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## Camera for vicosys® - GV-5000FA-P-GL Rev.1.2

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**Short description:** GigE-Camera, polarization, C-Mount, 12 MP,  
4,096 x 3,000 Pixel, 1.1"

**Order number:** 3-12-800



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### Characteristics

- GigE area scan camera for industrial applications
  - 1.1" sensor with resolution of 4,096 x 3,000 (polarization)
  - industrial GigE Vision interface with Power over Ethernet
  - Dustproof and protected against jet water from any angle (IP65) as well as temporary immersion (IP67)
  - compatible with C-Mount lenses
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## Technical data

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### Sensor Specification

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|---------------------------------------|--------------------|
| Sensor name                           | Sony IMX253        |
| Spectrum                              | VIS (polarization) |
| Shutter technology                    | Global Shutter     |
| Sensor format                         | 1,1"               |
| Sensor diagonal [mm]                  | 17.58              |
| Total resolution [Pixel]              | 4,096 x 3,000      |
| Total pixel [MP]                      | 12                 |
| Pixel size [µm]                       | 3.45               |
| Sensor technology                     | Pregius (2. Gen)   |
| Sensor alternatives (same technology) | IMX304 (less FPS)  |

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### Camera Specification

|                    |                 |
|--------------------|-----------------|
| Family             | IDS FA-Serie    |
| Type               | Areascan Camera |
| LAN speed [MBit/s] | 1000            |
| Protection class   | IP65/67         |
| Frame rate [fps]   | 10              |

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### General Information

|                    |                       |
|--------------------|-----------------------|
| POE                | yes                   |
| Lens Mount         | C-Mount               |
| Weight [g]         | 173                   |
| Housing dimensions | 53 mm x 41 mm x 43 mm |

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## Accessories for Cameras for Multi-Camera Systems - GV-5000FA-P-GL Rev.1.2

