



# Industrial DashCam

DashCam for the Industry

## Industrial Dash Cam IDC-DCR1

The Industrial DashCam – a small observer of your industrial processes: You want to know why the machine has slowed down its cycle? A machine component shows unusual behavior? Used in machines, production process and plants, the Industrial DashCam makes it possible to avoid unplanned production outages and costly downtime. Thanks to a ring memory, the IMAGO camera delivers a video of an incident before, during or after a signal is triggered. The camera is not only practical for machine condition monitoring but is also ideal for documenting final tests proving that the unit has left the factory in working order.



### Key Features

- Powerful Standalone System
- Easy integration in existing environments with Rest API
- Diagnostic during operation
- Remote analysis
- Intuitive web interface for interaction with human user (HMI)
- Various Trigger modes
- Auto Trigger for easy automation
- Easy handling of parameters and settings

### Sensor / Optical Features

|               |                              |           |
|---------------|------------------------------|-----------|
| Sensor        | Global Shutter               |           |
| Resolution    | 1920 × 1080 pixels (Full HD) |           |
| Color         | mono / color                 |           |
| Focal length  | 6 mm                         | 9 mm      |
| Field of View | 53° × 29°                    | 34° × 20° |

### Recording

|                |  |
|----------------|--|
| File Format    | MPEG4 (H.264)                          |
| Recording Time | ≤ 300 s: past, future or a mix of both |
| Live View      | Available via Web-interface            |
| Overlay        | On / Off (DashCam ID & time stamp)     |

### Framerate

|         |                  |
|---------|------------------|
| FULL HD | ≈ 60 fps (mono)  |
| VGA     | ≈ 180 fps (mono) |
| QVGA    | ≈ 370 fps (mono) |

### Trigger Modes

|                   |  |
|-------------------|--|
| Regular mode      | Video is saved when the digital input signal raises                |
| Heartbeat mode    | Video is saved when the Heartbeat signal is lost                   |
| Auto Trigger mode | Video is saved after a threshold of change is reached within a ROI |

## Interfaces

|                      |                             |
|----------------------|-----------------------------|
| Ethernet TCP/IP, FTP | 1000 Mbit/s                 |
| Digital I/O          | 2 × Input, 4 × Output, 24 V |
| Mass Storage         | 1 × µSD Card ≥ 32 GB        |

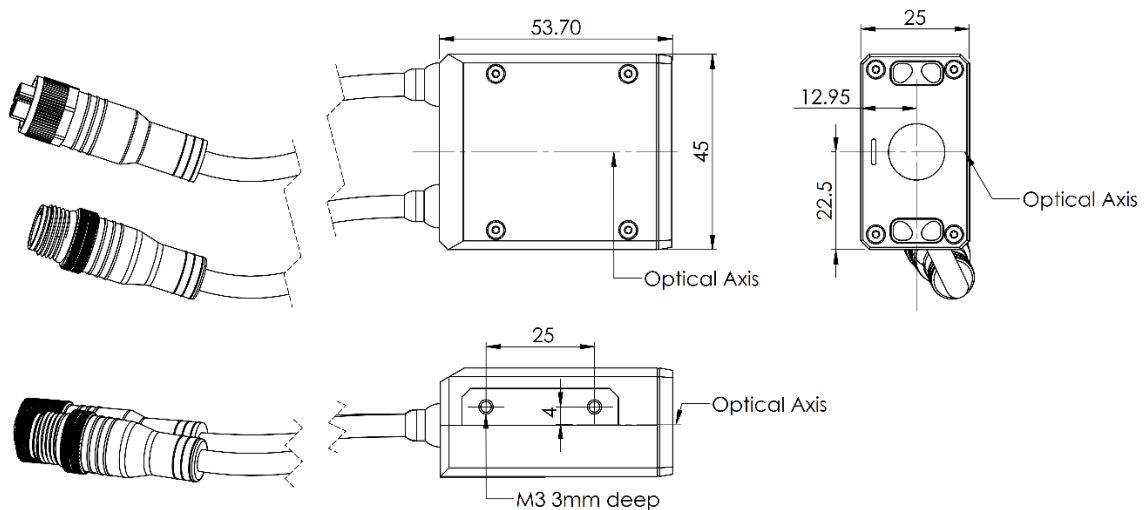
## Mechanical / Electrical

|                           |   |
|---------------------------|---|
| Ethernet Cable            | 0.5 m, M12 8 pin  |
| I/O & Power Cable         | 0.5 m, M12 8 pin  |
| Min. Cable Bending Radius | 30mm (recommended)  |
| Power Supply              | 24 V <sub>DC</sub> (21 V <sub>DC</sub> – 28 V <sub>DC</sub> ) |
| Supply Current @24V       | 0.5A  |
| Dimension W × D × H       | 45 mm × 54 mm × 25 mm   |
| Weight                    | 125 g (incl. cable)   |
| Temperature Range         | +5 °C ... +40 °C  |
| Mounting                  | 4 × M3  |
| Schutzklasse              | IP65  |

