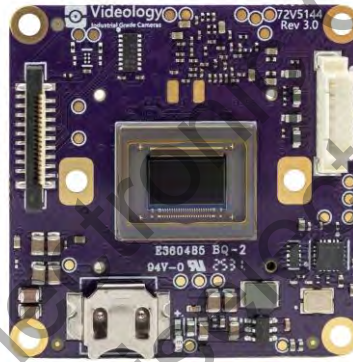


DEV-801-IP-678-1HC0DC

800 Series IP Camera Development Kit

Quick Start Guide

Revision A



Videology Industrial-Grade Cameras

Over 1 Million Cameras Worldwide

At Videology, we specialize in meeting the customized specification requirements of OEMs, large-scale integrators and other partners, which have resulted in the delivery of over 1 million embedded cameras worldwide. We are an ISO 9001-certified company headquartered in Mansfield, Massachusetts.

Our Brand Difference

Our deep commitment to the customer experience delivers performance excellence throughout the entire customer journey. This is Videology's brand difference and it's our company's most important priority in serving the needs of our customers across the globe.

Our Brand Promise

How do we support our brand difference? We do so with a sincere promise we make to every Videology customer as follows: We provide competence, attention to detail and personal care with a level of excellence that will delight every customer in every interaction. This is Videology's brand promise and it's been the key to our growth and success – from a small start-up more than 30 years ago to a global leader in today's imaging industry.

1. Prior to Using

Videology reserves the right to modify the information in this document as necessary and without notice. It is the user's responsibility to be certain they possess the most recent version of this document by going to <https://www.videologyinc.com/>, searching for the model number, and comparing revision letters on the respective document, located in the document's footer.

1.1. License Agreement (Software)

This Agreement states the terms and conditions upon which Videology Industrial-Grade Cameras (hereafter referred to as "Videology") offer to license to you the software together with all related documentation and accompanying items including, but not limited to, the executable programs, drivers, libraries, and data files associated with such software.

The Software is licensed, not sold, to you for use only under the terms of this Agreement.

Videology grants you, the purchaser, the right to use all or a portion of this Software provided that the Software is used only in conjunction with Videology's family of products.

In using the Software, you agree not to:

- Decompile, disassemble, reverse engineer, or otherwise attempt to derive the source code for any Product (except to the extent applicable laws specifically prohibit such restriction);
- Remove or obscure any trademark or copyright notices.

1.2. Limited Warranty (Hardware and Software)

ANY USE OF THE SOFTWARE OR HARDWARE IS AT YOUR OWN RISK. THE SOFTWARE IS PROVIDED FOR USE ONLY WITH VIDEOLOGY'S HARDWARE. THE SOFTWARE IS PROVIDED FOR USE "AS IS" WITHOUT WARRANTY OF ANY KIND, TO THE MAXIMUM EXTENT PERMITTED BY LAW, VIDEOLOGY DISCLAIMS ALL WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, QUALITY AND FITNESS FOR A PARTICULAR APPLICATION OR PURPOSE. VIDEOLOGY IS NOT OBLIGATED TO PROVIDE ANY UPDATES OR UPGRADES TO THE SOFTWARE OR ANY RELATED HARDWARE.

1.3. Limited Liability (Hardware and Software)

In no event shall Videology or its Licensors be liable for any damages whatsoever (including, without limitation, incidental, direct, indirect, special or consequential damages, damages for loss of business profits, business interruption, loss of business information, or other pecuniary loss) arising out of the use or inability to use this Software or related Hardware, including, but not limited to, any of Videology's family of products.

2. Warnings and Safeguards

Read instructions before operating the camera



- Please read/follow all instructions and read all warnings before operating the camera.
- Installation and servicing should only be done by Qualified Service and Installation Personnel.
- Installation shall be done in accordance with all local and national electrical and mechanical codes.
- Avoid mounting in direct sunlight.
- To reduce the risk of fire or electric shock, do not expose this appliance to rain, water or wet locations.
- If the camera is to be mounted outdoors a secondary waterproof enclosure should be used.