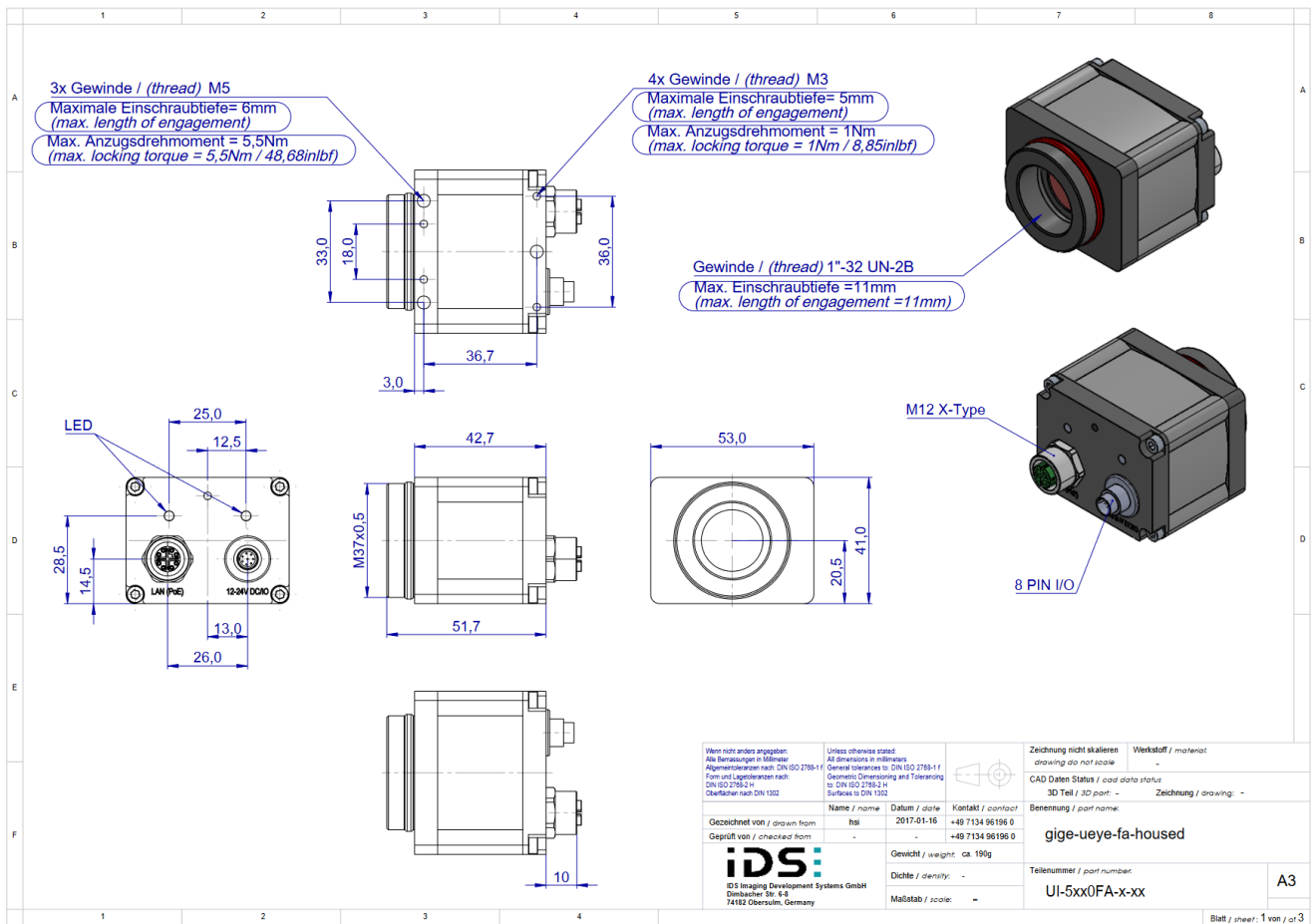
| Order number           | Title                          | Description                                                               |
|------------------------|--------------------------------|---------------------------------------------------------------------------|
| <b>Enclosures</b>      |                                |                                                                           |
| 4-40-364               | Objektivtubus-65-70-IDS        | IP67 Lens Protecting Housing for FA Cameras, Lens Diameter max. 64mm      |
| 4-40-355               | Schutzkappe-M9-IDS             | Protective Cap for IO-Socket of FA Series                                 |
| 4-40-359               | Objektivtubus-97-70-IDS        | IP67 Lens Protecting Housing for FA Cameras, Lens Diameter max. 64mm      |
| 4-40-358               | Objektivtubus-77-70-IDS        | IP67 Lens Protecting Housing for FA Cameras, Lens Diameter max. 64mm      |
| 4-40-363               | Objektivtubus-77-41-IDS        | IP67 Lens Protecting Housing for FA Cameras, Lens Diameter max. 35mm      |
| 4-40-361               | Objektivtubus-64-41-IDS        | IP67 Lens Protecting Housing for FA Cameras, Lens Diameter max. 35mm      |
| 4-40-362               | Objektivtubus-51-41-IDS        | IP67 Lens Protecting Housing for FA Cameras, Lens Diameter max. 35mm      |
| 4-40-360               | Flansch-70-IP-IDS              | Lens tube adapter for FA Series, Outer diameter 70 mm                     |
| <b>Trigger Cables</b>  |                                |                                                                           |
| 4-40-348               | Y-SPS-Power-Kabel-8P-IDS-0.5m  | Y-Cable for I\Os and Power of FA Series, Power and Strobe seperated, 0.5m |
| 4-40-371               | SPS-Power-Kabel-Bi-IDS-D-5m    | I\O Cable for FA Series of IDS, drag chain suitable, 5m                   |
| 4-40-365               | SPS-Power-Kabel-Bi-IDS-D-10m   | I\O Cable for FA Series of IDS, drag chain suitable, 10m                  |
| 4-40-380               | SPS-Power-Kabel-Binder-IDS-5m  | I\O Cable for FA Series of IDS, 5m                                        |
| 4-40-379               | SPS-Power-Kabel-Binder-IDS-10m | I\O Cable for FA Series of IDS, 10m                                       |
| <b>Mounting Plates</b> |                                |                                                                           |
| 4-40-353               | Tripod-Mount-FA-IDS            | FA Mounting Plate                                                         |
| <b>Power Supply</b>    |                                |                                                                           |
| 4-40-373               | POE-Injektor-IDS               | POE-Injector for IDS Cameras                                              |
| <b>POE Injector</b>    |                                |                                                                           |

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| Order number                              | Title                       | Description                                                   |
|-------------------------------------------|-----------------------------|---------------------------------------------------------------|
| 4-40-341                                  | POE-TI-IG30                 | POE injector for all Gigabit Ethernet Cameras                 |
| <b><i>Ethernet Cables for Cameras</i></b> |                             |                                                               |
| 4-40-381                                  | Ethernet-M12-RJ45-IDS-D-15m | Ethernet Cable for FA Series of IDS, drag chain suitable, 15m |
| 4-40-343                                  | Ethernet-M12-RJ45-IDS-D-5m  | Ethernet Cable for FA Series of IDS, drag chain suitable, 5m  |
| 4-40-344                                  | Ethernet-M12-RJ45-IDS-D-3m  | Ethernet Cable for FA Series of IDS, drag chain suitable, 3m  |
| 4-40-342                                  | Ethernet-M12-RJ45-IDS-D-10m | Ethernet Cable for FA Series of IDS, drag chain suitable, 10m |
| 4-40-375                                  | Ethernet-Kabel-M12-IDS-5m   | Ethernet Cable for FA Series of IDS, 5m                       |
| 4-40-369                                  | Ethernet-Kabel-M12-IDS-15m  | Ethernet Cable for FA Series of IDS, 15m                      |
| 4-40-376                                  | Ethernet-Kabel-M12-IDS-10m  | Ethernet Cable for FA Series of IDS, 10m                      |

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## Drawings



Dimensional drawing in mm