

HANMATEK IE02

HANMATEK IE02 Industrial Endoscope User Manual

Model: IE02

INTRODUCTION

The HANMATEK IE02 Industrial Endoscope is a versatile inspection tool designed for detailed visual examinations in hard-to-reach areas. It features a 4.3-inch TFT display, a 16.5ft (5-meter) flexible cable with an 8mm camera, and adjustable LED lights for optimal visibility. This manual provides essential information for the safe and effective use of your endoscope.

Please read this manual thoroughly before operating the device and retain it for future reference.

SAFETY WARNINGS

General Safety Information

- **CHOKING DANGER:** Always keep children away from packaging materials.
- Do not use the product in locations where there is a risk of explosion.
- This product is not suitable for children under 9 years of age or under adult supervision.
- Do not use the product for medical purposes.
- Avoid violent shocks or falls of the product.
- Do not store the product in environments with extreme temperatures or high humidity.

Safety Notes for Batteries

- **RISK OF DEATH!** Keep batteries out of reach from children. In the event of ingestion, seek immediate medical attention.
- May be swallowed, burns, perforation of soft tissue and lead to death. Severe burns can occur within 2 hours of ingestion.
- Do not charge non-rechargeable batteries. Do not disassemble, crush, heat or short-circuit rechargeable batteries and do not open them.
- Do not expose batteries to fire or water.
- **RISK OF EXPLOSION!** Never expose batteries to excessive heat or direct sunlight. Avoid extreme conditions.
- Avoid contact with leaking or damaged batteries. If contact occurs, rinse immediately with water. If battery fluid comes into contact with eyes, rinse immediately with water and seek medical attention.
- If battery fluid comes into contact with skin, clothing, or other objects, rinse immediately with water.
- Only use the charger specified by the manufacturer.
- Do not overcharge or over-discharge the battery.

HANMATEK

English:

⚠ General safety instructions

1. CHOKING DANGER! Always keep children away from packaging materials. The packaging material is not a toy.
2. Do not use the product in locations where there is a risk of fire or explosion.
3. Warning: Not suitable for children under 9 years. For use under adult supervision.
4. Protect the product from moisture and direct sunlight.
5. Avoid violent ones Shocks or falls of the product.
6. Do not expose the product to extreme temperatures temperatures or temperature fluctuations.

⚠ Security notes for batteries

1. RISK OF DEATH! Keep batteries out of reach from children. In the event of a lock, look for See a doctor immediately!
2. May be swallowed Burns, perforation of soft tissue and lead to death. Severe burns can occur within 2 hours of swallowing appear.
3. EXPLOSION DANGER! Never charge nonrechargeable batteries. Do not shorten batteries/rechargeable batteries and/or do not open them. overheating. Danger of fire or bursting can result.
4. Throw away batteries! Never expose batteries to fire or water.
5. Risk of battery/rechargeable battery leakage. Avoid extreme conditions and temperatures that affect the temperature of the battery/rechargeable battery. Batteries may leak, for example on a radiator/through direct sunlight.
6. If batteries/rechargeable batteries have expired, avoid contact of skin, eyes and mucous membranes with the Chemicals! Immediately rinse the affected areas with clean water and consult a doctor! If the batteries/rechargeable batteries leak, remove them from the product immediately to avoid damage
7. Use only the charger specified by the battery manufacturer.
8. Do not overcharge or over-discharge the battery.

Italiano:

⚠ Istruzioni generali di sicurezza

1. PERICOLO DI SOFFOCAMENTO! Tenere sempre i bambini lontani dai materiali di imballaggio. Il materiale di imballaggio non è un giocattolo.
2. Non utilizzare il prodotto in luoghi in cui vi è rischio di incendio o esplosione.
3. Avvertenza: Non adatto a bambini di età inferiore ai 9 anni. Utilizzare sotto la supervisione di un adulto.
4. Proteggere il prodotto dall'umidità e dalla luce solare diretta.
5. Evitare urti violenti o cadute del prodotto.
6. Non esporre il prodotto a temperature estreme o a sbalzi di temperatura.

