

OUTDOOR SPEED DOME CAMERA **PH-33** STANDARD: PAL, ICR 540 TVL

3.68 ... 115.5 mm

Net: **1 787.80 PLN** Gross: **1 787.80 PLN**

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. 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.

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:	3.68 ... 115.5 mm (manufacturer data) 3.5 ... 80.3 mm (our tests result)
View angle:	54 ° ... 1.8 ° (manufacturer data) 52 ° ... 2.6 ° (our tests result)
Optical zoom:	x 33 (manufacturer data) x 22 (our tests result)
Digital zoom:	x 12
S/N ratio:	52 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
Rotation speed (manual control):	0.1 °/s ... 120 °/s (horizontal) 0.1 °/s ... 300 °/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:	• ICR - Movable InfraRed filter • WDR - Wide Dynamic Range • 512 x Sense-UP - (Slow Shutter) - Increase the sensor sensitivity • DNR - Digital Noise Reduction • HLC - High Light Compensation (spot) • EZOOM - Digital Zoom off • 4 Configurable Privacy Zones • AGC - Automatic Gain Control • BLC - configurable Back Light Compensation • WB - White Balance (ATW/AWB/manual/indoor/outdoor) • Day/Night mode (color/b&w/auto) • AutoFocus, AutoIris • Sharpness - sharper image outlines • Mirror - Mirror image • Smart Zoom - Auto zoom in case of detect the motion • 8 motion detection zones • Auto Flip - auto-rotates the camera during "tilt" type moving
Power supply:	~ 24 V AC / 2 A (power adapter included)
"Index of Protection":	IP66
Operation temp:	-20 °C ... 50 °C
Weight:	4.05 kg
Dimensions:	Camera Ø 230 x 310 mm Bracket 267 x 168 x 109 mm
Supported languages:	English, Spanish
Guarantee:	2 years

PRESENTATION

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

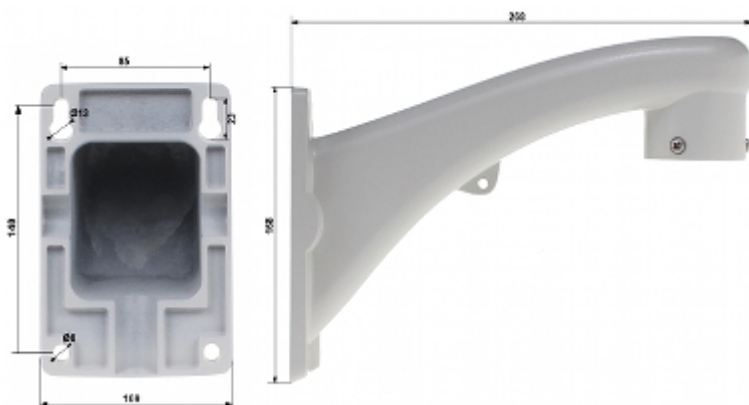


In the kit:

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Bracket dimensions:



Comparison the dimensions of the following cameras: PH-23/PH-33, PH-37, PH-10H:



OUR TESTS

Camera image at artificial illumination (about 30Lux):



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Camera image at direct strong light opposite to camera:

BLC on:



BLC on:



HLC on:



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, Auto Zoom.
- ICR filter - perfect colors reproduction in daylight and external IR illuminators support.
- Very solid construction.



- The weight of the camera is relatively large.

PACKAGE

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