

Code: DH-HAC-HFW2231BP-036

# AHD, HD-CVI, HD-TVI, PAL CAMERA **DH-HAC-HFW2231BP-036** 0B - 1080p 3.6 mm DAHUA

Net: **94.87 EUR** Gross: **94.87 EUR**

Megapixel camera with 1/2.8" CMOS sensor and AHD / HD-CVI / HD-TVI / PAL.

Thanks to the "Starlight" technology used, the camera only needs very low lighting to obtain a clear color image.

The AHD / HD-CVI / HD-TVI interface allows to transmission of analog video signal via coaxial cable in 1080p resolution. 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.

Attention! The camera default setting is HD-CVI standard. To change the camera standard you need use the PFM820 controller, available separately.

Camera is according to IP67 Index of Protection norm.



## SPECIFICATION

|                                  |                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------|
| Standard:                        | AHD, HD-CVI, HD-TVI, PAL                                                                                   |
| Sensor:                          | 1/2.8 " Progressive Scan CMOS                                                                              |
| Matrix size:                     | 2.1 Mpx                                                                                                    |
| Resolution:                      | 1920 x 1080 - 1080p AHD, HD-CVI, HD-TVI ,<br>1280 x 720 - 720p AHD, HD-CVI, HD-TVI<br>960 x 576 - 960H PAL |
| Video output:                    | AHD / HD-CVI / HD-TVI / PAL - 1 Vpp / 75 Ω                                                                 |
| OSD menu:                        | ✓                                                                                                          |
| Lens:                            | 3.6 mm                                                                                                     |
| View angle:                      | • 87 ° (manufacturer data)<br>• 85 ° (our tests result)                                                    |
| S/N ratio:                       | > 65 dB                                                                                                    |
| Range of IR illumination:        | 50 m                                                                                                       |
| IR illuminator power adjustment: | Automatic                                                                                                  |

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|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main features:         | <ul style="list-style-type: none"> <li>• WDR - 120 dB - Wide Dynamic Range</li> <li>• Sense-UP - (Slow Shutter) - Increase the sensor sensitivity</li> <li>• F-DNR (Defog) - Reduction of image noise caused by precipitation</li> <li>• 2D-DNR, 3D-DNR - Digital Noise Reduction</li> <li>• BLC - Back Light Compensation</li> <li>• HLC - High Light Compensation (spot)</li> <li>• ICR - Movable InfraRed filter</li> <li>• AGC - Automatic Gain Control</li> <li>• Auto White Balance</li> <li>• Privacy zones</li> <li>• Motion Detection</li> <li>• Mirror - Mirror image</li> <li>• Sharpness - sharper image outlines</li> </ul> |
| Power supply:          | 12 V DC / 320 mA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power consumption:     | ≤ 3.9 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Housing:               | Compact, Aluminum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Color:                 | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| "Index of Protection": | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Operation temp:        | -40 °C ... 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Weight:                | 0.62 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Dimensions:            | 242 x 90 x 90 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Manufacturer / Brand:  | DAHUA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Guarantee:             | <b>3 years</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## PRESENTATION

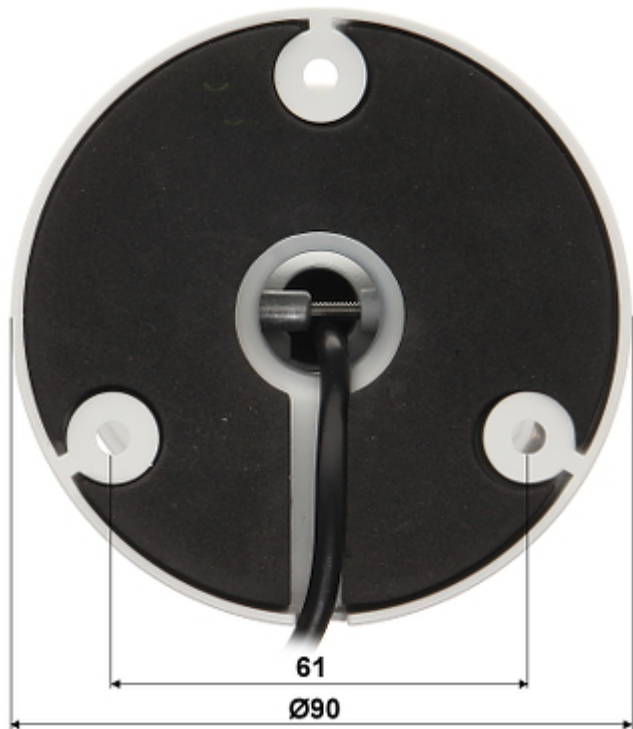
Front view:



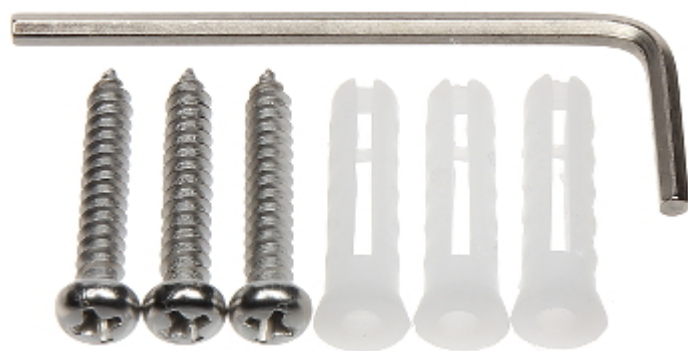
Side view:



Camera mounting side view:



In the kit:



## OUR TESTS

AHD:

Camera image at artificial illumination (about 30Lux):



Camera image at night conditions with internal built-in IR illuminator on:



Camera image at direct strong light opposite to camera:



HD-CVI:

Camera image at artificial illumination (about 30Lux):



Camera image at night conditions with internal built-in IR illuminator on:





Camera image at direct strong light opposite to camera:



HD-TVI:

Camera image at artificial illumination (about 30Lux):



Camera image at night conditions with internal built-in IR illuminator on:



Camera image at direct strong light opposite to camera:



## OUR OPINIONS



- Thanks to the "Starlight" technology used, the camera only needs very low lighting to obtain a clear color image.

## PACKAGE

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