2.1. Precautions

- Do not put objects inside the unit. Make sure that no metal objects or flammable substances get inside the camera. It could cause fire, short-circuits or damage.
- Be careful when handling the unit.
- To prevent damage, do not drop the camera or subject it to strong shock or vibration.
- Install away from electric or magnetic fields.
- Protect the camera from humidity, dust and high temperatures.
- Be careful when installing it close to the ceiling, in a kitchen or boiler room, as the temperature may rise to high levels.
- Cleaning - Dirt can be removed from the cabinet only by wiping it with a soft cloth moistened with a soft detergent solution.
- Mounting Surface - The mounting surface material must be strong enough to secure the camera.
- Avoid viewing a very bright object (such as light fittings) during an extended period.

2.2. Care of the Unit

- Remove dust or dirt on the surface of the lens with a blower (commercially available).
- Avoid the use of volatile solvents such as thinners, alcohol, benzene and insecticides. They may damage the surface finish and/or impair the operation of the camera.
- Be careful not to spill water or other liquids on the unit.

2.3. Operating and Storage Location

- Consult the datasheet of the camera for temperature limits and guidance.
- Avoid damp or dusty places.
- Avoid places exposed to rain.
- Avoid places subject to strong vibration.
- Avoid places close to generators of powerful electromagnetic radiation such as radio or TV transmitters.
- If the product is to be put out of operation definitively, take it to a local recycling plant for disposal which is not harmful to the environment.





3. Document History & TOC

Document History

Revision	Issue Date	Reason
Rev A	12/10/2025	Initial release

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4. Description

The 800 Series IP Camera is a 4K camera with an IP network interface. The development kit for 801-IP-678 (DEV-801-IP-678-1HC0DC) contains the necessary accessories to evaluate the camera. A network with a DHCP server will be required to access the camera in this development kit.

5. Contents

The development kit for 801-IP-678 (DEV-801-IP-678-1HC0DC) includes the following items:

- **8 MP IP Camera** Sony IMX678, Low M12 Lens Mount 10 mm with Heatsink, Color, No IR Filter, Direct Current (801-IP-678-1HC0DC)
- **Connector Cable for Power and Ethernet** (60C5030)
- **120 VAC to 12 VDC Wall Mount Multi Plug Adapter** (60C5031)
- **3.5 mm M12 Lens** (M12-035-F22-8-VS)
- **5.5 mm M12 Lens** (M12-055-F24-12-VS)
- Lock Ring/Spring
- **SD Card Interface Board** (72V5145 rev2)
- **SD Card Interface Board Cable** (72V5153)
- GPIO Cable (60C5045)
- Allen Key