⚠ Note di sicurezza per le batterie

1. RISCHIO DI MORTE! Tenere le batterie fuori dalla portata dei bambini. In caso di ingestione, consultare immediatamente un medico!
2. Può essere ingerito e causare ustioni, perforazioni dei tessuti molli e portare alla morte. Ustioni gravi possono verificarsi entro 2 ore dall'ingestione.
3. PERICOLO DI ESPLOSIONE! Non caricare mai batterie non ricaricabili. Non cortocircuitare o aprire batterie/batterie ricaricabili. Il surriscaldamento, il rischio di incendio o di esplosione possono essere il risultato.
4. Buttare via le batterie! Non esporre mai le batterie al fuoco o all'acqua.
5. Rischio di perdita di batterie/batterie ricaricabili. Evitare condizioni e temperature estreme che influenzano la temperatura delle batterie/batterie ricaricabili. Le batterie possono perdere, ad esempio su un radiatore o per esposizione diretta al sole.
6. Se le batterie/batterie ricaricabili sono scadute, evitare il contatto della pelle, degli occhi e delle mucose con le sostanze chimiche! Sclacciare immediatamente le aree colpite con acqua pulita e consultare un medico! Se le batterie/batterie ricaricabili perdono, rimuoverle immediatamente dal prodotto per evitare danni.
7. Utilizzare solo le cariche/batterie specificate dal produttore della batteria.
8. Non sovraccaricare o scaricare eccessivamente la batteria.

Svenska:

⚠ Allmänna säkerhetsvarningsinstruktioner

1. Kvävningsrisk! Håll alltid barn borta från förpackningsmaterial. Förpackningsmaterialet är inget leksak. Det är inte tillåtet att använda produkten på platser där det finns risk för brand eller explosion.
2. Varning: Ej lämplig för barn under 9 år. Använd under uppsikt av en vuxen.
3. Skydda produkten från fukt och direkt solljus.
5. Undvik kraftiga stötar eller fall av produkten.
6. Utsätt inte produkten för extrema temperaturer eller temperaturväxlingar.

⚠ Säkerhetsanvisningar för batterier

1. RISK FÖR DÖDSFALL! Förvara batterier utom räckhåll för barn. Vid förtäring, kontakta omedelbart läkare!
2. Kan sväljas och orsaka brännskador, perforation av mjukvävnad och leda till döden. Svåra brännskador kan uppstå inom 2 timmar efter förtäring.
3. EXPLOSIONSFARA! Ladda aldrig icke-uppladdningsbara batterier. Kortslut inte batterier/uppladdningsbara batterier och/eller öppna dem inte. Overhettning, brandrisk eller explosion kan bli resultatet.
4. Kassera batterier! Utsätt aldrig batterier för eld eller vatten.
5. Risk för läckage av batterier/uppladdningsbara batterier. Undvik extrema förhållanden och temperaturer som påverkar temperaturen på batterier/uppladdningsbara batterier. Batterier kan läcka, till exempel på en radiator eller genom direkt solljus.
6. Om batterier/uppladdningsbara batterier har gått ut, undvik kontakt mellan huden, ögonen och slemhinnorna med kemikalier! Skölj omedelbart de berörda områdena med rent vatten och kontakta läkare! Om batterier/uppladdningsbara batterier läcker, ta bort dem omedelbart från produkten för att undvika skador.
7. Använd endast den laddare som anges av batteritillverkaren.
8. Överladda eller djupurladda inte batteriet.

Deutsch:

⚠ Allgemeine Sicherheitswarnhinweise

1. ERSTICKUNGSGEFAHR! Halten Sie Kinder immer von Verpackungsmaterial fern. Das Verpackungsmaterial ist kein Spielzeug.
2. Verwenden Sie das Produkt nicht an Orten, an denen Brand- oder Explosionsgefahr besteht.
3. Warnung: Nicht geeignet für Kinder unter 9 Jahren. Nur unter Aufsicht von Erwachsenen verwenden.
4. Schützen Sie das Produkt vor Feuchtigkeit und direkter Sonneneinstrahlung.
5. Vermeiden Sie starke Stöße oder Stürze des Produkts.
6. Setzen Sie das Produkt nicht extremen Temperaturen oder Temperaturschwankungen aus.

