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DEPSTECH NTC55DL-16.5FT

DEPSTECH 2K Dual Lens Endoscope Camera NTC55DL-16.5FT User Manual

Model: NTC55DL-16.5FT

Introduction

This manual provides instructions for the proper use and maintenance of your DEPSTECH 2K Dual Lens Endoscope Camera, Model NTC55DL-16.5FT. This device is designed for visual inspection in hard-to-reach areas, featuring a 2K (2560x1440P) resolution camera with dual lenses for comprehensive viewing. It is compatible with iOS and Android devices and includes a 16.5 ft (5m) semi-rigid cable, adjustable LED lighting, and IP67 waterproof rating.

Image: Exploded view of the endoscope camera head, illustrating its 2K resolution and dual-lens system.

Image: Illustration of the dual-lens system, allowing switching between main and side views.

Setup Instructions

1. **Download the DEPSTECHCAM App:** Locate and download the official "DEPSTECHCAM" application from the Apple App Store (for iOS devices) or Google Play Store (for Android devices). This app is required for the endoscope to function. The app operates offline and does not collect user data.
2. **Connect the Endoscope:**
   - For iOS devices (iOS 11.0+): Use the Lightning adapter to connect the endoscope to your iPhone or iPad.
   - For Android devices (Android 9.0+): Connect the endoscope directly using the Type-C connector.
   - *Note: Micro-USB devices are not supported.*
3. **Enable OTG (Android Only):** For Android devices, you must enable OTG (On-The-Go) in your phone's settings for the device to be recognized. Refer to your phone's manual for specific instructions on enabling OTG.
4. **Grant App Permissions:** Upon first launch, the DEPSTECHCAM app may request permissions to access your device's camera and storage. Grant these permissions to allow the app to capture photos/videos and save them.

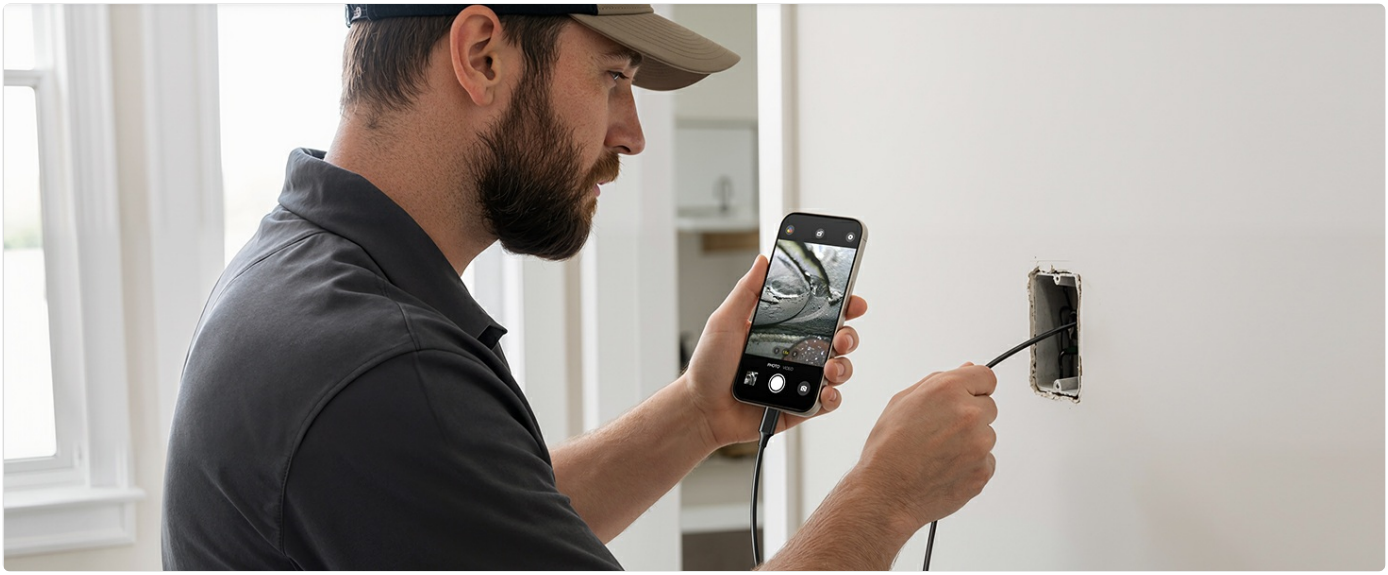

Image: Visual guide for app installation, device connection, and permission granting.