6. Connections

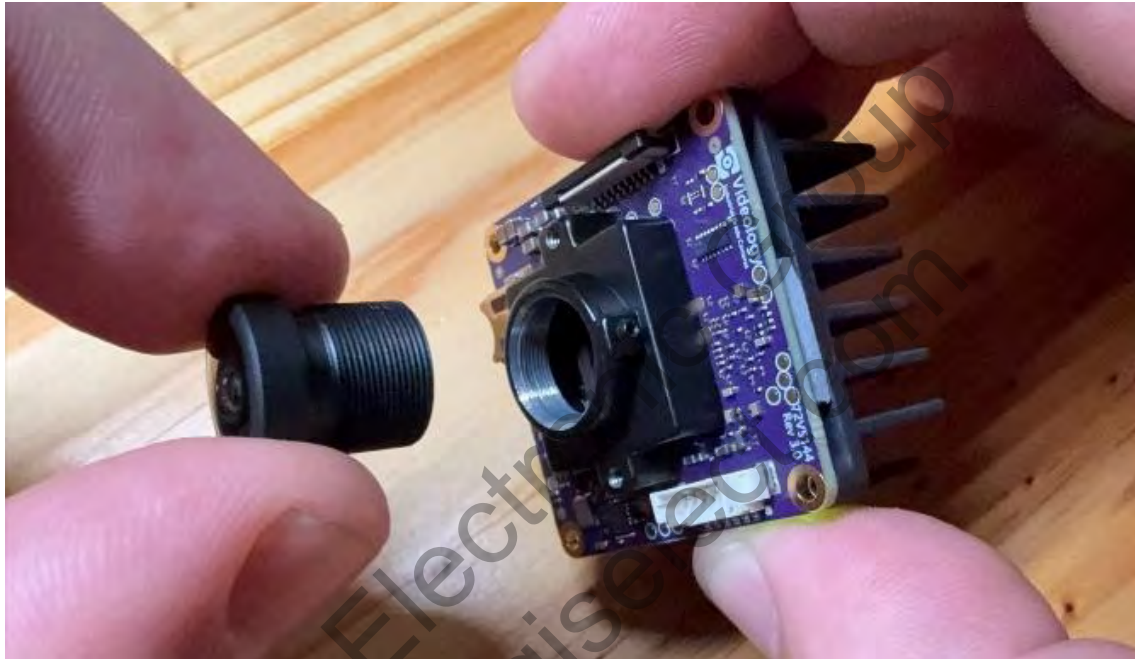


- Connect the camera to the network using the RJ45 connector on the back of the camera.
- Plug the DC power supply into the power outlet and connect the barrel connector to the camera.
- To use the SD card interface board, connect the SD card interface board (P/N 72V5145 rev2) to the camera using the SD card interface cable (P/N 72V5153).

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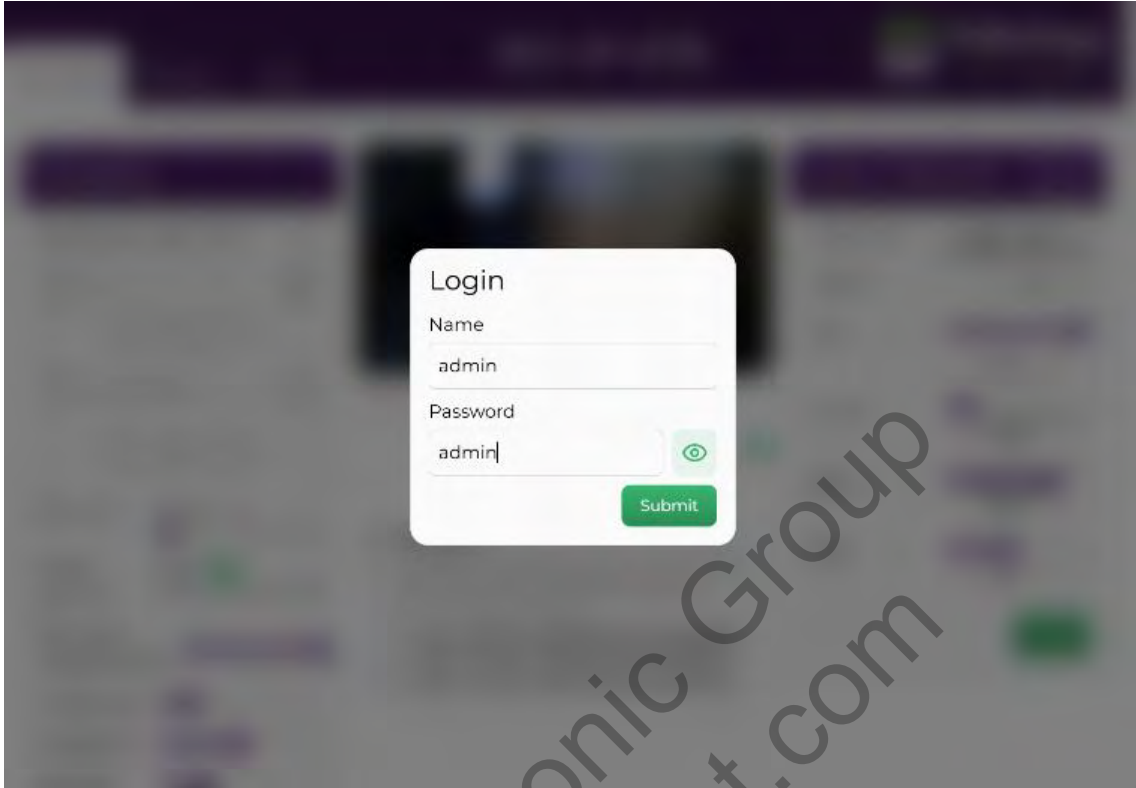
7. Lens Mount

- Select the desired lens. Lens options include a 3.5 mm lens (P/N M12-035-F22-8-VS) with a wider field of view, or a 5.5 mm lens (P/N M12-055-F24-12-VS) with a narrower field of view.
- Remove the red dust cap.
- Thread the selected lens into the lens mount and rotate it to achieve proper focus. Once focus is set, use the Allen key to gently tighten the lens retention set screw.