⚠ Sicherheitshinweise für Batterien

1. LEBENSGEFAHR! Halten Sie Batterien außerhalb der Reichweite von Kindern. Bei einem Verschlucken sofort einen Arzt aufsuchen!
2. Kann verschluckt werden und Verbrennungen, Perforation des Weichgewebes und zum Tod führen. Schwere Verbrennungen können innerhalb von 2 Stunden nach dem Verschlucken auftreten.
3. EXPLOSIONSGEFAHR! Laden Sie niemals nicht wiederaufladbare Batterien auf. Batterien/Akkus nicht kurzschließen und/oder öffnen. Überhitzung, Brandgefahr oder Explosion können die Folge sein.
4. Batterien wegwerfen! Niemals Batterien dem Feuer oder Wasser aussetzen.
5. Gefahr des Auslaufens von Batterien/Akkus. Vermeiden Sie extreme Bedingungen und Temperaturen, die die Temperatur der Batterie/des Akkus beeinflussen. Batterien können z.B. auf einem Heizkörper oder durch direkte Sonneneinstrahlung auslaufen.
6. Wenn Batterien/Akkus abgelaufen sind, vermeiden Sie den Kontakt mit Haut, Augen und Schleimhäuten mit den Chemikalien! Betroffene Stellen sofort mit sauberem Wasser spülen und einen Arzt konsultieren! Wenn Batterien/Akkus auslaufen, entfernen Sie sie sofort aus dem Produkt, um Schäden zu vermeiden.
7. Verwenden Sie nur das vom Batteriehersteller angegebene Ladegerät.
8. Überladen oder Tiefentladen Sie die Batterie nicht.

Español:

⚠ Instrucciones generales de seguridad

1. ¡RIESGO DE ASFIXIA! Mantenga siempre a los niños alejados de los materiales de embalaje. El material de embalaje no es un juguete.
2. No utilice el producto en lugares donde haya riesgo de incendio o explosión.
3. Advertencia: No apto para niños menores de 9 años. Utilícelo bajo la supervisión de un adulto.
4. Proteja el producto de la humedad y de la luz solar directa.
5. Evite golpes o caldas fuertes del producto.
6. No exponga el producto a temperaturas extremas o fluctuaciones de temperatura.

⚠ Notas de seguridad para baterías

1. ¡RIESGO DE MUERTE! Mantenga las pilas fuera del alcance de los niños. En caso de ingestión, consulte a un médico de inmediato.
2. Puede ser tragado y causar quemaduras, perforación de los tejidos blandos y provocar la muerte. Las quemaduras graves pueden ocurrir dentro de las 2 horas posteriores a la ingestión.
3. ¡PELIGRO DE EXPLOSIÓN! Nunca cargue pilas no recargables. No cortocircuite ni abra las pilas/pilas recargables. El sobrecalentamiento, el riesgo de incendio o explosión pueden ser el resultado.
4. Deseche las pilas/Nunca exponga las pilas al fuego o al agua.
5. Riesgo de fuga de pilas/pilas recargables. Evite condiciones extremas y temperaturas que afecten la temperatura de las pilas/pilas recargables. Las pilas pueden tener fugas, por ejemplo, en un radiador o por exposición directa a la luz solar.
6. Si las pilas/pilas recargables están caducadas, evite el contacto de la piel, los ojos y las membranas mucosas con los productos químicos. ¡Enjuague inmediatamente las áreas afectadas con agua limpia y consulte a un médico! Si las pilas/pilas recargables tienen fugas, retírelas inmediatamente del producto para evitar daños.
7. Utilice solo el cargador especificado por el fabricante de la batería.
8. No sobrecargue ni descargue en exceso la batería.

Polski:

⚠ Ogólne instrukcje dotyczące bezpieczeństwa

1. NIEBEZPIECZENSTWO ZADŁAWIENIA! Zawsze trzymać dzieci z dala od materiałów opakowaniowych. Materiały opakowaniowe to nie zabawki.
2. Nie używaj produktu w miejscach, gdzie istnieje ryzyko pożaru lub wybuchu.
3. Ostrzeżenie: Nieodpowiednie dla dzieci poniżej 9 lat. Używać pod nadzorem osoby dorosłej.
4. Chronić produkt przed wilgocią i bezpośrednim działaniem promieni słonecznych.
5. Unikać silnych wstrząsów lub upadków produktu.
6. Nie wystawiać produktu na ekstremalne temperatury lub wahań temperatury.

