

Code: SDO-2

## SPEED DOME OPTOISOLATOR SDO-2

Net: 29.00 EUR Gross: 29.00 EUR

The SDO-2 device enables galvanic separation of the video signal and RS-485 telemetry signal between Speed Dome camera and the device recording video signal from this camera. It protects the camera against overvoltage from installation cables and the digital recorder against overvoltage from camera cables. The application of SDO-2 optoisolator allows to split the whole system to particular parts and therefore reduces the risk of damage caused by overvoltage. Main features: optoisolation between RS-485 input and output and galvanic isolation between RS-485 input and power, optoisolation between video input and output and galvanic isolation between video output and power, protection against lightning discharges and voltage differences between devices, elimination of signal disturbances caused by voltage differences.



### SPECIFICATION

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard:                      | CVBS - PAL / NTSC                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Number of inputs/outputs:      | 1 / 1 ( Video )<br>1 / 1 ( RS-485 )                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Range RS-485:                  | 1200 m                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| RS-485 input isolation:        | 1000 V                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Video output isolation:        | 1000 V                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| RS-485 transmission direction: | Simplex                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Baud rates:                    | 2400 ... 115200 baud                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Main features:                 | <ul style="list-style-type: none"><li>• optoisolation between RS-485 input and output and galvanic isolation between RS-485 input and power</li><li>• optoisolation between video input and output and galvanic isolation between video output and power</li><li>• protection against lightning discharges and voltage differences and strokes between devices</li><li>• elimination of signal disturbances caused by voltage differences</li></ul> |
| Input socket type:             | cable terminal (separable)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Output socket type:            | cable terminal (separable)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Power supply:                  | 12 V DC / 100 mA                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Dimensions:                    | 148 x 80 x 40 mm                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Weight:                        | 0.15 kg                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Guarantee:                     | 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                             |

### PRESENTATION

Optoisolator in closed cover:



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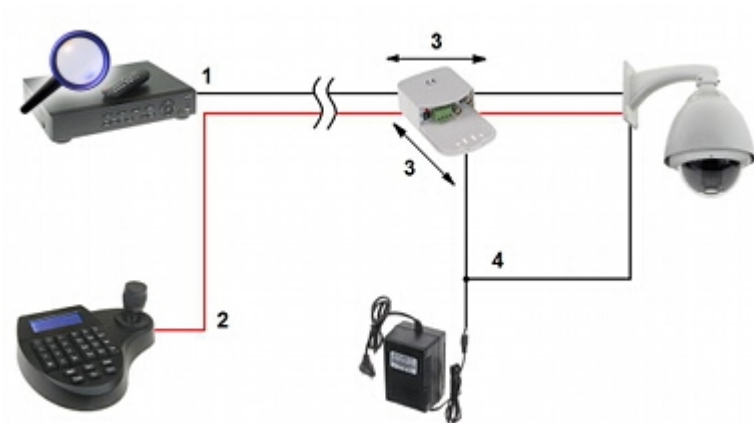


Internal view, after remove the cover:



Mounting side view:





- 1) Video
- 2) RS-485
- 3) 1000V ISOLATION
- 4) Power supply

To open the cover pull the cable hole (look at the picture):



## PACKAGE

|                                  |                    |
|----------------------------------|--------------------|
| Dimensions (L x W x H): 0x0x0 mm | Gross Weight: 0 kg |
|----------------------------------|--------------------|