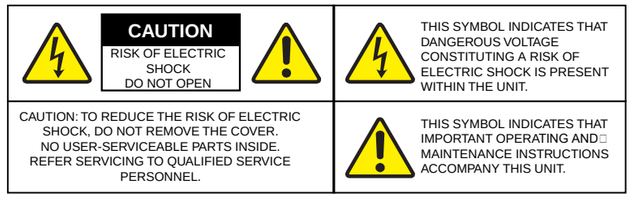
Honeywell
THE POWER OF CONNECTED | Performance Series IP

HBW4PGR1 WDR 4MP IR Bullet Camera

Quick Installation Guide

Thank you for purchasing a Honeywell Performance Series IP camera. Follow the instructions in this guide to install and log in to your camera. For instructions on configuring the camera, refer to the user guide on the CD that came with your camera. If you require additional assistance, call the number listed for your region on the back cover.

Cautions and Warnings



WARNING To ensure compliance with electrical safety standards, this product is intended for use with a Listed Power Adapter marked “Limited Power Source” or “LPS” on the unit, output rated to 12 VDC, minimum 0.33 A, TMA=60 deg C, or from Power over Ethernet (PoE) provided by Listed Information Technology Equipment meeting IEEE 802.3af PoE standard.

CAUTION The Ethernet connection is not intended to be connected to exposed (outside plant) networks. Do not connect two power sources to the camera at the same time.

CAUTION Invisible LED radiation (850 nm). Avoid exposure to beam.

Important Safeguards

- Read and keep these instructions.
- Confirm the installation surface can support at least three times the weight of the camera.
- Do not aim the camera toward a bright light source for extended periods to prevent damage to the imager.
- Avoid operating the unit under or close to unstable light sources (may cause flickering), or close to fluorescent lamps or objects reflecting light.
- Do not touch the camera lens.
- Do not drop the camera or subject it to physical shock.
- Do not use a strong or abrasive detergent when cleaning the camera.
- Avoid operating or storing the unit in extremely humid, dusty, hot/cold environments, where the operating temperature is outside the recommended range of -22°F to 140°F (–30°C to 60°C).
- Do not apply power to the camera before completing installation.

Before You Begin

Before you begin, check that you have received all of the parts listed below. If any parts are missing or damaged, contact your dealer immediately.

- Camera
- Installation CD
- Quick installation guide
- Allen key (L-wrench)
- Self-tapping screws (×4)
- Plastic wall anchors (×4)
- Mounting template

CAUTION **Installation and servicing should be performed only by qualified and experienced technicians to conform to all local codes and to maintain your warranty.**

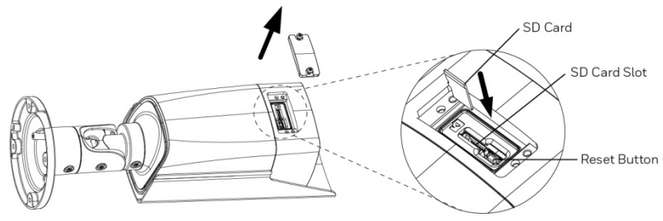
Preparing the Mounting Surface

1. Apply the mounting template to the mounting surface.

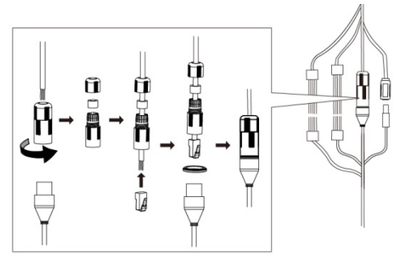
   Note Observe the orientation of the cable exit notch on the bracket base. In outdoor installations, the notch should point downward to prevent water from entering the camera housing.
2. Using the mounting template as a guide, drill four pilot holes in the mounting surface, then hammer the supplied anchors into the holes.
3. Drill a cable entry hole in the mounting surface, then pull the required cables through the hole.

Mounting and Aiming the Camera

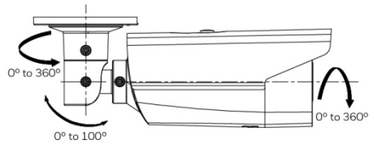
1. If you are using a microSD card with the camera, install it before continuing. To access the microSD card slot, remove the panel on the underside of the camera and insert a microSD card into the microSD card slot (refer to the picture below).



