



# Forklift Explosion-Proof Camera Solution

Model No. SE-01-002





## Description:

Introducing the Explosion Proof Forklift camera: a safety solution for hazardous environments. Enhancing safety and productivity. Ideal for industries like oil and gas, chemical processing, and mining. Ensure compliance and minimize risks with this reliable system. Comes with-

1. 4 ex-proof Mini IR camera
2. Monitor
3. Mobile DVR
4. Outdoor Cables & Heavy Duty Plugs



## 1. Explosion Proof Mini IR Camera

Model No. SE-01-002

## Features:

- Enhanced safety with clear visibility and elimination of blind spots.
- Versatility for industries like oil and gas, chemical processing, and mining.
- Compliance with II 2G Ex db and IP68 certifications for hazardous environments.
- Durable construction using 304 Stainless Steel materials.
- Flexible connectivity options including IP67 Waterproof GPS, 4G, Wi-Fi, and SD & SSD card slots.
- Equipped with infrared (IR) capabilities, ensuring visibility in low-light conditions within a range of 5-15 meters.
- Designed for easy setup, featuring a G-1/2" cable thread hole and versatile power supply options, including DC12V and Power over Ethernet (PoE).



## Specifications:

### Certificate of Conformity

|                 |   |
|-----------------|---|
| Marking         | II 2G Ex db II C T6 Gb / II 2D Ex tb III C(850)Db |
| Certificate No. | IEP 14 ATEX 0253                                  |

### Mechanical Features

|                    |  |
|--------------------|--|
| Material           | 304 Stainless Steel  |
| Surface Treatment  | Original Stainless-Steel Color, Electro polishing Optional |
| Ingress Protection | IP68   |
| Interface Spec     | G-1/2"   |
| Weight             | ≤1.6kg [ Stainless Steel ]                                 |

### Electrical Features

|                         |                       |  |
|-------------------------|-----------------------|--|
| Power Supply            | DC12V                 |  |
| Working Current         | ≤1A                   |  |
| Camera                  | Image Sensor          | 1/3' SONY Super EFFIO HAD / Exview HAD II CCD Sensor |
|                         | Resolution            | 700TVL/800TVL  |
|                         | Lens                  | 4mm/6mm/8mm/12mm                                     |
|                         | Signal-to-Noise Ratio | > 75db   |
|                         | Min. Illumination     | 0Lux (infra-red on)                                  |
| Infrared                | Distance              | 15-25m   |
|                         | Wavelength            | 850nm  |
|                         | ON/OFF                | Auto(≤10Lux)   |
| Electrical Connectivity | Aviation Plug         |  |

### Environmental

|                      |                |
|----------------------|----------------|
| Rated Temperature    | (-30°C+70°C)   |
| Atmospheric Pressure | 80-106KPa      |
| Relative Humidity    | ≤95%RH (+25°C) |

## 2. Wired Monitor 7"

Model No. SE-01-001/M



### ► Specifications:

|  |   |
|--|---|
| LCD  | 7" high gloss digital screen / 16:9   |
| Resolution/brightness/viewing Angle (standard) | 1024*600, LED 350- 400 CD/m <sup>2</sup> , left and right - 70°, top -50°, bottom - 70°                           |
| CVBS input                                     | Two video inputs, one reversing trigger V2  |
| Special features                               | Light sensor function, automatic screen brightness adjustment for day and night, reversing delay, reversing scale |
| System   | PAL / NTSC  |
| OSD control                                    | Brightness, contrast, colour, multi-language, mirroring, reverse delay  |
| Power Requirements                             | Input 9-36V DC, output 12V  |
| Other  | High and low voltage protection and anti-phase protection, anti-shock pulse 60V 3A                                |
| Power Consumption                              | <5W   |
| Waterproof/ dustproof rating                   | IP69K   |
| Seismic rating                                 | 5.9G  |
| Operating temperature                          | -20°C +70°C   |
| Storage temperature                            | -30°C to 80°C   |
| Wire interface                                 | 4PIN airline header with RCA female connector (optional)  |
| External dimentions                            | 188*127.2*34(79)mm  |
| Exterior colours                               | Matt black all metal  |
| Annexes  | Remote control, power cord, user manual hardware U-bracket, removable sun visor                                   |

### 3. Mobile DVR

Model No. SE-01-001/D



## ► Specifications:

|                           |                           |  |
|---------------------------|---------------------------|--|
| Video                     | Video Input               | Supports 4 channels CIF/HD1/D1/960H camera Video input<br>Supports 4 channels 720P AHD camera Video input<br>Supports 4 channels 1080P AHD camera Video input<br>Supports 2-CH 720P AHD + 2-CH 960H analog mixing Video input<br>Supports 1-CH 720P/1080P IPC + 4-CH 720P AHD/960H/D1/CIF Video input<br>Supports 1-CH 720P/1080P IPC + 4-CH 1080P AHD Video |
|                           | Video Output              | 1 Channels (Rear Panel on RJ45&AV-OUT Port   |
|                           | Signal System             | PAL / NTSC( PAL@100 frame 1080P/sec; NTSC@120 frame 1080P/sec)   |
| Audio                     | Audio Input/ Audio Output | 4 Channels / 1 Channel   |
| Recording & Storage       | Video Bit Rate            | 960H, 720P, 1080P  |
| Alarm                     | Alarm Input/ Alarm Output | 4 Channels / 2 Channels  |
| Wireless communication    | 3G / 4G                   | Supported  |
|                           | Wi-Fi                     | Internal Wi-Fi 802.11b/g/n/ac optional   |
| GPS                       | Int'l Standard GPS        | Internal GPS module. Real-time geographic coordinates, speed information   |
| Operational Temperature   | -25°C~80°C                | Install in well ventilated area, protected from moisture, heat, dust and vibration. Confined by SSD temperature also   |
| Weatherproof/ Water Proof | IP67                      |  |



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