⚠ Wskazówki bezpieczeństwa dotyczące baterii

1. RYZYKO ŚMIERCI! Trzymaj baterie poza zasięgiem dzieci. W przypadku połknięcia natychmiast skonsultuj się z lekarzem!
2. Może zostać połknięty, powodując oparzenia, perforację tkanek miękkich i prowadzić do śmierci. Ciężkie oparzenia mogą wystąpić w ciągu 2 godzin od połknięcia.
3. NIEBEZPIECZENSTWO EKSPLOZJI! Nigdy nie ładuj baterii, które nie są przeznaczone do ładowania. Nie zwijaj baterii/akumulatorów i/lub ich nie otwieraj. Może to spowodować przegrzanie, ryzyko pożaru lub wybuchu.
4. Wyrzucić baterie/Nigdy nie wystawiaj baterii na działanie ognia lub wody.
5. Ryzyko wycieku z baterii/akumulatorów. Unikaj ekstremalnych warunków i temperatur, które wpływają na temperaturę baterii/akumulatorów. Baterie mogą przeciekać, na przykład na grzejniku lub w bezpośrednim świetle słonecznym.
6. Jeśli baterie/akumulatory są przeterminowane, unikaj kontaktu skóry, oczu i błon śluzowych z chemikaliami! Natychmiast przemyj dotknięte obszary czystą wodą i skonsultuj się z lekarzem! Jeśli baterie/akumulatory wyciekają, natychmiast usuń je z produktu, aby uniknąć uszkodzeń.
7. Używaj tylko ładowarki określonej przez producenta baterii.
8. Nie przeładuj ani nie rozładuj nadmiernie baterii.

Français:

⚠ Instructions générales de sécurité

1. DANGER D'ÉTOUFFEMENT ! Gardez toujours les enfants à l'écart des matériaux d'emballage. Le matériau d'emballage n'est pas un jouet.
2. N'utilisez pas le produit dans des endroits où il y a un risque d'incendie ou d'explosion.
3. Avertissement : Ne convient pas aux enfants de moins de 9 ans. À utiliser sous la surveillance d'un adulte.
4. Protégez le produit de l'humidité et de la lumière directe du soleil.
5. Évitez les chocs violents ou les chutes du produit.
6. N'exposez pas le produit à des températures extrêmes ou à des fluctuations de température.

⚠ Notes de sécurité pour les batteries

1. RISQUE DE MORT ! Gardez les piles hors de portée des enfants. En cas d'ingestion, consultez immédiatement un médecin !
2. Peut être avalé et provoquer des brûlures, une perforation des tissus mous et entraîner la mort. Des brûlures graves peuvent survenir dans les 2 heures suivant l'ingestion.
3. DANGER D'EXPLOSION ! Ne jamais recharger des piles non rechargeables. Ne pas court-circuiter ou ouvrir les piles/rechargeables. Risque de surchauffe, d'incendie ou d'explosion.
4. Jetez les piles/Ne jamais exposer les piles au feu ou à l'eau.
5. Risque de fuite des piles/rechargeables. Évitez les conditions extrêmes et les températures qui affectent la température des piles/rechargeables. Les piles peuvent fuir, par exemple sur un radiateur ou par exposition directe au soleil.
6. Si les piles/rechargeables sont périmées, évitez le contact de la peau, des yeux et des muqueuses avec les produits chimiques ! Rincez immédiatement les zones touchées à l'eau claire et consultez un médecin ! Si les piles/rechargeables fuient, retirez-les immédiatement du produit pour éviter tout dommage.
7. Utilisez uniquement le chargeur spécifié par le fabricant de la batterie.
8. Ne surchargez pas et ne déchargez pas trop la batterie.

Nederlands:

⚠ Algemene veiligheidsvoorschriften

1. VERSTIKKINGSGEVAAR! Houd kinderen altijd uit de buurt van verpakkingsmateriaal. Het verpakkingsmateriaal is geen speelgoed.
2. Gebruik het product niet op plaatsen waar brand- of ontploffingsgevaar bestaat.
3. Waarschuwing: Niet geschikt voor kinderen onder de 9 jaar. Gebruik onder toezicht van een volwassene.
4. Bescherm het product tegen vocht en direct zonlicht.
5. Vermijd sterke schokken of vallen van het product.
6. Stel het product niet bloot aan extreme temperaturen of temperatuurschommelingen.

