

OUTDOOR SPEED DOME CAMERA **PH-37Y** STANDARD: PAL, ICR 560 TVL (COLOR) 680 TVL (B/W) 3.5 ... 129.5 mm

Net: **503.85 EUR** Gross: **503.85 EUR**

The outdoor speed dome camera equipped with Samsung camera module and high resolution Sony Super HAD sensor.

OSD - On Screen Display menu enables to select and set many useful functions. Sense-UP (Slow Shutter) - function enables good image quality in poor light conditions, even below the human eye sensitivity. It is made by slow shutter feature, what increases the time of exposure the sensor. The disadvantage of this solution is blurring of fast-moving objects. The DNR (Digital Noise Reduction) function produces clear image, even at poor light conditions and high image gain parameters we will not see any image noise on the screen. The VPS (Virtual Progressive Scan) function - auto choose the right scanning method (interlace or progressive) to better display the moving objects. The edges of fast moving objects are not blurry. Additionally the DIS (Digital Image Stabilization) function effectively eliminates the camera oscillations (due to strong wind for example), what is very important for high zoom settings. WDR (SSDR) - Wide Dynamic Range function enables the correct exposure (not overexposed - not underexposed) of the image at extreme different illumination of the monitoring object. The other very useful function is Auto Zoom (Smart Zoom). Smart Zoom - turn on this function causes increase the camera optical zoom to the required value after motion detection of the object in the zone. This function is very useful when we want increase the zoom to view a human face or a car plate after motion detection.

Camera is also equipped with 4 alarm inputs and 2 alarm outputs, which allow to support the alarm systems. When the alarm is triggered on any input, camera can be configure to execute the adequate function. Each input can be assigned its own priority. The alarm outputs can be connected to the alarm system, after previously defined camera alarm events.

ICR - The movable IR filter allows to perfect colors reproduction in daylight and wide gray-scale with high sharpness of the image at night mode. Camera works very well with external IR illuminators.



SPECIFICATION

Standard:	PAL
Sensor:	1/4 " Sony Super HAD CCD
Resolution:	560 TVL (color) 680 TVL (B/W)
Lens:	3.5 ... 129.5 mm
View angle:	54 ° ... 1.6 ° (manufacturer data) 54 ° ... 4 ° (our tests result)
Optical zoom:	x 37
Digital zoom:	x 16
S/N ratio:	52 dB (AGC off)
Min. illumination:	0.7 Lux / F1.6 (color) 0.07 Lux / F1.6 (B/W)
PTZ control:	Via interface RS-485
Rotation speed depending on ZOOM level:	✓
Protocols:	Pelco-D, Pelco-P
Baud rates:	2400, 4800, 9600 bps (auto detection)
Horizontal rotation range:	360 ° continuous
Vertical rotation range:	0 ° ... 90 °
Preset rotation speed:	max. 400 °/s

Protections:	Overvoltage
Rotation speed (manual control):	0.1 °/s ... 300 °/s (horizontal) 0.1 °/s ... 120 °/s (vertical)
Number of presets:	214
Route settings:	3 tours, each per 100 commands
Horizontal scan:	—
Park action:	—
Auto patrol:	1 vector contains 20 presets (no. 1-20)
Camera connectors:	Video - socket BNC Power supply - terminals RS-485 - terminals Alarm inputs / outputs - terminals
Video output:	1 Vpp / 75 Ω
Image stabilization:	DIS
Main features:	• ICR - Movable InfraRed filter • WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • 512 x Sense-UP - (Slow Shutter) - Increase the sensor sensitivity • HLC - High Light Compensation (spot) • WB - White Balance (ATW/AWB/manual/indoor/outdoor) • AGC - Automatic Gain Control • BLC - configurable Back Light Compensation • 8 Configurable Privacy Zones • Day/Night mode (color/b&w/auto) • Mirror - Mirror image • AutoFocus, AutoIris • Smart Zoom - Auto zoom in case of detect the motion • VPS - better display the moving objects. The edges of fast moving objects are not blurry • Auto Flip - auto-rotates the camera during "tilt" type moving • Sharpness - sharper image outlines • EZOOM - Digital Zoom off • 4 alarm inputs and 2 alarm outputs
Power consumption:	35 W
Power supply:	~ 24 V AC / 2 A (power adapter included)
"Index of Protection":	IP66
Operation temp:	-20 °C ... 60 °C
Weight:	5.51 kg
Dimensions:	Camera Ø 230 x 310 mm Bracket 270 x 168 x 109 mm
Supported languages:	English, French, Spanish, German, Polish, Italian, Portuguese, Russian, Turkish, Czech
Guarantee:	2 years