8. Accessing the Camera

- The 800 Series IP camera is a DHCP-enabled device. Connect the camera to a network with an active DHCP server.
- Scan the network to identify the camera's assigned IP address. For assistance with network configuration, contact your IT department.
- Open a web browser and enter the camera's IP address into the address bar.



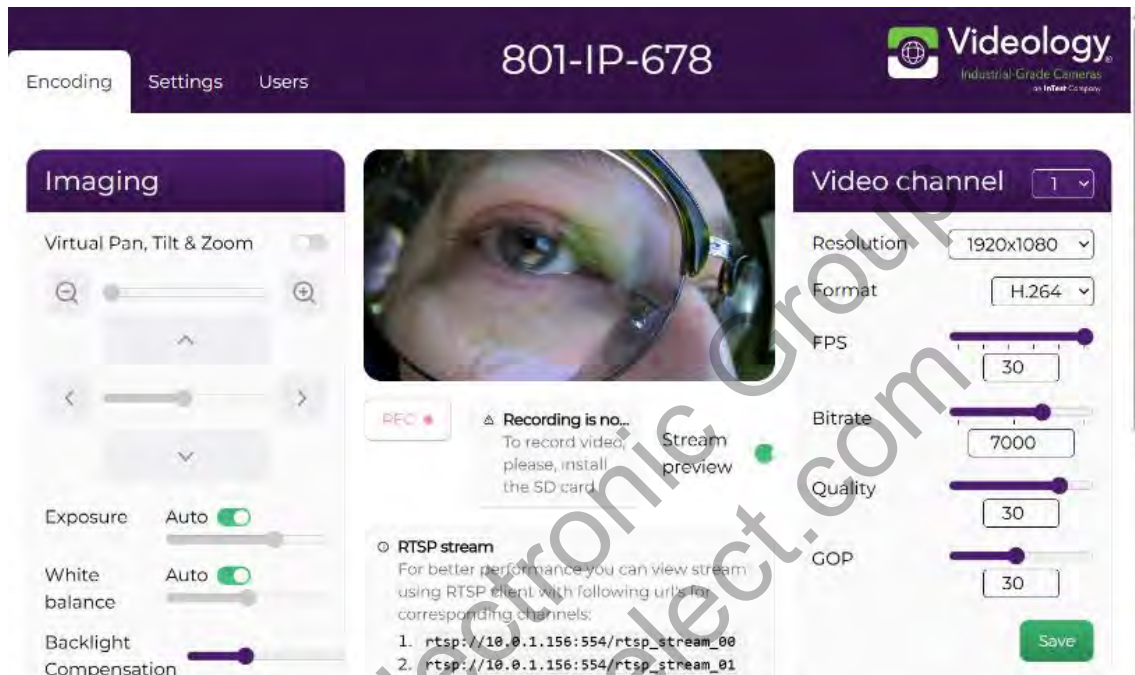
- When prompted, enter the login credentials:

Default Username: admin

Default Password: admin

9. User Interface

The camera is now connected to the network and ready for configuration through the web-based user interface. For additional configuration details, refer to the **Web Interface** section on the 801-IP-678 User Guide.



10. Support

10.1. Videology Help Center

Videology Help Center is your go-to resource for all Videology product support questions. The answer to your question may be at your fingertips. Please see the [Videology Help Center](#) for valuable information and resources.

10.2. Contact Videology Support

If you need any support on DEV-801-IP-678-1HC0DC product, please fill out the form here to contact our support department:

<https://www.videologyinc.com/contact-videology-service>

10.3. Videology RMA Policy

To learn more about our Return Material Authorization (RMA) policy, please visit the RMA Policy page on our website: <https://www.videologyinc.com/return-authorization>

10.4. Videology Terms and Conditions of Sale

Our global sales terms and conditions can be found on [this link](#).



Excellence in Imaging Solutions for Over 30 Years

Videology is a global leader in the design, engineering, and manufacturing of industrial-grade embedded cameras and related imaging solutions. For more than 30 years, our cameras have been embedded into systems across the globe, interacting with millions of people on a daily basis. Driven by a commitment to quality and innovation, we provide customized imaging solutions tailored for diverse and demanding applications—bringing excellence to every interaction.



Videology®

Industrial-Grade Cameras

an **InTest** Company