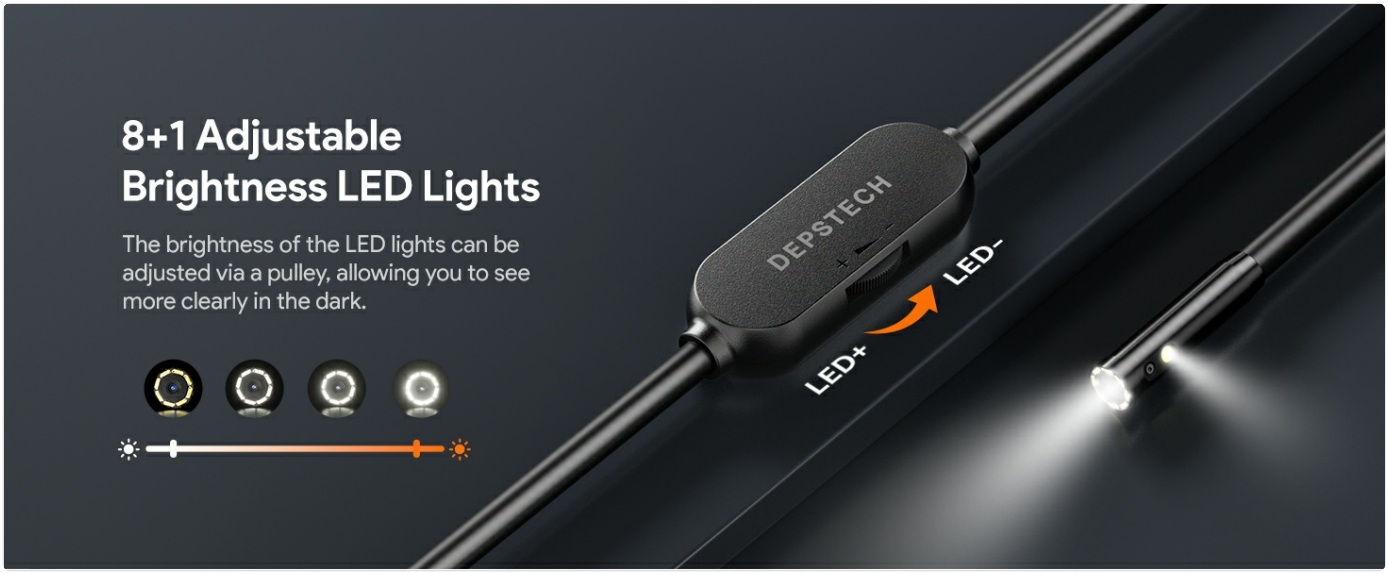

Image: Broad equipment compatibility with Type-C and Lightning connectors.

Operating Instructions

Using the DEPSTECHCAM App

Once connected and the app is launched, the live view from the endoscope camera will appear on your device's screen. The app provides several functions to enhance your inspection:

- **Photo/Video Capture:** Use the dedicated buttons within the app to take still images or record video footage of your inspection.
- **Dual Lens Switching:** The endoscope features both a front-facing and a side-facing camera. Switch between these views instantly via an icon in the app to eliminate blind spots and achieve a 360° inspection.
- **Zoom Function:** The app supports 1.5x and 2x digital zoom to magnify details in the live feed or captured media.
- **Image Rotation:** Rotate the image 90° within the app for optimal viewing orientation.
- **Gallery Review:** Access captured photos and videos directly from the app's gallery for review, sharing, or deletion.

