

Inspekto Flex Hybrid Bundle AI-based visual quality inspection for presence and anomaly detection - limited to 6 profiles - high performance (GPU-accelerated) - no camera - Lumimax SmartLight included - - note: for supported cameras, see manual

| General information                         |                                                                                                             |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Product function                            |                                                                                                             |
| Visual inspection                           |                                                                                                             |
| — inspection cycle                          | 100 ms                                                                                                      |
| — object speed, max.                        | 2.25 m/s                                                                                                    |
| — installation clearance, min.              | depending on used optics                                                                                    |
| — installation clearance, max.              | depending on used optics                                                                                    |
| — smallest fault size                       | depending on used optics                                                                                    |
| — number of inspection profiles             | 6                                                                                                           |
| — number of possible inspection areas       | unlimited (limited only by hardware resources)                                                              |
| Camera                                      |                                                                                                             |
| — vision standard                           | GigE Vision                                                                                                 |
| illumination                                |                                                                                                             |
| — light color                               | white 5 700 K (CRI80)                                                                                       |
| — LED technology                            | SMD LEDs                                                                                                    |
| — width of light-emitting surface           | 100 mm                                                                                                      |
| — length of light-emitting surface          | 100 mm                                                                                                      |
| — illuminance                               | 40 000 lx; at 0.1 m                                                                                         |
| — electrical power at the light field, max. | 16.8 W; normal mode                                                                                         |
| — Operating mode                            | continuous and switching operation; 4 separately controllable segments                                      |
| — ON-delay                                  | 10.5 µs                                                                                                     |
| — illumination controller                   | integrated illumination controller                                                                          |
| — continuous operation                      | without connection to system light operates in continuous mode                                              |
| — PLC switching input                       | low level ≤ 8 V DC; high level = 12 to 30 V DC; internally limited to 6 mA<br>Switch-on delay 2.5 µs to MCU |
| — Boost mode                                | brings 32.4 W to light field for illumination increase, max. switch-on time 500 ms with duty factor 50 %    |
| — risk group                                | Exempt Group (DIN EN 62471)                                                                                 |
| Installation type/mounting                  |                                                                                                             |
| Mounting accessories                        | included                                                                                                    |
| Supply voltage                              |                                                                                                             |
| Design of the power supply                  | DC                                                                                                          |
| permissible range, lower limit (DC)         | 24 V                                                                                                        |
| permissible range, upper limit (DC)         | 24 V                                                                                                        |
| Interfaces                                  |                                                                                                             |
| Ethernet interface                          | Yes                                                                                                         |
| Protocols                                   |                                                                                                             |
| PROFINET                                    | Yes                                                                                                         |
| EtherNet/IP                                 | Yes                                                                                                         |
| Protocols (Ethernet)                        |                                                                                                             |
| • TCP/IP                                    | Yes                                                                                                         |
| Degree and class of protection              |                                                                                                             |
| IP degree of protection                     | IP20 control cabinet installation / open type                                                               |
| Ambient conditions                          |                                                                                                             |
| Suited for indoor use                       | Yes                                                                                                         |
| Suited for outdoor use                      | No                                                                                                          |
| Ambient temperature during operation        |                                                                                                             |
| • min.                                      | 10 °C                                                                                                       |

|                                                 |                  |
|-------------------------------------------------|------------------|
| • max.                                          | 38 °C            |
| • min. [°F]                                     | 50 °F            |
| • max. [°F]                                     | 100 °F           |
| Altitude during operation relating to sea level |                  |
| • Installation altitude above sea level, max.   | 2 000 m          |
| Relative humidity                               |                  |
| • Operation, min.                               | 20 %             |
| • Operation, max.                               | 80 %             |
| Operating systems                               |                  |
| pre-installed operating system                  | LINUX            |
| Connection method                               |                  |
| Type of connection                              | plugged, screwed |
| Dimensions                                      |                  |
| width of controller                             | 79 mm            |
| height of controller                            | 194 mm           |
| depth of controller                             | 237 mm           |
| lighting width                                  | 130 mm           |
| lighting height                                 | 130 mm           |
| lighting depth                                  | 20.5 mm          |
| Weights                                         |                  |
| weight of controller                            | 6 kg             |
| Classifications                                 |                  |

|        | Version | Classification |
|--------|---------|----------------|
| eClass | 16      | 27-31-02-06    |
| eClass | 14      | 27-31-02-06    |

#### Approvals / Certificates

##### General Product Approval



[CCS \(China Classification Society\)](#)

[BIS CRS](#)



##### General Product Approval

EMV

Test Certificates

[Environmental Conformations](#)



[KR \(Korean Register of Shipping\)](#)

[Miscellaneous](#)

[TUEV](#)



##### Test Certificates

[CCS \(China Classification Society\)](#)

[BIS CRS](#)

[Miscellaneous](#)

[KR \(Korean Register of Shipping\)](#)

last modified:

1/24/2026