PRESENTATION

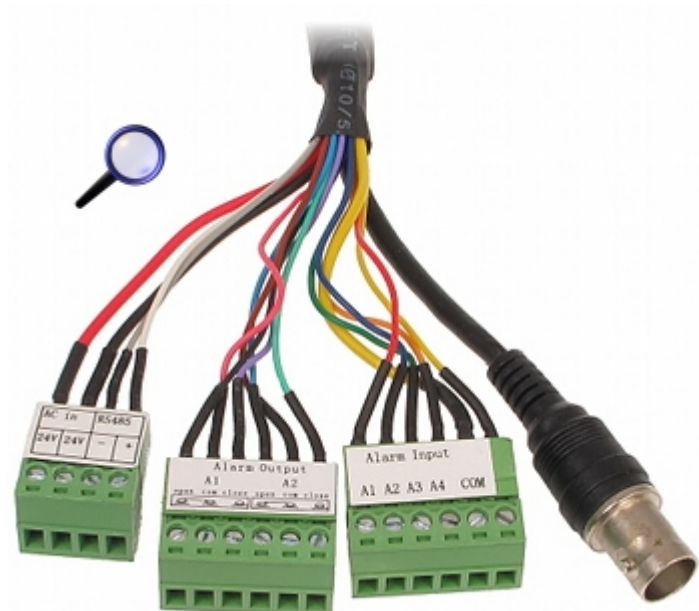
Camera with motor view after remove the dome cover (configuration switch visible):



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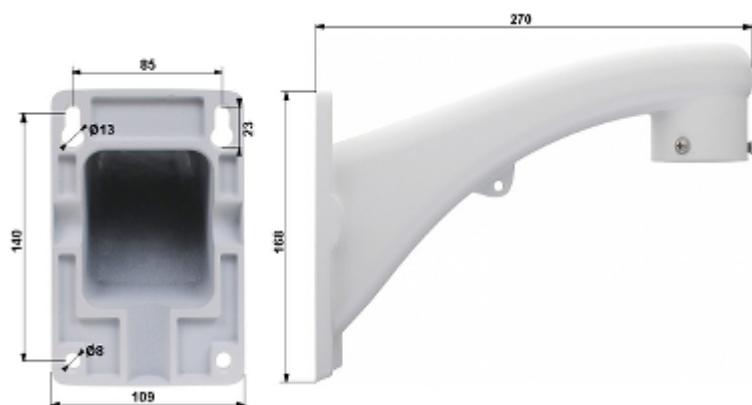
Camera connectors:



Bracket dimensions:



In the kit:



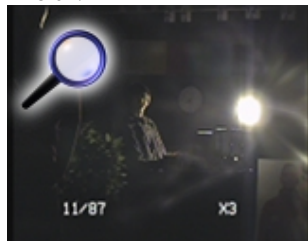
OUR TESTS

Camera image at artificial illumination (about 30Lux):



Car plate visibility during different camera operation conditions:

BLC on:



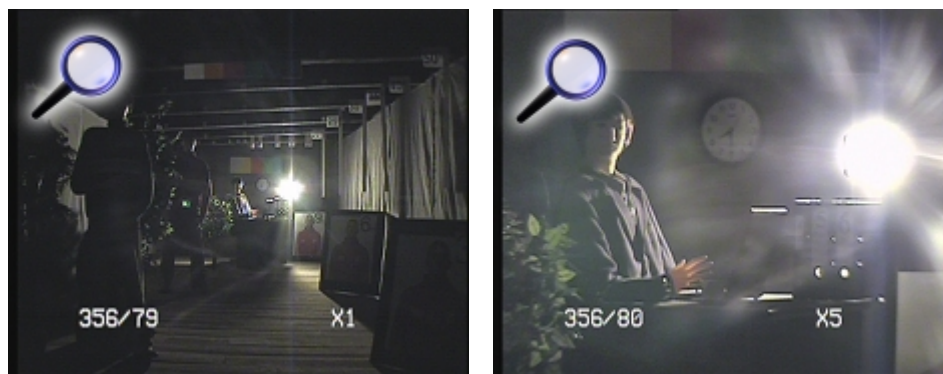
Poor illumination - 0.01 Lux:



WDR ON with external IR illuminator ON:



Camera image at direct strong light opposite to camera:



Camera image at night conditions with external IR illuminator on:



Camera image at night conditions, at different illumination values show below:

1 LUX:



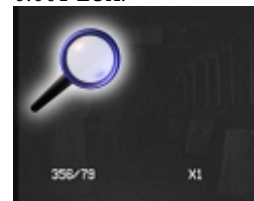
0.1 LUX:



0.01 LUX:



0.001 LUX:



OUR OPINIONS



- The sensational Samsung camera module.
- Camera has built-in many very useful functions, such as: effective Digital Image Stabilization, high increase the sensitivity by Digital Slow Shutter, Digital Noise Reduction, Wide Dynamic Range, High Light Compensation..
- Very solid construction.
- Alarm inputs and outputs allow to support camera operation with alarm systems.

PACKAGE

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