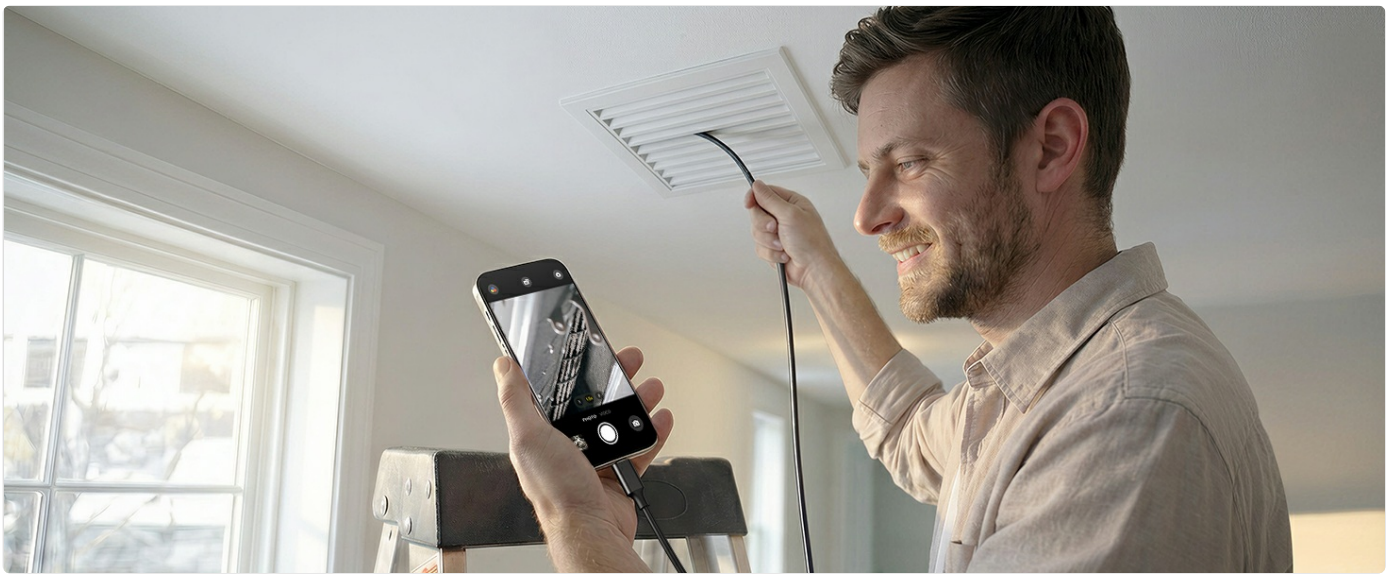

Image: Overview of the DEPSTECHCAM app interface and its functions.

Adjusting LED Brightness

The endoscope is equipped with 8+1 adjustable LED lights to illuminate dark inspection areas. A dial located on the cable allows you to increase or decrease the brightness to achieve optimal visibility. Rotate the dial towards "LED+" to brighten and "LED-" to dim the lights.

