

INSWAN INS-1

INSWAN INS-1 USB Document Camera User Manual

Model: INS-1 | Brand: INSWAN

1. INTRODUCTION

The INSWAN INS-1 USB Document Camera is a versatile and high-performance imaging device designed for various applications, including distance learning, remote teaching, web conferencing, and live demonstrations. It features an 8-megapixel Ultra HD SONY sensor, auto-focus capabilities, and a built-in LED light to ensure clear and vibrant visuals.




Figure 1: Front view of the INSWAN INS-1 USB Document Camera.


This manual provides essential information on setting up, operating, and maintaining your INS-1 document camera to ensure optimal performance and longevity.

2. WHAT'S IN THE BOX

Upon unboxing your INSWAN INS-1 Document Camera, please verify that all the following components are included:

- INSWAN INS-1 USB Document Camera with attached USB-A cable
- User Guide (this manual)
- Anti-glare sheet
- Microscope adapter





INS-1 Tiny 8MP USB Document Camera with Auto-Focus and LED Supplemental Light

Our products come with a two-year warranty from the date of purchase.

Flicker: ☒ 50Hz ☐ 60Hz Made in Taiwan.

INS-1 Petit appareil photo numérique USB 8MP pour documents avec mise au point automatique et lumière supplémentaire LED

Nos produits bénéficient d'une garantie de deux ans à compter de la date d'achat.

Vibrant: ☒ 50Hz ☐ 60Hz Fabriqué à Taiwan.

INS-1 Kleine 8MP USB document camera met autofocus en LED lamp

Big aashoop van onze producten komt 2 jaar garantie.

Frequentie: ☒ 50Hz ☐ 60Hz Ontworpen en geproduceerd in Taiwan.

INS-1 Camara pequena de documentos USB con autofocus y luz LED suplementaria

Nuestros productos vienen con una garantía de dos años a partir de la fecha de compra.

Parpadeo: ☒ 50Hz ☐ 60Hz Hecho en Taiwan.

INS-1 Winzigge 8MP USB-Dokumentencamera mit Autofokus und LED-Zusatzlicht

Auf unsere Produkte gewähren wir eine zweijährige Garantie ab Kaufdatum.

Flimmern: ☒ 50Hz ☐ 60Hz Hergestellt in Taiwan.

INS-1 Piccola fotocamera per documenti USB da 8 MP con messa a fuoco automatica e luce supplementare a LED

I nostri prodotti hanno una garanzia di due anni dalla data di acquisto.

Sferrallo: ☒ 50Hz ☐ 60Hz Fatto in Taiwan.

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INSWAN INS-1 Petite... Les Conférences Web

New

Figure 2: All components included in the INSWAN INS-1 package.

3. SETUP

Follow these steps to set up your INSWAN INS-1 Document Camera:

1. **Position the Camera:** Place the camera on a stable, flat surface. The weighted base ensures stability. Adjust the multi-joint arm to position the camera head over the desired capture area.

2. **Connect to Computer:** Plug the integrated USB-A cable into an available USB port on your PC (Windows 7/8/10/11), Mac (OS10.12 or higher), or Chromebook (38.00 or higher). If your computer only has USB-C ports, a USB-A to USB-C adapter (not included) will be required.
3. **Install Software:** Download and install the latest version of the INSWAN Documate software from the official INSWAN website. This software is essential for accessing all camera features, including digital zoom, image annotation, and recording.
4. **Launch Documate:** Open the INSWAN Documate application. The camera feed should appear automatically.



Figure 3: Connecting the INS-1 camera to a computer via USB-A.

4. OPERATING INSTRUCTIONS

4.1. Basic Operation

- **Power On/Off:** The camera powers on automatically when connected to a powered USB port. Disconnect to power off.
- **Live View:** Once connected and Documate software is running, the camera will display a live feed of the area beneath its lens.

- **Adjusting the Arm:** The multi-joint design allows for flexible positioning. Adjust the arm to capture documents or objects up to 15.74 x 11.81 inches.

4.2. Imaging and Focus

The INS-1 features an 8MP SONY CMOS sensor, providing ultra-high definition images up to 3264 x 2448 pixels and lag-free video streaming at 30 frames per second across all resolutions.



Figure 4: Resolution comparison demonstrating the clarity of 2448p.

- **Auto-Focus:** The camera features an auto-focus lens that quickly shifts focus between objects. Press the 'AF' button on the camera head for quick auto-focus.
- **Macro Feature:** Capture objects as close as 10 cm with crisp detail.
- **LED Light:** Use the built-in LED light for enhanced illumination in challenging lighting conditions. The light has automated exposure control.
- **Anti-Glare Sheet:** Place the included anti-glare sheet over shiny objects or documents to eliminate reflections and improve image clarity.

Quick AutoFocus



Figure 5: Quick Auto-Focus in action.

