

Code: PH-23

OUTDOOR SPEED DOME CAMERA **PH-23** STANDARD: PAL, ICR 540 TVL

3.84 ... 88.4 mm

Net: **413.01 EUR** Gross: **413.01 EUR**

Speed Dome outdoor camera equipped with following technical solutions.
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.

DIS - Digital Image Stabilization function can effectively eliminate the camera oscillations (due to strong wind for example). It is very important for high zoom settings. It is very useful if camera is installed on the mast with oscillations risk.

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.

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.

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:	540 TVL
Lens:	3.84 ... 88.4 mm (manufacturer data) 4.5 ... 85.24 mm (our tests result)
View angle:	50 ° ... 2 ° (manufacturer data) 55.7 ° ... 3.2 ° (our tests result)
Optical zoom:	x 23 (manufacturer data) x 18,5 (our tests result)
Digital zoom:	x 16
S/N ratio:	min. 50 dB (AGC off)
Min. illumination:	0.7 Lux / F1.6 (color) 0.1 Lux / F1.6 (B/W) 0.0005 Lux / F1.6 (Sense-UP on)
PTZ control:	Via interface RS-485
Protocols:	Pelco-D Pelco-P (auto detection)
Rotation speed (manual control):	0.1 °/s ... 300 °/s (horizontal) 0.1 °/s ... 120 °/s (vertical)
Number of presets:	128
Route settings:	3 tours, each per 120 seconds
Horizontal scan:	—
Park action:	—

Auto patrol:	6 groups per 16 presets each - camera moving among max. 16 presets with previously set parking time and rotation speed
Camera connectors:	Video - socket BNC Power supply - terminals RS-485 - terminals
Video output:	1 Vpp / 75 Ω
Image stabilization:	✓
Main features:	• WDR - Wide Dynamic Range • ICR - Movable InfraRed filter • 256 x Sense-UP - (Slow Shutter) - Increase the sensor sensitivity • HLC - High Light Compensation (spot) • 4 Configurable Privacy Zones • 8 motion detection zones • WB - White Balance (ATW/AWB/manual/indoor/outdoor) • AGC - Automatic Gain Control • Day/Night mode (color/b&w/auto) • BLC - configurable Back Light Compensation • AutoFocus, AutoIris • Mirror - Mirror image • Auto Flip - auto-rotates the camera during "tilt" type moving • Smart Zoom - Auto zoom in case of detect the motion • EZOOM - Digital Zoom off • DNR - Digital Noise Reduction
Power supply:	~ 24 V AC / 2 A (power adapter included)
"Index of Protection":	IP66
Operation temp:	-20 °C ... 60 °C
Weight:	4 kg
Dimensions:	Camera $\varnothing$ 225 x 330 mm Bracket 268 x 168 x 109 mm
Supported languages:	English
Guarantee:	2 years

PRESENTATION

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

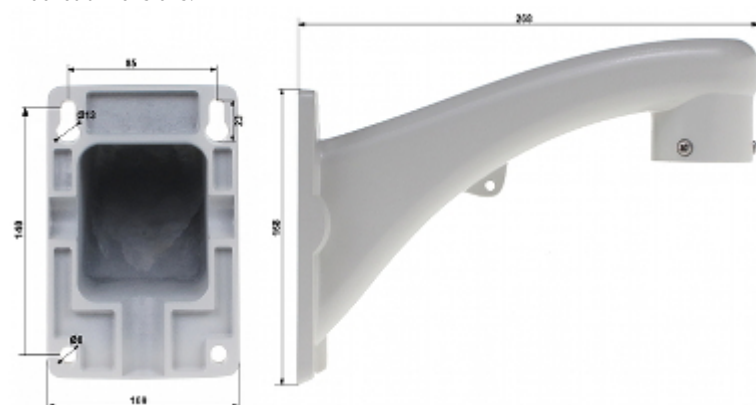


In the kit:

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Bracket dimensions:

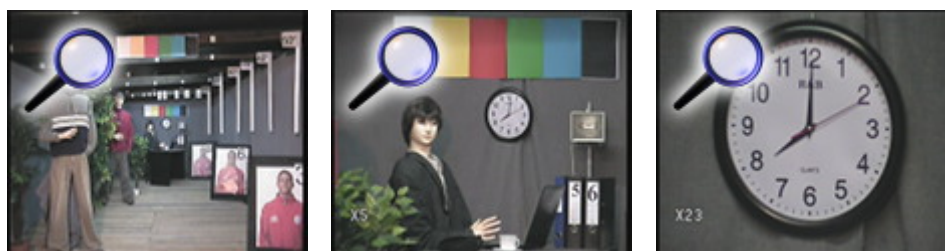


Comparison the dimensions of the following cameras: PH-23, PH-37, PH-10H:



OUR TESTS

Camera image at artificial illumination (about 30Lux):



Camera image at direct strong light opposite to camera:



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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



- 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, Auto Zoom.

PACKAGE

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