DVDO-Camera-Ctl-1
IP Camera Control Keyboard

User Manual
Version 1.0.0
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1. Product Description

1.1 Brief Description
This product is an Android-based network touch keyboard with a 10 1-inch capacitive touch screen and simple user interface. The integrated touch screen can provide real-time previews from camera feeds, and the system can output the image to an external display via HDMI. It supports single viewing of H 265 4K@30fps or H 264 1080p@60fps; and 4-channel 720p@30fps. The system includes a joystick for PTZ control, and is suitable for unified control where multiple network cameras are installed such as schools, hospitals, hotels, businesses, etc.

1.2 Features
10 1-inch capacitive touch screen
Android 6.0 operating system
H 265/H 264 decoding, up to 4 screen partitions
Supports viewing images on the touch screen or external display via HDMI
Network access to full range of PTZ cameras
PTZ control, preset, cruise, track setting and recall
Supports ONVIF protocol
Controls up to 1024 cameras
Supports external mouse

1.3 Keyboard Appearance
**Left side button controls:** Preset, cruise, scan and other programmable functions

**Large middle screen area:** 10 1-inch capacitive touch screen for operation and display

**Right-side joystick control:** PTZ control joystick (left/right/up/down/zoom) and customizable shuttle dial

### 1.4 Keyboard Interface

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>①</td>
<td>On/Off Switch</td>
<td></td>
</tr>
<tr>
<td>②</td>
<td>Power Input</td>
<td>Standard 5 5/2 1 Power Interface, DC 12V2A±10%</td>
</tr>
<tr>
<td>③</td>
<td>Network Interface</td>
<td>Network Connection</td>
</tr>
<tr>
<td>No.</td>
<td>Description</td>
<td>Details</td>
</tr>
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<td>-----</td>
<td>--------------------------------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>④</td>
<td>Reserved</td>
<td>Manufacturer use only</td>
</tr>
<tr>
<td>⑤</td>
<td>USB</td>
<td>Device upgrade control or external mouse control</td>
</tr>
<tr>
<td>⑥</td>
<td>Reserved</td>
<td>Manufacturer use only</td>
</tr>
<tr>
<td>⑦</td>
<td>HDMI</td>
<td>Synchronized external display with 10 1-inch screen</td>
</tr>
<tr>
<td>⑧</td>
<td>RS-232</td>
<td>For Pelco-D / Pelco-P / Visca control</td>
</tr>
<tr>
<td>⑨</td>
<td>RS-485</td>
<td>For Pelco-D / Pelco-P / Visca control</td>
</tr>
</tbody>
</table>

1.5 System Diagram

![System Diagram](image)
2. System Settings

2.1 Language Setting
Select Chinese or English

2.2 Hardware Settings
Toggle key-touch sound on / off
2.3 Network Settings
Network settings are static / DHCP optional  Please save after modification
Note: The IP address of keyboard must be the same network segment as PTZ camera(s)

2.4 System Upgrade
Please copy the upgrade file onto a USB flash drive, then insert the flash drive into the USB port on the back of the keyboard  Select [System Update], then select [Install] on the pop-up upgrade dialog box  Once application is installed, select [Open]
Note: Do not modify the name of the upgrade file  Do not power off during upgrade process
2.5 About System
Shows software version number of system

3. PTZ Mode
3.1 Equipment Management

Click the pop-up menu bars at the upper right corner of the PTZ mode screen, then select [Device Management] to enter the device management interface as shown below
Note: In the PJZ control page, you can enter the last digits of the camera’s IP address directly on the keyboard and then press the [Address] button to connect the PTZ camera. In this example, you may enter “239” to add the camera at 192.168.0.239; please use the actual last digits of your camera’s specific IP address.

3.1.1 Auto Search

Click [Search] / [Quickly Add] to search for IP cameras, then the [Search Results] dialog box will pop up. After inputting the IP address of the device to be added, click the +, fill in the user name and password of the corresponding PTZ camera, then save.

3.1.2 Add Manually

Click [Manually Add], then enter the device name, IP address, ONVIF port number, user name, and password into the [Add Device] dialog box, then save.

3.1.3 Delete device

Click the next to [Added Devices], then select the IP address of the device to be deleted, then click [Delete], then click [OK].
3.2 Video Display

In [PTZ Mode], click the at the upper right corner. Select [Video Display] to display a four-image window. Click on the screen to open the [Device Add] dialog box. Double-click the IP address of the camera to display the screen.