⚠ Veiligheidsopmerkingen voor batterijen

1. LEVENSBEDREIGEND! Houde batterijen buiten het bereik van kinderen. Raadpleeg onmiddellijk een arts in geval van inslikken!
2. Kan worden ingeslikt en brandwonden, perforatie van zacht weefsel en de dood veroorzaken. Ernstige brandwonden kunnen binnen 2 uur na inslikken optreden.
3. EXPLOSIEGEVAAR! Laad nooit niet-oplaadbare batterijen op. Sluit batterijen/oplaadbare batterijen niet kort en/of open ze niet. Oververhitting, brandgevaar of ontploffing kunnen het gevolg zijn.
4. Gooi batterijen weg! Stel batterijen nooit bloot aan vuur of water.
5. Risico op lekkage van pilas/pilas oplaadbare batterijen. Vermijd extreme omstandigheden en temperaturen die de temperatuur van de batterij/oplaadbare batterij beïnvloeden. Batterijen kunnen bijvoorbeeld op een radiator of door direct zonlicht gaan lekken.
6. Als batterijen/oplaadbare batterijen zijn verlopen, vermijd dan contact van huid, ogen en slijmvliezen met de chemicaliën! Spoel de getroffen gebieden onmiddellijk met schoon water en raadpleeg een arts! Als batterijen/oplaadbare batterijen lekken, verwijder ze dan onmiddellijk uit het product om schade te voorkomen.
7. Gebruik alleen de door de batterijfabrikant gespecificeerde oplader.
8. Laad de batterij niet te veel op en ontlad de batterij niet te veel.

Türkçe:

⚠ Genel Güvenlik Uyarı Talimatları

1. BOĞULMA TEHLİKESİ! Çocukları her zaman ambalaj malzemelerinden uzak tutun. Ambalaj malzemesi oyuncak değildir.
2. Ürünü yangın veya patlama riski olan yerlerde kullanmayın.
3. Uyarı: 9 yaş altındaki çocuklar için uygun değildir. Yetişkin gözetiminde kullanılmıdır.
4. Ürünü nemden ve doğrudan güneş ışığından koruyun.
5. Ürünün sert darbeler veya düşmelerle maruz kalmasından kaçının.
6. Ürünü aşırı sıcaklıklara veya sıcaklık dalgalanmalarına maruz bırakmayın.

⚠ Piller için güvenlik notları

1. ÖLÜM RİSKİ! Pilleri çocukların erişimeneceği yerlerde saklayın. Yutulması durumunda derhal bir doktora başvurun!
2. Yutulabilir ve yanıklara, yumuşak doku delinmesine ve ölüme neden olabilir. Yutulmasından sonraki 2 saat içinde ciddi yanıklar oluşabilir.
3. PATLAMA TEHLİKESİ! Şarj edilmeyen pilleri asla şarj etmeyin. Pilleri/şarj edilebilir pilleri kısa süre yapılmayın ve/veya açmayın. Aşırı ısına, yangın tehlikesi veya patlama meydana gelebilir.
4. Pilleri atın/Pilleri asla ateşe veya suya maruz bırakmayın.
5. Pili/şarj edilebilir pil sizintisi riski. Pili/şarj edilebilir pillin sıcaklığını etkileyen aşırı koşullardan ve sıcaklıklardan kaçının. Piller, örneğin bir radyator üzerinde veya doğrudan güneş ışığına maruz kaldığında sızabilir.
6. Pilleri/şarj edilebilir piller süresi dolmuşsa, cilt, gözler ve mukozalar zarları ile kimyasallardan temasından kaçının! Etkilenen bölgeleri hemen temiz su ile durulayın ve bir doktora danışın! Pilleri/şarj edilebilir piller sızarsa, hasarı önlemek için üründen hemen kaçın.
7. Sadece pil üreticisi tarafından belirtilen şarj cihazını kullanın.
8. Pili aşırı şarj etmeyin veya aşırı deşarj etmeyin.

Image: Safety warnings for the HANMATEK IE02 Industrial Endoscope, including general safety and battery precautions.

PACKAGE CONTENTS

Please check the package contents upon receipt to ensure all items are present and undamaged:

- HANMATEK IE02 Industrial Endoscope Unit (with 4.3-inch TFT screen and integrated 16.5ft flexible cable)
- USB-C Charging Cable
- 32GB Micro SD Card
- Accessory Set:
 - Mirror Attachment
 - Hook Attachment
 - Magnet Attachment
- User Manual



Image: The HANMATEK IE02 Industrial Endoscope package contents, including the main unit, USB-C cable, SD card, and various attachments.