   Note Press and hold the reset button abouts **10s** when the camera is power on or rebooting to restore the default settings, including the user name, password, IP address, port NO., ect.
2. Connect one end of the Ethernet cable to the RJ-45 port on the camera.
3. If the other end of the Ethernet cable is NOT connected to a PoE switch or NVR, connect the power connector of the camera to a 12 VDC power source.
4. If the camera is installed outdoor, you can adapt the water-proof accessory for the network cable after the camera is secured on the installation surface (refer to the picture on the right).
5. Attach the camera assembly to the mounting surface using the supplied screws.



6. Using the supplied Allen key, loosen the locking screws on the mounting bracket arm, point the camera in the desired direction by rotating the camera body and mounting bracket arm, then tighten the screws (refer to the picture on the right).
7. Refer to the following figure and table for external cable functions.



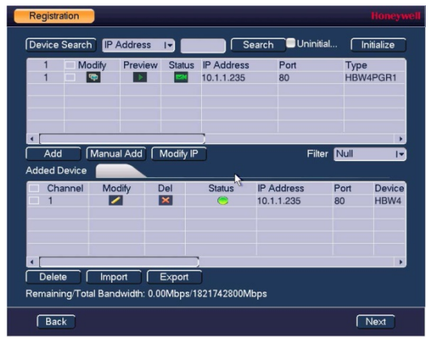
	Power	12 V DC
	Network	RJ-45
	Alarm	Alarm GND Alarm OUT Alarm GND Alarm IN
	Audio	Audio GND Audio OUT Audio GND Audio IN

Logging On to the Camera

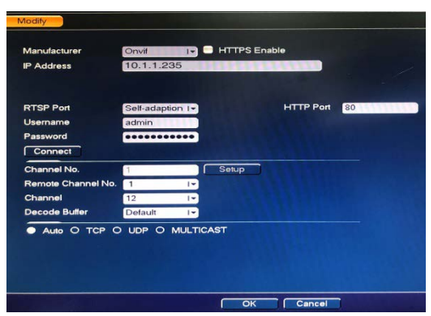
If the camera is connected to the PoE port of a Honeywell Embedded NVR, it can be configured using the NVR.

To log on remotely from a PC, install the Honeywell Config Tool from the software and documentation CD, find the camera on the network, and then open the web browser with the Honeywell Config Tool. The default user name is **admin** (case-sensitive) and the default password is **1234**.

Note
- Only Internet Explorer 11 (or later) is supported.
- IP address of the device is assigned automatically by **DHCP** server. If the DHCP server is not available, the device will acquire **192.168.1.108** as the default IP address.



1. To add the camera to NVR, right-click the live window on main screen of NVR→Registration.
2. Click **Device Search**. Check the camera on Device Search panel and click **Add.**
3. Click Modify icon on Added Device panel.



4. Select manufacturer as “Onvif” and enter the password.

Recommended Recorders

HEN*4	8/16/32/64-channel Focus 4K NVRs (H.264 and H.265)
HEN*3	4/8/16/32-channel Performance Series NVRs (H.264 and H.265)
HRHT4*	4/8/16-channel 4 MP HQA/IP/CVBS Hybrid DVRs (H.264)

Note Make sure to use ONVIF protocol to integrate with NVR/DVR.

Regulatory Statements

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

This Class B digital apparatus complies with Canadian ICES-003.

Manufacturer’s Declaration of Conformance

North America The equipment supplied with this guide conforms to UL 60950-1 and CSA C22.2 No. 60950-1.

Europe The manufacturer declares that the equipment supplied is compliant with the European Parliament and Council Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (2011/65/EU), General Product Safety Directive (2001/95/EC), and the essential requirements of the EMC directive (2014/30/EU), conforming to the requirements of standards EN 55032 for emissions, EN 50130-4 for immunity, and EN 62368-1 for electrical equipment safety.

WEEE (Waste Electrical and Electronic Equipment)

Correct disposal of this product (applicable in the European Union and other European countries with separate collection systems). This product should be disposed of, at the end of its useful life, as per applicable local laws, regulations, and procedures.

Honeywell

2700 Blankenbaker Pkwy, Suite 150
Louisville, KY, 40299, USA
www.honeywell.com/security
+1 800 323 4576
(North America only)

Aston Fields Road, Whitehouse Industrial
Estate Runcorn, Cheshire, WA7 3DL, UK
www.honeywell.com/security/uk
+1 44 (0) 1928 754 028
(Europe only)

Building #1, 555 Huanke Road, Zhang Jiang Hi-Tech Park
Pudong New Area, Shanghai, 201203, China
www.asia.security.honeywell.com
+400 840 2233
(Asia Pacific only)

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