

Code: DS-2AE7230TI-A

HD-TVI, PAL SPEED DOME CAMERA OUTDOOR **DS-2AE7230TI-A** - 1080p  
4 ... 120 mm Hikvision  
Net: **911.60 EUR** Gross: **911.60 EUR**

Megapixel camera with 1/2.8" CMOS sensor and HD-TVI (High Definition Transport Video Interface) / PAL.

The HD-TVI interface allows to transmission of analog video signal via coaxial cable at resolutions up to 1080p. It enables the transmission of HD resolution images for even 500 m distance with keeping the low costs of the installation. During transmission there are no delays and is maintained the original, high quality image.

In the case of video transmission using a twisted pair cable and matching transformers (balun), be aware of the possibility of signal reflections and interfering signals. Camera is according to IP66 Index of Protection norm.



## SPECIFICATION

|                                         |                                                                             |
|-----------------------------------------|-----------------------------------------------------------------------------|
| Standard:                               | HD-TVI, PAL                                                                 |
| Sensor:                                 | 1/2.8 " Progressive Scan CMOS                                               |
| Matrix size:                            | 2.1 Mpx                                                                     |
| Resolution:                             | 1920 x 1080 - 1080p<br>960 x 576 - 960H                                     |
| Range of IR illumination:               | 120 m                                                                       |
| Lens:                                   | 4 ... 120 mm                                                                |
| View angle:                             | • 58 ° ... 1.7 ° (manufacturer data)<br>• 58 ° ... 3.0 ° (our tests result) |
| Optical zoom:                           | x 30                                                                        |
| Digital zoom:                           | x 16                                                                        |
| Rotation speed depending on ZOOM level: | ✓                                                                           |
| Horizontal rotation range:              | 360 ° continuous                                                            |
| Vertical rotation range:                | -15 ° ... 90 °                                                              |
| Rotation speed (manual control):        | 0.1 °/s ... 160 °/s (horizontal) ,<br>0.1 °/s ... 120 °/s (vertical)        |
| Preset rotation speed:                  | 240 °/s (horizontal)<br>200 °/s (vertical)                                  |

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PTZ control:            | Via interface RS-485<br>The ability to control via coaxial cable from recorder HIKVISION                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Protocols:              | Pelco-D, Pelco-P (auto detection)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| S/N ratio:              | ≥ 50 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Video output:           | <ul style="list-style-type: none"> <li>• 1 Vpp / 75 Ω - HD-TVI</li> <li>• 1 Vpp / 75 Ω - CVBS, PAL</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Audio:                  | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Number of presets:      | 256                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Route settings:         | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Horizontal scan:        | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Park action:            | Call the set function (tour, scan, etc.) after specified dwell time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Alarm inputs / outputs: | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Main features:          | <ul style="list-style-type: none"> <li>• Intelligent 3D Positioning System</li> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• D-WDR - Wide Dynamic Range</li> <li>• F-DNR (Defog) - Reduction of image noise caused by precipitation</li> <li>• EIS - Electronic Image Stabilization</li> <li>• IR illuminator optimization</li> <li>• BLC/HLC - Back Light / High Light Compensation</li> <li>• AGC - Automatic Gain Control</li> <li>• ICR - Movable InfraRed filter</li> <li>• Auto White Balance</li> <li>• Configurable Privacy Zones</li> </ul> |
| OSD menu:               | OSD menu available via Hikvision HD-TVI recorder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Vandal-proof:           | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| "Index of Protection":  | IP66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Power supply:           | 24 V AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Power consumption:      | ≤ 30 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Housing:                | Speed Dome, Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Color:                  | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Operation temp:         | -30 °C ... 65 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Weight:                 | 4.60 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Dimensions:             | Ø 220 x 353 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Supported languages:    | English, Polish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Manufacturer / Brand:   | Hikvision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SAP Code:               | 301203828                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Guarantee:              | <b>3 years</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## PRESENTATION

Bottom view:



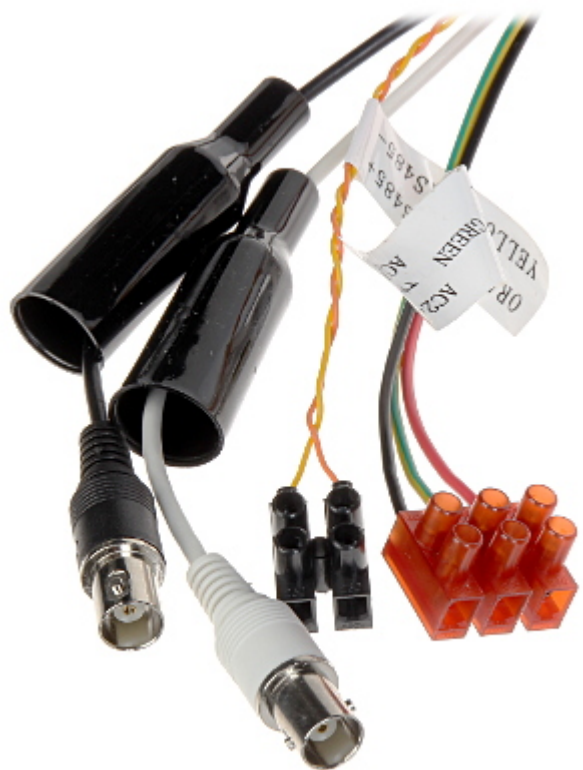
DELTA-OPTI Monika Matysiak; <https://www.delta.poznan.pl>  
POL; 60-713 Poznań; Graniczna 10  
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60



On the body, under the cover there are placed configuration switches:



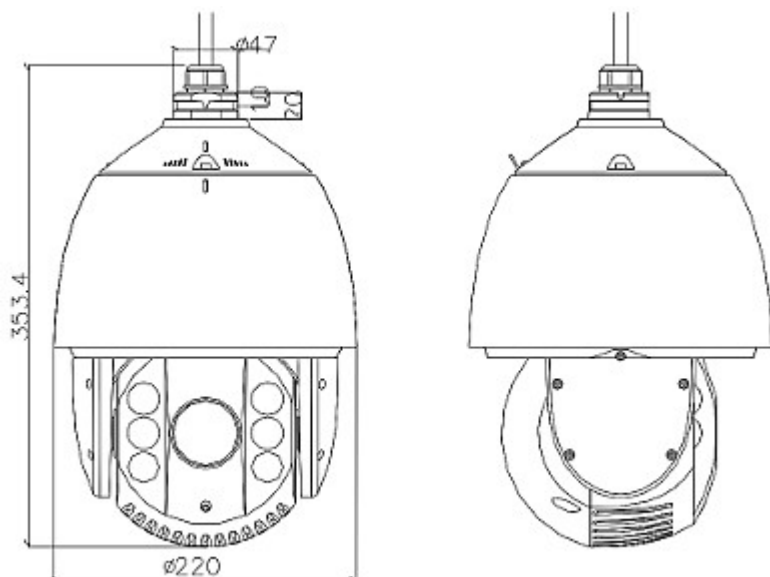
Camera connectors:



Connectors description:



Dimensions:



In the kit:



## OUR TESTS

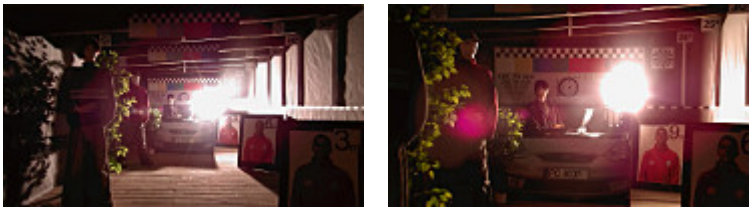
Camera image at artificial illumination (about 30Lux):



Camera image at night conditions with external IR illuminator on:



Camera image at direct strong light opposite to camera:



**PACKAGE**

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