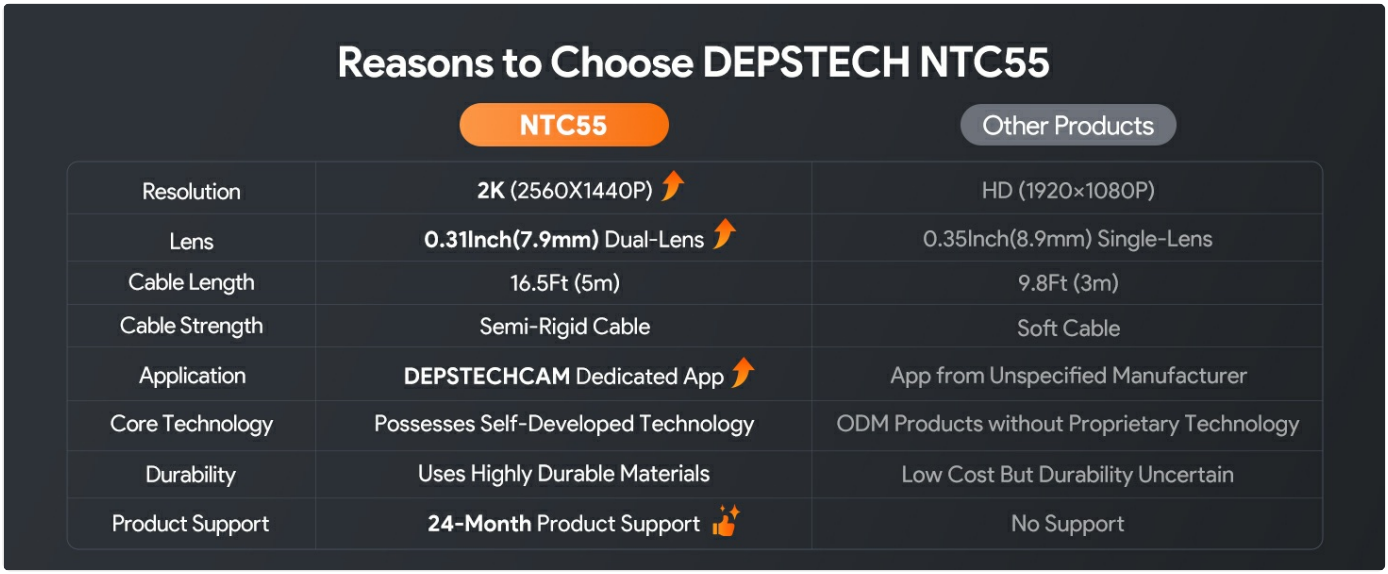

Image: Adjusting the 8+1 LED brightness using the inline control.

Using Accessories

The endoscope comes with practical accessories to assist in various inspection scenarios:

- **Hook Attachment:** Useful for retrieving small objects from tight spaces.
- **Magnet Attachment:** Designed to pick up metallic items that have fallen into inaccessible areas.

To attach an accessory, carefully screw it onto the threaded tip of the endoscope camera head after removing the protective cap.

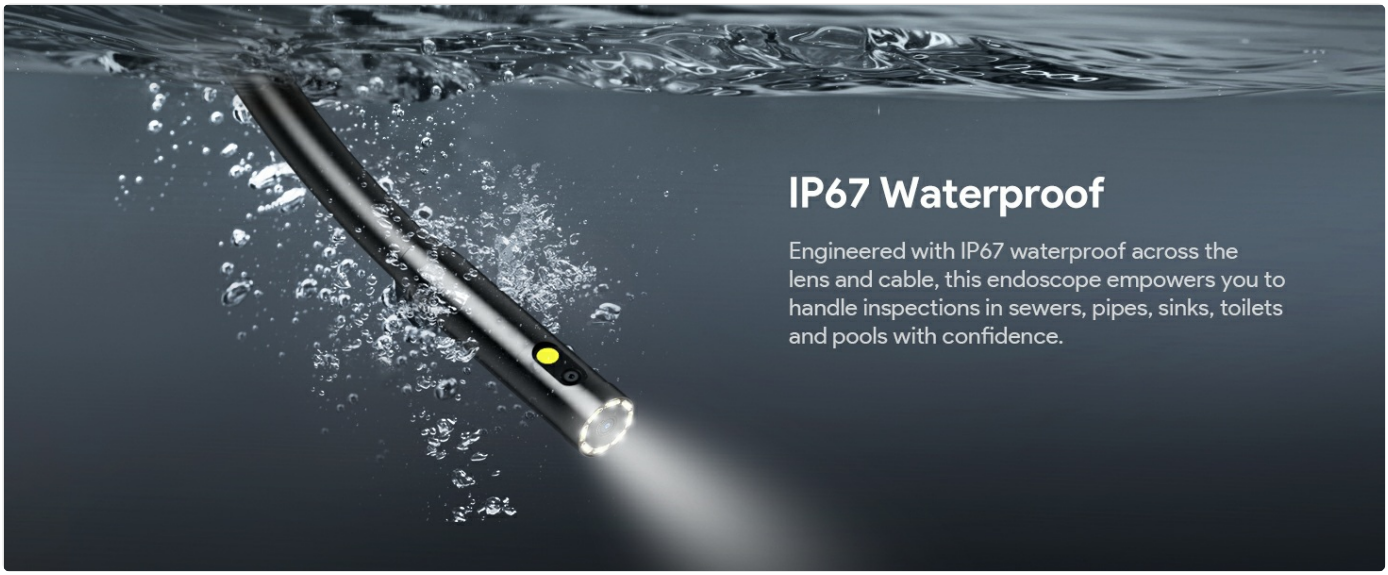

Image: Practical hook and magnet accessories for retrieval.