PRODUCT OVERVIEW

The HANMATEK IE02 features a robust design for industrial use. Familiarize yourself with the main components and controls:



Image: Front view of the HANMATEK IE02 Industrial Endoscope, showing the display screen, control buttons, flexible cable, and camera head with LED lights.

Key Components:

- **4.3-inch TFT Display:** Provides a clear, real-time view of the inspection area with 480x272 resolution.
- **Flexible Snake Cable (16.5ft/5m):** Allows access to confined and hard-to-reach spaces.
- **8mm Camera Head:** Equipped with a 1 million pixel sensor for sharp imaging.
- **Adjustable LED Lights:** 8 integrated LEDs provide illumination in dark environments.
- **Control Panel:** Intuitive buttons for navigation, settings, and media capture.
- **USB-C Port:** For charging the device.
- **Micro SD Card Slot:** For storing photos and videos (supports up to 32GB).

REAL-TIME VIEW, QUICK RECORDING



1080P HD



4.3" TFT



180° Rotation



Recording



Playback



Image: The endoscope display, emphasizing the 4.3-inch screen size and the 180-degree image rotation feature for versatile viewing.

IP67 WATERPROOF CAMERA

5m Flexible Cable



Image: Close-up of the IP67 waterproof camera head and the 8 adjustable LED lights, illustrating their function in illuminating dark inspection areas.

SETUP

1. Charging the Device

Before first use, fully charge the endoscope. Connect the supplied USB-C charging cable to the device's USB-C port and a compatible USB power adapter (not included). The charging indicator will show the charging status. A full charge provides up to 4 hours of continuous use.

2. Inserting the Micro SD Card

Locate the Micro SD card slot on the side of the device. Insert the provided 32GB Micro SD card with the gold contacts facing down until it clicks into place. This card is essential for saving photos and videos.

3. Attaching Accessories

The endoscope comes with mirror, hook, and magnet attachments. To attach an accessory, carefully slide it onto

the camera head until it is securely in place. Ensure it does not obstruct the camera lens or LED lights.



Image: The endoscope's flexible cable and the included practical accessories: mirror, hook, and magnet, designed to assist in various inspection tasks.

OPERATING INSTRUCTIONS

EASY OPERATION, PRACTICAL DESIGN

Skip WIFI and APP connection, plug and play



No WIFI



No Phone



No APP



Image: The HANMATEK IE02 Industrial Endoscope in use, demonstrating its easy operation and practical design without the need for Wi-Fi or external apps.

1. Powering On/Off

- To power on, press and hold the **Power button** (usually marked with a red circle or power symbol) until the screen illuminates.
- To power off, press and hold the **Power button** again until the screen turns off.

2. Adjusting LED Lights

Press the **Light Adjustment button** (often marked with a light bulb icon) to cycle through the 8 levels of LED brightness. Adjust as needed for optimal visibility in different environments.

3. Image Rotation

To rotate the image 180 degrees, press the **Rotation button** (often marked with a circular arrow). This is useful for correcting image orientation when the camera is in an inverted position.

4. Zoom Function

Use the **Zoom buttons** (often marked with '+' and '-' or magnifying glass icons) to zoom in or out on the live feed. The IE02 supports 1.0x, 2.0x, and 3.0x zoom levels.

5. Photo/Video Recording

- **To take a photo:** Press the **Photo button** (often marked with a camera icon). The image will be saved to the Micro SD card.
- **To record a video:** Press the **Video button** (often marked with a video camera icon) to start recording. Press it again to stop recording. Videos are saved to the Micro SD card.

6. Viewing Media

Enter the playback mode by pressing the **Menu/Mode button**. Navigate through your saved photos and videos using the arrow buttons. Press the **OK/Select button** to view a selected file.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your HANMATEK IE02 Industrial Endoscope.