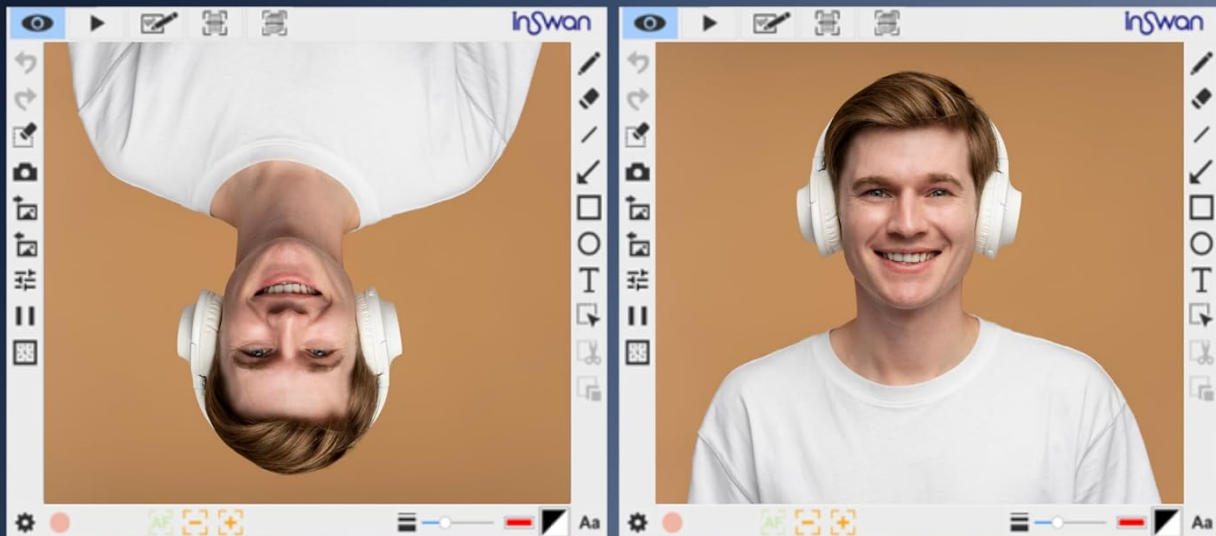
4.3. INSWAN Documate Software Features

The bundled INSWAN Documate software provides a comprehensive suite of tools:

- **Digital Zoom:** Zoom in and out on the live feed.
- **Image Annotation:** Draw, write, and add shapes directly onto the live image or captured snapshots.
- **Image Rotation:** Rotate the image by 180 degrees by pressing two buttons simultaneously on the camera head.
- **Video Recording & Snapshots:** Capture high-quality video and still images for later use.
- **Hue Adjustment:** Fine-tune color settings for optimal display.
- **Whiteboard Feature:** Utilize a digital whiteboard for freeform drawing and note-taking.
- **OCR (Optical Character Recognition):** Perform simple scans with OCR (Available on Mac OS & Windows OS).
- **Barcode/QR Code Scan:** Easily scan barcodes and QR codes (Available on Mac OS & Windows OS).

Image Flip

Press these two buttons simultaneously to flip the image by 180°



Designed & Made in

TAIWAN

Figure 6: Image Flip function.



Documate
application software

Free Download



Windows



Mac OS



iPad OS



Chrome OS



Web Application
(No Installation)



-  **Annotate on live**
-  **Snapshot and Record for future use**
-  **Write or draw on the whiteboard**
-  **Simple scan with OCR**
-  **Image Control:**
digital zoom, image flip and rotation, hue adjustment
-  **Code Scan Mode:**
Easily scan Barcodes / QR codes
(Available Mac OS & Windows OS)
-  **Essential keyboard shortcuts**
(Available Mac OS & Windows OS)
- Tutorial videos provided!**

Figure 7: Overview of INSWAN Documate software features.

4.4. Compatibility

The INS-1 is compatible with a wide range of operating systems and conferencing software:

- **Operating Systems:** PC (Windows 7/8/10/11), Mac (OS10.12 or higher), and Chromebook (38.00 or higher).
- **Web Conferencing Software:** The built-in microphone and camera seamlessly integrate with popular platforms such as Zoom, Microsoft Teams, Google Meet, and others.
- **iPad OS:** Use the Documate App for real-time teaching on iPad (USB-A to USB-C adapter not included).



Figure 8: Compatibility with iPad OS for teaching applications.

5. MAINTENANCE

To ensure the longevity and optimal performance of your INSWAN INS-1 Document Camera, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the camera body and lens. Avoid using abrasive cleaners, solvents, or harsh chemicals, as they may damage the surface or optical components.
- **Storage:** When not in use, store the camera in a clean, dry place away from direct sunlight, extreme temperatures, and high humidity.

- **Handling:** Handle the camera with care. Avoid dropping it or subjecting it to strong impacts, which could damage internal components or the multi-joint mechanism.