Maintenance

- **Cleaning the Lens:** After each use, especially in dirty or dusty environments, gently wipe the camera lens with a soft, lint-free cloth. For stubborn grime, a small amount of lens cleaning solution can be applied to the cloth. Avoid abrasive materials or harsh chemicals.
- **Cable Care:** The 16.5 ft (5m) semi-rigid cable should be coiled loosely for storage to prevent kinks or damage. Avoid sharp bends or excessive force when manipulating the cable.
- **Waterproof Rating:** The endoscope camera and cable are IP67 waterproof, allowing for use in damp or submerged conditions. After use in water, ensure the camera head and cable are thoroughly dried before storage. Do not submerge the USB connector or your connected device.

- **Storage:** Store the endoscope and its accessories in a clean, dry place away from extreme temperatures and direct sunlight.

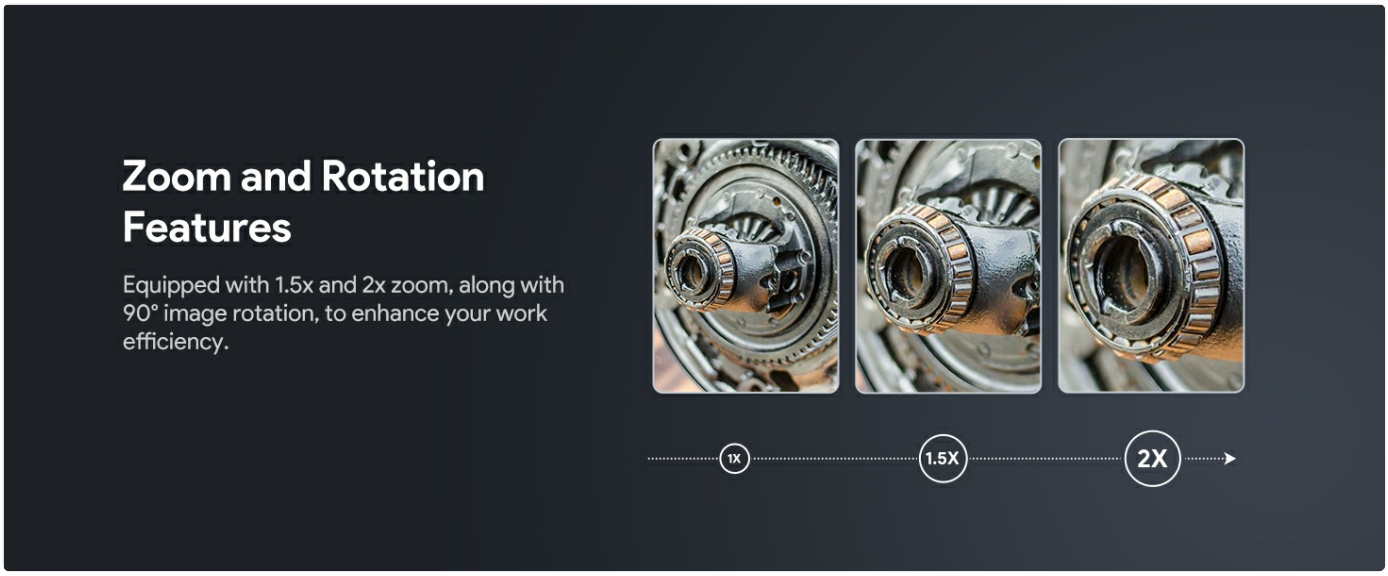

Image: The endoscope camera head demonstrating its IP67 waterproof rating.

Troubleshooting

Problem: Endoscope not recognized by Android device.
Solution: Ensure OTG (On-The-Go) is enabled in your Android device's settings. This setting is often found under "System," "Connected devices," or "Developer options." Some older Android devices may not support OTG.

Problem: No image or black screen in the app.
Solution:

- Verify the endoscope is securely connected to your device.
- Check if the DEPSTECHCAM app has been granted camera and storage permissions.
- Restart the DEPSTECHCAM app and reconnect the endoscope.
- Ensure your device's operating system meets the minimum requirements (iOS 11.0+ or Android 9.0+).

Problem: Image quality is poor or blurry.
Solution:

- Clean the camera lens carefully as described in the Maintenance section.
- Adjust the LED brightness using the dial on the cable to optimize lighting for the inspection area.
- The optimal focal distance for the endoscope is typically between 0.78-3.93 inches (2-10 cm). Ensure the object of interest is within this range.
- Minimize camera movement during inspection to reduce blur.

