 | non | color | 243 | USB 3.0 | 1.6 MP IMX273 | IL -0600001UCE |
| | 195 x 146 | 1000 | 4 | non | monochrome | 243 | USB 3.0 | 1.6 MP IMX273 | IL -0600003UBE |
| | 195 x 146 | 1000 | 4 | non | color | 243 | USB 3.0 | 1.6 MP IMX273 | IL -0600003UCE |
| | 307 x 230 | 1000 | 2,5 | non | monochrome | 243 | USB 3.0 | 1.6 MP IMX273 | IL -0600002UBE |
| | 307 x 230 | 1000 | 2,5 | non | color | 243 | USB 3.0 | 1.6 MP IMX273 | IL -0600002UCE |

linea M

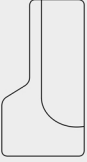
| | FoV (mm) | WD (mm) | Resolution (LP/mm) | Light | Image | Frame-rate | Interface | Sensor (Sony Pregius *) | Order-number |
|----------------------------|-------------|---------|--------------------|-------|------------|------------|-----------|-------------------------|----------------|
| 155 x 46 x 40 mm 0,4 kg | 7,1 x 5,3 | 87 | 147 | non | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IL -1451001UBE |
| | 7,1 x 5,3 | 87 | - | non | color | 55 | USB 3.0 | 3.1 MP IMX265 | IL -1451001UCE |
| | 8,5 x 7,1 | 87 | 147 | non | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IL -1452001UBE |
| | 8,5 x 7,1 | 87 | - | non | color | 36 | USB 3.0 | 5.0 MP IMX264 | IL -1452001UCE |
| | 9,5 x 7,1 | 99 | 110 | non | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IL -1431001UBE |
| | 9,5 x 7,1 | 99 | - | non | color | 55 | USB 3.0 | 3.1 MP IMX265 | IL -1431001UCE |
| | 11,3 x 9,4 | 99 | 110 | non | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IL -1432001UBE |
| | 11,3 x 9,4 | 99 | - | non | color | 36 | USB 3.0 | 5.0 MP IMX264 | IL -1432001UCE |
| | 14,2 x 10,7 | 132 | 71 | non | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IL -1531001UBE |
| | 14,2 x 10,7 | 132 | - | non | color | 55 | USB 3.0 | 3.1 MP IMX265 | IL -1531001UCE |
| | 16,9 x 14,1 | 132 | 71 | non | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IL -1532001UBE |
| | 16,9 x 14,1 | 132 | - | non | color | 36 | USB 3.0 | 5.0 MP IMX264 | IL -1532001UCE |
| | 23,7 x 17,8 | 202 | 45 | non | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IL -1621001UBE |
| | 23,7 x 17,8 | 202 | - | non | color | 55 | USB 3.0 | 3.1 MP IMX265 | IL -1621001UCE |
| | 28,2 x 23,6 | 202 | 45 | non | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IL -1622001UBE |
| | 28,2 x 23,6 | 202 | - | non | color | 36 | USB 3.0 | 5.0 MP IMX264 | IL -1622001UCE |