## LED Strobe

|                |                                 |
|----------------|---------------------------------|
| White LED      | 4 internal high-brightness LEDs |
| Pulse Duration | Synchronized with shutter       |

## Dimensional Drawing



## Beispielaufnahmen

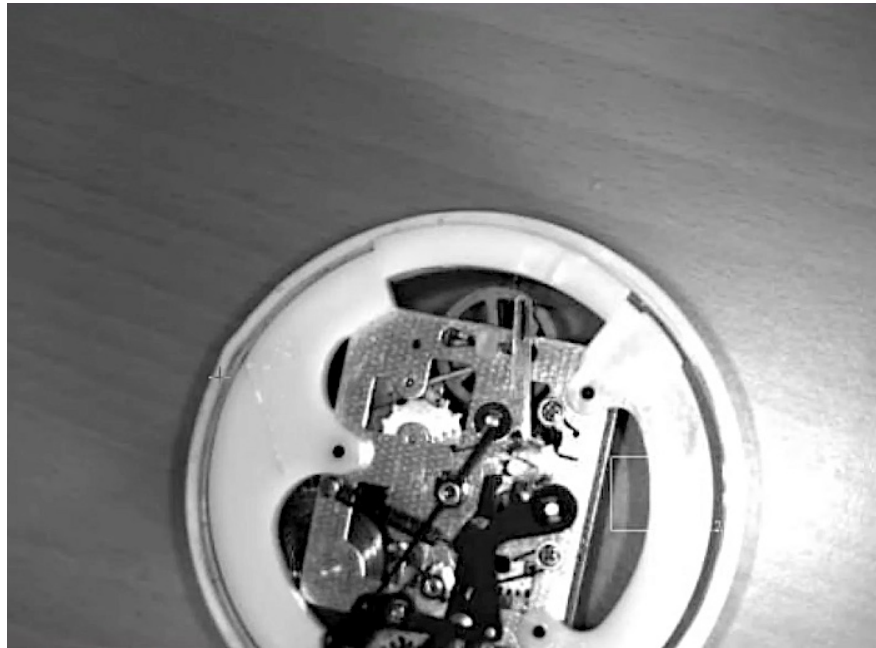


Bild1 Innenleben einer Uhr

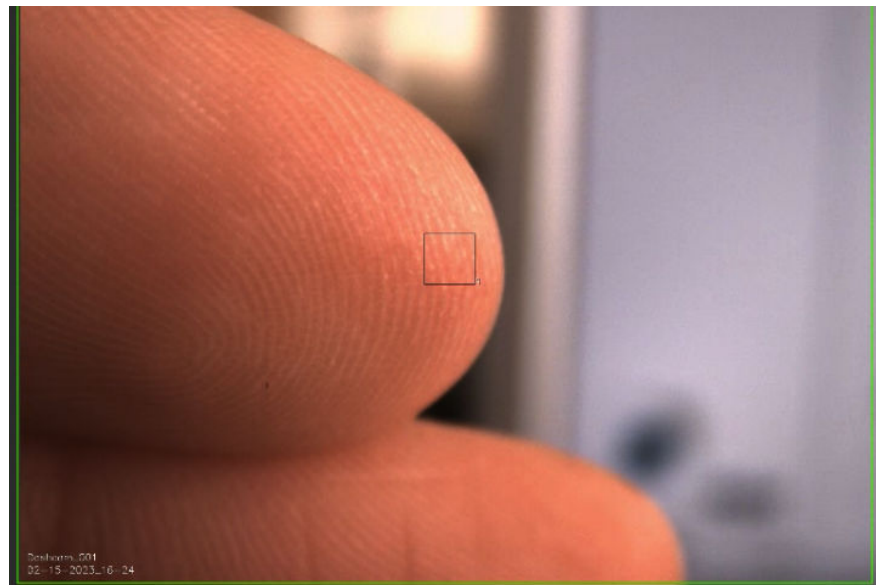


Bild 2 Finger Nahaufnahme