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AVer DL30 Auto Tracking PTZ Distance Learning Camera User Manual

Model: DL30 | Brand: AVer

1. PRODUCT OVERVIEW

The AVer DL30 is an advanced auto-tracking PTZ (Pan-Tilt-Zoom) camera designed specifically for distance learning environments. It utilizes Artificial Intelligence (AI) to automatically track a presenter, ensuring they remain in frame without manual intervention. This camera is ideal for capturing lectures, demonstrations, and interactive sessions with clarity and precision.

Key features include:

- **Hands-Free AI Auto Tracking:** Automatically follows the presenter.
- **12X Optical Zoom:** Provides detailed close-ups.
- **Automatic Privacy Mode:** Rotates the camera head down when not in use.
- **Distance Learning Ready:** Optimized for virtual classroom settings.
- **Intuitive Software:** Free software for interactive control.



Figure 1: Front view of the AVer DL30 Auto Tracking PTZ Camera.



Figure 2: AVer DL30 camera mounted in a classroom setting, demonstrating its use in an educational environment.

2. PACKAGE CONTENTS

Verify that all items are present in the package before proceeding with installation.

- AVer DL30 Auto Tracking PTZ Camera
- USB Cable
- (Other accessories such as power adapter, remote control, mounting bracket may be included depending on the specific package. Please refer to your product's packing list.)

3. SETUP GUIDE

3.1. Placement

Position the AVer DL30 camera in a location that provides an unobstructed view of the area to be tracked (e.g., the teacher's position in a classroom). Ensure the camera is mounted securely on a stable surface or ceiling mount (if applicable) to prevent movement during operation.

3.2. Connections

1. **Power Connection:** Connect the power adapter (if included) to the camera's power input and then to a power outlet.
2. **USB Connection:** Connect the supplied USB cable from the camera's USB port to a USB port on your computer or video conferencing system. This connection is essential for video, audio, and control signals.
3. **Network Connection (Optional):** If using Power over Ethernet (PoE+) or for network control, connect an Ethernet cable from the camera's LAN port to a network switch or router.
4. **HDMI/SDI Output (Optional):** If using for direct video output to a display or capture card, connect an HDMI or SDI cable (depending on model) from the camera to the desired display device.



Figure 3: Diagram illustrating the intelligent auto-tracking capabilities and connectivity options of the AVer DL30 camera, including 12x optical zoom, two auto-tracking modes, privacy mode, and PoE+.

4. OPERATING INSTRUCTIONS

4.1. Software Installation

Download and install the latest AVer PTZ control software from the official AVer website. This software provides comprehensive control over camera settings, tracking modes, and presets.

4.2. Initial Setup and Calibration

1. Launch the AVer PTZ control software.
2. Select the connected DL30 camera from the device list.
3. Follow the on-screen prompts to calibrate the auto-tracking feature. This typically involves defining the tracking area and setting up exclusion zones if necessary.
4. Adjust image settings such as brightness, contrast, and white balance to optimize video quality for your environment.

4.3. Using Auto Tracking

The DL30 supports two primary auto-tracking modes:

- **Presenter Tracking:** The camera focuses on and follows a single presenter.
- **Zone Tracking:** The camera tracks movement within a predefined zone.

Activate the desired tracking mode through the control software. The camera will automatically pan, tilt, and zoom to keep the subject in view.

4.4. Privacy Mode

To ensure privacy when the camera is not in use, activate the automatic privacy mode. The camera head will rotate 90 degrees downwards, preventing any visual capture.

Professional Quality At Your Fingertips



Hands-Free AI Auto Tracking

Advanced Artificial Intelligence (AI) can be set to either Presenter Tracking or Zone Tracking, even if the teacher is wearing a PPE mask.



Protect Student & Teacher Privacy

When not in use, the DL30 automatically rotates the camera head 90° down so nothing can be viewed.



Capture Every Lesson In Clarity

The 2MP camera with 12X optical zoom outputs high definition and real-life video to keep remote learners focused and engaged.



Optimized For Distance Learning

Deliver engaging lessons for your students wherever they are learning from with AVer's free interactive distance learning software.

Figure 4: Overview of professional quality features including hands-free AI auto tracking, privacy protection, clear lesson capture, and optimization for distance learning.

Ready For Learning, Wherever You Are

Fully compatible with all popular video conferencing platforms! The DL30 enables you to connect and stream professional quality videos or record and save your lessons for later reference.



Figure 5: The AVer DL30 camera's compatibility with popular video conferencing platforms like Microsoft Teams, Google Meet, and Zoom, highlighting its readiness for various learning environments.

5. MAINTENANCE

5.1. Cleaning

Regularly clean the camera lens and body with a soft, dry, lint-free cloth. For stubborn smudges, use a lens cleaning solution specifically designed for optical surfaces. Avoid abrasive cleaners or solvents that could damage the camera's finish or lens coating.

5.2. Firmware Updates

Periodically check the AVer website for firmware updates. Keeping the camera's firmware up-to-date ensures optimal performance, introduces new features, and resolves potential issues.

6. TROUBLESHOOTING

6.1. No Video Output

- Ensure all cables (USB, HDMI/SDI, power) are securely connected.
- Verify the camera is powered on.
- Check if the correct video input source is selected on your display or capture device.

- Restart the camera and the connected computer/system.

6.2. Auto Tracking Not Working

- Ensure the tracking area is properly defined in the AVer control software.
- Check for any obstructions in the camera's field of view.
- Verify that the lighting conditions are adequate for tracking.
- Update the camera firmware to the latest version.

6.3. Camera Not Recognized by Computer

- Try connecting the USB cable to a different USB port on your computer.
- Ensure the necessary drivers are installed (usually part of the AVer control software).
- Restart your computer.

7. SPECIFICATIONS

Feature	Detail
Model Number	DL30
Brand	AVer
Max Screen Resolution	1080p
Rear Webcam Resolution	2 MP
Optical Zoom	12x
Photo Sensor Technology	CMOS
Connectivity Technology	Wired
Special Feature	AI Auto Tracking
Item Weight	5.85 pounds
Product Dimensions (LxWxH)	13.8 x 9.3 x 9.3 inches
Video Capture Format	MP4
Supported Audio Format	AAC, MP3

8. WARRANTY AND SUPPORT

Information regarding the product warranty and customer support details was not available in the provided product

data. For warranty terms, technical support, or service inquiries, please refer to the official AVer website or contact AVer customer service directly.

You can visit the AVer Store for more information:[AVer Brand Store](#)