linea M integrated lighting

| | FoV (mm) | WD (mm) | Resolution (LP/mm) | Light (LED white) | Image | Frame-rate | Interface | Sensor (Sony Pregius *) | Order-number |
|----------------------------|-------------|---------|--------------------|-------------------|------------|------------|-----------|-------------------------|----------------|
| 155 x 46 x 40 mm 0,4 kg | 7,1 x 5,3 | 87 | 147 | ring | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IL -4451301UBE |
| | 7,1 x 5,3 | 87 | - | ring | color | 55 | USB 3.0 | 3.1 MP IMX265 | IL -4451301UCE |
| | 8,5 x 7,1 | 87 | 147 | ring | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IL -4452301UBE |
| | 8,5 x 7,1 | 87 | - | ring | color | 36 | USB 3.0 | 5.0 MP IMX264 | IL -4452301UCE |
| | 9,5 x 7,1 | 99 | 110 | ring | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IL -4431301UBE |
| | 9,5 x 7,1 | 99 | - | ring | color | 55 | USB 3.0 | 3.1 MP IMX265 | IL -4431301UCE |
| | 11,3 x 9,4 | 99 | 110 | ring | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IL -4432301UBE |
| | 11,3 x 9,4 | 99 | - | ring | color | 36 | USB 3.0 | 5.0 MP IMX264 | IL -4432301UCE |
| | 14,2 x 10,7 | 132 | 71 | ring | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IL -4531301UBE |
| | 14,2 x 10,7 | 132 | - | ring | color | 55 | USB 3.0 | 3.1 MP IMX265 | IL -4531301UCE |
| | 16,9 x 14,1 | 132 | 71 | ring | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IL -4532301UBE |
| | 16,9 x 14,1 | 132 | - | ring | color | 36 | USB 3.0 | 5.0 MP IMX264 | IL -4532301UCE |
| | 23,7 x 17,8 | 202 | 45 | ring | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IL -4621301UBE |
| | 23,7 x 17,8 | 202 | - | ring | color | 55 | USB 3.0 | 3.1 MP IMX265 | IL -4621301UCE |
| | 28,2 x 23,6 | 202 | 45 | ring | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IL -4622301UBE |
| | 28,2 x 23,6 | 202 | - | ring | color | 36 | USB 3.0 | 5.0 MP IMX264 | IL -4622301UCE |


* Sony IMX273: 1/3" with 3.45 µm pixel size / aspect ratio 4:3 (1448 x 1086 px) / full resolution at 243 fps
 Sony IMX265: 1/1.8" with 3.45 µm pixel size / aspect ratio 4:3 (2056 x 1542 px) / full resolution with up to 57 fps
 Sony IMX264: 2/3" with 3.45 µm pixel size / aspect ratio 4:3 (2464 x 2056 px) / full resolution with up to 36 fps

compact M

| | FoV (mm) | WD (mm) | Resolution (LP/mm) | Light | Image | Frame-rate | Interface | Sensor (Sony Pregius *) | Order-number |
|---|-------------|---------|--------------------|-------|------------|------------|-----------|-------------------------|----------------|
|  | 7,1 x 5,3 | 87 | 147 | non | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IC -1451001UBE |
| | 7,1 x 5,3 | 87 | - | non | color | 55 | USB 3.0 | 3.1 MP IMX265 | IC -1451001UCE |
| | 8,5 x 7,1 | 87 | 147 | non | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IC -1452001UBE |
| | 8,5 x 7,1 | 87 | - | non | color | 36 | USB 3.0 | 5.0 MP IMX264 | IC -1452001UCE |
| | 9,5 x 7,1 | 99 | 110 | non | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IC -1431001UBE |
| | 9,5 x 7,1 | 99 | - | non | color | 55 | USB 3.0 | 3.1 MP IMX265 | IC -1431001UCE |
| | 11,3 x 9,4 | 99 | 110 | non | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IC -1432001UBE |
| | 11,3 x 9,4 | 99 | - | non | color | 36 | USB 3.0 | 5.0 MP IMX264 | IC -1432001UCE |
| | 14,2 x 10,7 | 132 | 71 | non | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IC -1531001UBE |
| | 14,2 x 10,7 | 132 | - | non | color | 55 | USB 3.0 | 3.1 MP IMX265 | IC -1531001UCE |
| | 16,9 x 14,1 | 132 | 71 | non | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IC -1532001UBE |
| | 16,9 x 14,1 | 132 | - | non | color | 36 | USB 3.0 | 5.0 MP IMX264 | IC -1532001UCE |
| | 23,7 x 17,8 | 202 | 45 | non | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IC -1621001UBE |
| | 23,7 x 17,8 | 202 | - | non | color | 55 | USB 3.0 | 3.1 MP IMX265 | IC -1621001UCE |
| | 28,2 x 23,6 | 202 | 45 | non | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IC -1622001UBE |
| | 28,2 x 23,6 | 202 | - | non | color | 36 | USB 3.0 | 5.0 MP IMX264 | IC -1622001UCE |

