DW

Quick Start Guide

MEGAPIXEL AI
cloudcam

DWC-V5BA08MPIC	4K bullet IP camera with AI, x1 storage size
DWC-V5BA05LPIC	5MP bullet IP camera with ALPR, x1 storage size
DWC-V5BA05MLPIC	5MP bullet IP camera with ANPR, x1 storage size

IP67 Rated

LISTED

Default login information: admin | admin

When logging into the camera for the first time, you will be prompted to set up a new password. You can set the new password using the DW IP Finder™ software or directly from the camera's browser menu.

WHAT'S IN THE BOX

Star Wrench (T-20) for Tilting Adjustment	1 Set	Star Wrench (T-20) for Tilting Adjustment	
Tool Monitor Cable	1 Set	Moisture Absorber and Waterproof Gasket	Set of 2
Screws and Plastic Anchors (4pcs)	1 Set	Waterproof Gasket and Rubber Plug (Spare Part for Ethernet Jumper), White and 18" (optional)	1 Set
Pad Injection and Power Cable Separation	1 Set	Quick Setup and Download Guide	1 Set
Mounting Template	1 Set		

NOTE: Download all your support materials and tools in one place

1. Download the **DW IP Finder software** from **digital-watchdog.com/resources**
2. Search your product by entering the part number in the **'Search by Product'** search field. Select your product from the search results and download/install based on the part number you selected.
3. Click **'Search'** All supported materials, including manuals and quick start guides (QSGs) will appear in the results.

Attention: This document is intended to serve as a quick reference for the initial set-up. It is recommended that the user read the entire instruction manual for complete and proper installation and usage.

SAFETY AND WARNING INFORMATION

Read through this installation guide carefully before installing the product. Keep the Installation Guide for future reference. Do not attempt to disassemble the product. Do not make any changes or modifications to the product. These instructions are intended to ensure that users can use the product correctly to avoid danger or property loss. Failure to follow these instructions may lead to fire, electric shock, or injury to people.
Cautions injury or equipment damage may occur if any of the cautions are neglected.

WARNING

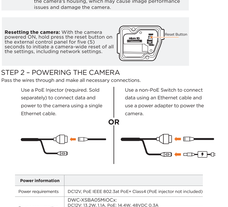
1. Prior use of the product, you must be strict compliance with the electrical safety regulations of the nation and region. Use the product in accordance with the rated voltage. The device shall be firmly fixed.
2. Be sure to use only the standard adapter specified in the specification sheet. Using any other adapter could cause fire, electrical shock and damage to this product.
3. Make sure the power supply voltage is correct before using the camera.
4. Incorrectly connecting the power supply or replacing the battery may cause an explosion, fire, electric shock, or damage to the product.
5. Do not cover the camera. Doing so is a single action. Exceeding the capacity may cause excessive heat and lead to fire.
6. Securely plug the power cord into the power source. An inexact connection may cause a fire.
7. Do not place conductive objects (e.g. screwdrivers, coins, metal items, etc.) or containers filled with water or cup of the camera. Doing so may cause fire or electric shock, for falling objects.
8. Do not install in humid, dusty, or sooty locations. Doing so may cause fire or electric shock.
9. Do not place the unit in a location where it is subject to strong vibration or shock. Do not place other products (including amplifiers) that produce heat.
10. Do not place the unit in a high or low temperature environment. It may cause fire.
11. If any unusual smells or smoke come from the unit, stop using the product at once. Immediately disconnect the power source and contact your distributor or the closest service center. Continuing to operate the product may lead to fire.
12. If this product fails to operate normally, contact the nearest service center. Never disassemble or change this product in any way.
13. If installing the product, do not spray water directly onto parts of the product. Doing so may cause fire or electric shock.

CAUTION

1. Do not expose optics gear when installing and wiring the product.
2. Do not drop objects on the product or apply strong shock to it. Keep away from a location subject to excessive vibration or magnetic interference.
3. Do not aim the camera at the sun.
4. The product shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product.
5. Avoid aiming the camera directly towards extremely bright objects such as the sun, as this may damage the image sensor.
6. The Plain plug is used as a disconnect device and shall stay readily operable at any time.
7. Remove the power adapter from the outlet when then there is lightning. Neglecting to do so may cause fire or electric shock.
8. Do not block any ventilation openings. Install following the manufacturer's instructions.
9. A polarized or grounding type plug is recommended for this product. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. If the provided plug does not fit into your outlet, consult an electrician for assistance.
10. Do not place this product in locations that could be exposed particularly at plug, convenience receptacles, and the point where they exit from the product.
11. If the surface of the protective window of the product, make sure the surface of the sensor is not exposed to the laser beam as that may damage the sensor module.
12. If you want to move the already installed product, be sure to turn off the power and then move or reinstall it.
13. Use only attachments/accessories specified by the manufacturer. Use of any unspecified or the installer and/or service operation.
14. If cleaning is necessary, please use a clean cloth to wipe it gently. If the device will not be used for a long time, disconnect the power source to avoid damage from lightning.
15. Do not touch the camera's lens or sensor module with fingers. If cleaning is necessary, please use a clean cloth to wipe it gently. If the device will not be used for a long time, please cover the lens cap to protect the device from dust.
16. Do not dismantle the product for fear of electric shock and injury.
17. Always use hardware (eg. screws, anchors, bolts, locking nuts, etc.) compatible with the mounting surface and of sufficient length and construction to ensure a secure mount.
18. Use only the power cord, battery, and other accessories from the manufacturer, or sold with the product.
19. Dispose of the product with care and in accordance with the relevant laws and regulations. Do not burn or mix batteries with other trash.
20. Refer all servicing to qualified service personnel. Servicing is needed when the product has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or small objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.