6. TROUBLESHOOTING

If you encounter any issues with your INSWAN INS-1 Document Camera, please refer to the following common troubleshooting tips:

- **No Image/Video Feed:**
 - Ensure the USB cable is securely connected to both the camera and your computer.
 - Verify that the INSWAN Documate software is properly installed and running.
 - Try connecting the camera to a different USB port on your computer.
 - Restart your computer and the Documate software.
- **Blurred Image:**
 - Press the 'AF' (Auto-Focus) button on the camera head to re-focus.
 - Ensure the object is within the camera's optimal focus range (minimum 10 cm for macro).
 - Check for any smudges or dust on the camera lens and clean gently with a soft cloth.
- **Poor Lighting:**
 - Activate the built-in LED light on the camera head.
 - Use the provided anti-glare sheet if capturing reflective surfaces.
 - Adjust ambient room lighting to improve visibility.
- **Software Not Responding:**
 - Close and reopen the INSWAN Documate software.
 - Check for available software updates on the INSWAN website.

If the issue persists after trying these steps, please contact INSWAN customer support.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	11.38 x 4.53 x 3.27 inches
Item Weight	1.76 pounds
Item Model Number	INS-1
Manufacturer	INSWAN
Macro Focus Range	10 cm
Shooting Modes	Easy, Macro, Automatic
Exposure Control Type	Automatic
Color	White

Feature	Specification
Video Capture Resolution	1080p, 2448P

8. WARRANTY AND SUPPORT

INSWAN offers various protection plans for your product:

- **2-Year Protection Plan:** Available for extended coverage.
- **3-Year Protection Plan:** Available for extended coverage.
- **Complete Protect:** A monthly plan covering all eligible past and future purchases.


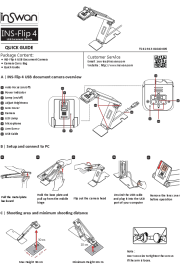
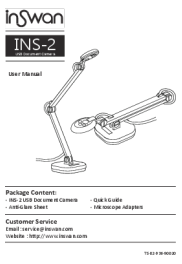
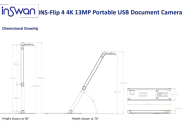
For detailed information on protection plans, please refer to the product's purchase page or contact customer service.

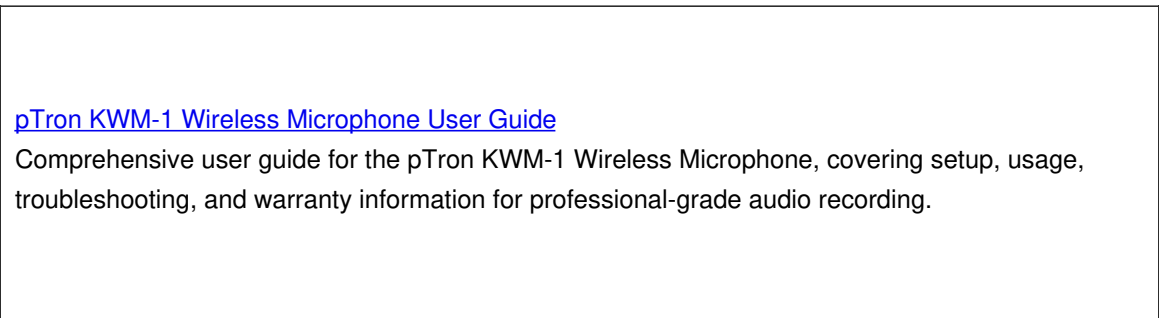
Customer Support

For support and solutions, please contact us at: service@inswan.com
Additional resources, including PDF user guides, are available:

- User Guide (PDF): [Download Here](#)
- User Manual (PDF): [Download Here](#)

Related Documents - INS-1

	<p>inSwan INS-3 USB Document Camera: User Guide and Features</p> <p>Explore the inSwan INS-3 USB Document Camera. This guide covers setup, features, and usage for teaching, conferencing, and document scanning. Learn about the Documate software and product specifications.</p>
	<p>inSwan INS-Flip 4 USB Document Camera Quick Guide</p> <p>Quick guide for the inSwan INS-Flip 4 USB Document Camera, covering setup, software usage, and features for presentations and document scanning.</p>
	<p>inSwan INS-2 USB Document Camera: User Manual and Setup Guide</p> <p>Comprehensive user manual for the inSwan INS-2 USB Document Camera. Learn about its features, setup, basic and advanced operations including microscope connection, and troubleshooting common issues. Includes FCC and CE compliance information.</p>
	<p>InSWAN INS-Flip 4 Document Camera: Dimensional Specifications and Overview</p> <p>Detailed dimensional drawings and specifications for the InSWAN INS-Flip 4 4K 13MP Portable USB Document Camera, including height, width, and length in various configurations.</p>



Comprehensive user guide for the pTron KWM-1 Wireless Microphone, covering setup, usage, troubleshooting, and warranty information for professional-grade audio recording.