Problem: Cannot save photos or videos.
Solution: Confirm that the DEPSTECHCAM app has permission to access your device's storage or photo gallery. Check your device's storage space to ensure there is enough room for new files.

Specifications

Feature	Detail
Model Name	NTC55DL-16.5FT
Resolution	2K (2560x1440P)
Effective Still Resolution	3.69 MP

Feature	Detail
Lens Type	Dual Lens (Front and Side)
Cable Length	16.5 ft (5m) Semi-Rigid
Water Resistance Level	IP67 Waterproof
Connectivity Technology	USB (Type-C, Lightning Adapter)
Compatible Devices	iPhone (iOS 11.0+), iPad (iPadOS 11.0+), Android (9.0+)
Lighting	8+1 Adjustable LED Lights
Macro Focus Range	0.78-3.93 Inches (2-10 cm)
Digital Zoom	Up to 2x
Supported File Format	JPEG (Photos), MP4 (Videos)
Country of Origin	China

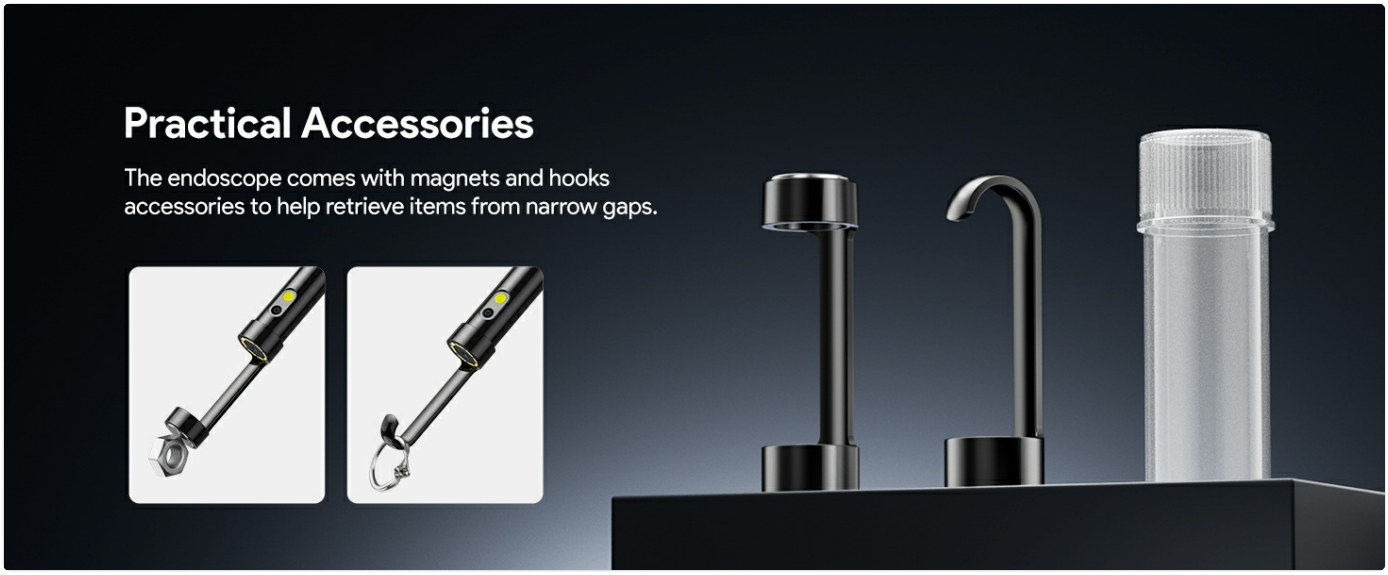

Image: Feature comparison of DEPSTECH NTC55 with other endoscopes.

Warranty and Support

The DEPSTECH 2K Dual Lens Endoscope Camera (Model NTC55DL-16.5FT) comes with a **2-year manufacturer warranty**. For technical assistance, troubleshooting, or warranty claims, please contact DEPSTECH customer support. **24/7 support** is available to assist you.
Visit the official DEPSTECH store for more information and support resources: DEPSTECH Store

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