STEP 1 - PREPARING TO MOUNT THE CAMERA

1. For the installation process, remove the sun-shield cover as needed.
2. Install the new moisture absorber and waterproof gasket:
   a. Remove the moisture absorber from the camera's control panel. Use the T-10 star wrench included with the camera to open the control panel.
   b. Remove the new moisture absorber packet from the packaging and fold it diagonally along the dotted line as shown below.
   c. Place the moisture absorber packet under the camera's SD card slot.
3. Using the mounting template sheet or the camera itself, mark and drill the necessary holes in the wall or ceiling.



NOTE: The camera will generate enough heat to dry moisture during normal operation. In cases where the camera experiences a temporary leak, keep the moisture absorber in the camera.

WARNING: Install the moisture absorber when mounting the camera. The moisture absorber prevents moisture buildup inside the camera's housing, which may cause image performance issues and damage the camera.

Resetting the camera: With the camera powered ON, hold press the reset button on the camera for approximately 10 seconds to initiate a camera-wide reset of all the settings, including network settings.

STEP 2 - POWERING THE CAMERA

Pass the wires through and make all necessary connections.

Use a PoE Injector (Sold separately) to connect data and power to the camera using a single Ethernet cable.

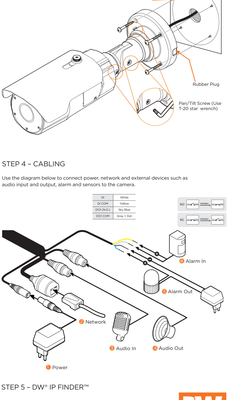
OR

Use a non-PoE Switch to connect data using an Ethernet cable and use a power adapter to power the camera.

Power Information	
Power requirements	DC12V, PoE IEEE 802.3at PoE+ Class4 (PoE injector not included)
Power consumption	DWC-V5BA08MPIC: DC12V, 2.1A; PoE: 14.4W, 48VDC 0.3A DWC-V5BA05LPIC/MLPIC: DC12V, 2.0A; PoE: 14.8W, 48VDC 0.3A
Maximum distance	328' (100m)
Connector	RJ45

WATERPROOF CAP INSTALLATION

The camera must be set comes with two rubber rings. Use the rubber ring best sized for your network cable's diameter.



NOTE: Cables with ø4.5mm to ø5.5mm thickness should use the black rubber ring. Cables over ø5.5mm in thickness should use the white rubber ring.

NOTE: To ensure moisture seal, make sure the o-ring ⓒ is in place between ⓓ and ⓔ. In extreme environments use of an outdoor rated sealant is recommended.

STEP 3 - INSTALLING THE CAMERA

1. Mount the camera to the mounting surface and secure using the screws and anchors included. If you are mounting the camera directly on the mounting surface, with no mounting accessory, remove the rubber plug on the side of the camera's bracket and use the gap as a cable guide.

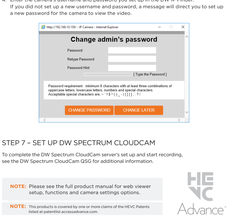
NOTE: When setting up the camera for the first time, use the CALIBRATE button on the camera's web GUI to auto calibrate the camera's lens before operation.

2. Loosen the three (3) pan and tilt screws at the base of the camera's bracket to adjust the camera's view and position.
3. Remove the protective film from the lens cover. Softly wipe the dome/lens cover with lens tissue or a microfiber cloth with ethanol to remove any dust or smudges left from the installation process.

STEP 4 - CABLING

Use the diagram below to connect power, network and external devices such as audio input and output, alarm and sensors to the camera.

1V	White
2V-GND	Black
3V+	Red
4V-GND	Gray + Pink



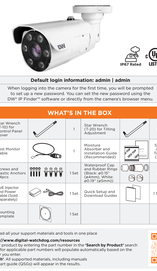
STEP 5 - DW™ IP FINDER™

1. Download and install the DW IP Finder from the DW website at: http://www.digital-watchdog.com
2. Open the DW IP Finder and click 'Scan Devices' to find the camera on the network.
3. A password must be set when connecting to the camera for the first time.
   a. Check the box next to the camera.
   b. Click 'Bulk Password Assign' on the left.
   c. Enter admin/admin for the current username and password. Enter a new username and password to the right.
   Password must have at least eight (8) characters and at least four (4) combinations of uppercase and lowercase letters, numbers and special characters. Passwords cannot contain the user ID.
   d. Click "change" to apply all changes.

STEP 6 - WEB VIEWER

The GUI display may differ by camera models.

1. Find the camera using the DW IP Finder.
2. Double-click on the camera's view in the results table.
3. Press the 'View Camera Website'.
4. Enter the camera's username and password you set up in the DW IP Finder.
   If you did not set up a new username and password, a message will direct you to set up a new password for the camera to view the video.



STEP 7 – SET UP DW SPECTRUM CLOUDCAM

To complete the DW Spectrum CloudCam server's set up and start recording, see the DW Spectrum CloudCam QSG for additional information.

NOTE: Please see the full product manual for web viewer setup, functions and camera settings options.

NOTE: This products is covered by one or more claims of the HEVC Patents listed at patentlist.accessadvance.com.

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Technical Support Hours: 9:00AM – 8:00PM EST, Monday through Friday
digital-watchdog.com

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