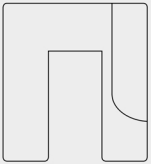
150 x 70 x 40 mm 0,5 kg CE, RoHS, WEEE

compact M integrated lighting (coaxial+ring) 'Machine Vision Microscope'

| | FoV (mm) | WD (mm) | Resolution (LP/mm) | Light (LED white) | Image | Frame-rate | Interface | Sensor (Sony Pregius *) | Order-number |
|--|-----------|---------|--------------------|-------------------|------------|------------|-----------|-------------------------|----------------|
|  | 4,5 x 3,4 | 31 | - | coax+ring | color | 36 | USB 3.0 | 5.0 MP IMX264 | IC -4352701UCE |
| | 4,5 x 3,4 | 31 | 270 | coax+ring | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IC -4352701UBE |
| | 3,8 x 2,8 | 31 | - | coax+ring | color | 55 | USB 3.0 | 3.1 MP IMX265 | IC -4351701UCE |
| | 3,8 x 2,8 | 31 | 270 | coax+ring | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IC -4351701UBE |
| | 2,2 x 1,8 | 36 | - | coax+ring | color | 36 | USB 3.0 | 5.0 MP IMX264 | IC -4352702UCE |
| | 2,2 x 1,8 | 36 | 555 | coax+ring | monochrome | 36 | USB 3.0 | 5.0 MP IMX264 | IC -4352702UBE |
| | 1,8 x 1,4 | 36 | - | coax+ring | color | 55 | USB 3.0 | 3.1 MP IMX265 | IC -4351702UCE |
| | 1,8 x 1,4 | 36 | 555 | coax+ring | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IC -4351702UBE |
| | 1,8 x 1,4 | 13 | - | coax | color | 55 | USB 3.0 | 3.1 MP IMX265 | IC -4251101UCE |
| | 1,8 x 1,4 | 13 | 555 | coax | monochrome | 55 | USB 3.0 | 3.1 MP IMX265 | IC -4251101UBE |

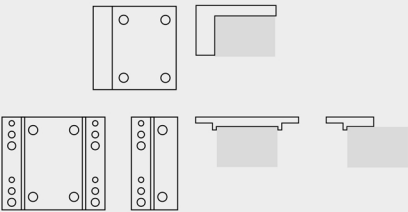
150 x 70 x 40 mm 0,5 kg CE, RoHS, WEEE

profile M telecentric lighting 'Telecentric Profile Projector'

| | FoV (mm) | WD (mm) | Resolution (LP/mm) | Light (LED white) | Image | Frame-rate | Interface | Sensor (Sony Pregius *) | Order-number |
|--|-----------|---------|--------------------|-------------------|------------|------------|-----------|-------------------------|----------------|
|  | 8,5 x 7,1 | 30 | 147 | telecentric | monochrome | 35 | USB 3.0 | 5.0 MP IMX264 | IC -8452901UBE |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

145 x 155 x 40 mm 1,0 kg CE, RoHS, WEEE

Mounting brackets

| | Version | Shape | linea S M | compact M | profile M | Ordernumber |
|--|-------------------------------|----------|-------------|-----------|-----------|---------------|
|  | IM mounting bracket | 90° | ■ | ■ | ■ | IM-ZM-00006 |
| | IM mounting bracket | 90° | ■ | ■ | ■ | IM-ZM-00007 |
| | IM mounting bracket | 90° | | | ■ | IM-ZM-00013 |
| | IM mounting bracket | straight | ■ | | | IM-ZM-00011 |
| | IM mounting bracket | straight | | ■ | | IM-ZM-00012 |
| | | | | | | |
| | Dovetail for 'Focus Drive OC' | | | | ■ | IM-ZM-00027 |
| | Dovetail for 'Focus Drive OC' | | | ■ | ■ | 043-610018-10 |