- **Cleaning the Camera Head and Cable:** After each use, especially in dirty or wet environments, wipe the camera head and flexible cable with a soft, damp cloth. For stubborn dirt, a mild detergent can be used, followed by wiping with a clean, damp cloth. Ensure no liquid enters the main unit. The camera head is IP67 waterproof, but the main unit is not.
- **Cleaning the Display Screen:** Use a soft, lint-free cloth to gently wipe the display screen. Avoid abrasive materials or harsh chemicals that could scratch or damage the screen.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. If storing the device for an extended period, charge it to about 50% and recharge every few months.
- **Storage:** Store the endoscope in a cool, dry place, away from direct sunlight and extreme temperatures. Keep it in its original packaging or a protective case to prevent damage.
- **Avoid Bending the Cable Sharply:** While the cable is flexible, avoid sharp bends or kinks that could damage the internal wiring.

TROUBLESHOOTING

If you encounter issues with your HANMATEK IE02, refer to the following common problems and solutions:

- **Device does not power on:**
 - Ensure the battery is charged. Connect the device to a charger and try again.
 - Check the power button for proper function.
- **No image on screen or poor image quality:**
 - Check if the camera lens is clean and free from obstructions.
 - Adjust the LED brightness using the light adjustment button.
 - Ensure the camera cable is securely connected to the main unit.
 - Verify the focal length (2-10cm) for optimal clarity.
- **Cannot record photos or videos:**
 - Ensure a Micro SD card is properly inserted into the slot.

- Check if the Micro SD card has sufficient free space.
- The Micro SD card might be full or corrupted. Try formatting the card (refer to device settings) or using a different card.

- **Battery drains quickly:**

- Ensure the device is fully charged before use.
- Reduce LED brightness if not needed.
- Operating in extremely cold environments can reduce battery performance.

If the problem persists after trying these solutions, please contact HANMATEK customer support for further assistance.

SPECIFICATIONS





Feature	Specification
Model Number	IE02
Display Screen	4.3-inch TFT, 480x272 resolution
Camera Diameter	8mm
Cable Length	16.5ft (5 meters)
Camera Resolution	1 Million Pixels (1080P equivalent for still images)
Field of View	58°
Focal Length	2-10cm
LED Lights	8 adjustable LEDs
Waterproof Rating	IP67 (for camera probe only)
Battery	3.7V/2600mAh Lithium Battery
Battery Life	Up to 4 hours continuous use
Charging Port	USB-C
Storage	Supports up to 32GB Micro SD card (included)
Image Rotation	180°
Zoom Levels	1.0x, 2.0x, 3.0x
Item Weight	0.58 Kilograms (1.28 Pounds)
Manufacturer	Shenzhen Hanmatek Precision Technology Co.,Ltd.

WARRANTY AND SUPPORT

HANMATEK products are designed for reliability and performance. For warranty information or technical support, please refer to the warranty card included in your package or visit the official HANMATEK website. You can also contact their customer service directly for assistance with any product-related inquiries.

For more information, visit the [HANMATEK Store on Amazon](#).

Related Documents - IE02

	<p>HANMATEK WT1 Multi-Functions Wire Tracker User Manual</p> <p>Comprehensive user manual for the HANMATEK WT1 Multi-Functions Wire Tracker, detailing its features, operation, safety instructions, and technical specifications for efficient cable testing and network maintenance.</p>
	<p>HANMATEK DOS1202 Digital Oscilloscope: General Safety Instructions</p> <p>Safety instructions for the HANMATEK DOS1202 Digital Oscilloscope, covering general warnings to prevent injury and product damage. Available in multiple languages.</p>
	<p>Hanmatek Stud Finder User Manual</p> <p>User manual for the Hanmatek Stud Finder, model BF1/8F2, providing instructions for operation, display elements, and technical data in multiple languages.</p>
	<p>Hanmatek LM50 Laser Distance Meter User Manual</p> <p>Official user manual for the Hanmatek LM50 Laser Distance Meter, providing specifications and contact information for Shenzhen Hanmatek Precision Technology Co.,Ltd.</p>

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[3D Printable Storage Box for Hanmatek SF1 Stud Finder](#)

Download 3D printable files for a custom storage box designed for the Hanmatek SF1 Stud Finder. This box accommodates the device and a battery, featuring a magnetic lid. Created with FreeCAD, includes .fcstd, STEP, and STL files for 3D printing.

Digital Storage Oscilloscope Quick Guide



[Hanmatek DOS1102 Digital Storage Oscilloscope Quick Guide](#)

A quick guide to the Hanmatek DOS1102 Digital Storage Oscilloscope, covering safety precautions, front and rear panel descriptions, control area functions, user interface, and basic operations like probe compensation and auto measurements.