**INDIGOVISION**
**SURVEILLANCE USB KEYBOARD**

**QUICK START GUIDE**

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**PACKAGE CONTENTS**

- 1x Keyboard with Joystick
- 1x 5V USB type B cable (locking)
- 1.8m RS-232 cable

**CONNECTIONS**

<table>
<thead>
<tr>
<th>Connection</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12V DC power input port</td>
</tr>
<tr>
<td>2</td>
<td>RS-232 9 way female DB9 serial port</td>
</tr>
<tr>
<td>3</td>
<td>USB type B port</td>
</tr>
</tbody>
</table>

**PLAYBACK CONTROL AND FUNCTION KEYS**

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARK</td>
<td>Select a point on the timeline.</td>
</tr>
<tr>
<td>SEQ</td>
<td>Select a sequence.</td>
</tr>
<tr>
<td>SHIFT</td>
<td>Enable autofocus or iris auto-adjust.</td>
</tr>
<tr>
<td>TLINE</td>
<td>See &quot;Operating the keyboard&quot; on page 1.</td>
</tr>
<tr>
<td>IRIS</td>
<td>Adjust the iris aperture.</td>
</tr>
<tr>
<td>FOCUS</td>
<td>Adjust the camera focus.</td>
</tr>
<tr>
<td>+ / -</td>
<td>Scroll through cameras or points in a timeline.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Synchronize recorded video.</td>
</tr>
<tr>
<td>R</td>
<td>Rewind playback video.</td>
</tr>
<tr>
<td>P</td>
<td>Plays or pause recorded video.</td>
</tr>
<tr>
<td>V</td>
<td>Play playback video at increased speed.</td>
</tr>
<tr>
<td>B</td>
<td>To play at 2x speed, press once.</td>
</tr>
<tr>
<td>M</td>
<td>Monitor Selection</td>
</tr>
<tr>
<td>LAYOUT</td>
<td>Select a video pane layout.</td>
</tr>
<tr>
<td>CLEAR</td>
<td>Close the monitor or layout selection options.</td>
</tr>
<tr>
<td>MODE</td>
<td>Toggle between Live and Playback modes.</td>
</tr>
<tr>
<td>PRESET</td>
<td>Select a preset.</td>
</tr>
<tr>
<td>MAX</td>
<td>Maximize or minimize the video pane.</td>
</tr>
<tr>
<td>STOP</td>
<td>Stop video in the current pane.</td>
</tr>
<tr>
<td>FUNC</td>
<td>Access the camera menu.</td>
</tr>
<tr>
<td>ON / OFF</td>
<td>ogg</td>
</tr>
<tr>
<td>ALL</td>
<td>Replay all.</td>
</tr>
<tr>
<td>SALVO</td>
<td>Select a salvo or guard tour.</td>
</tr>
<tr>
<td>HOLD</td>
<td>Pause or restart a sequence.</td>
</tr>
</tbody>
</table>

**SAFETY NOTICES**

**Warnings**

- The unit must be connected to a power supply that matches the details given in the Specifications section.
- The product is designed for indoor applications and must not be installed outdoors or exposed to rain or moisture.

**Cautions**

- Never open the unit. Tampering with the product invalidates the warranty.

**Notices**

- The unit should never be used in proximity to flammable substances or in potentially explosive atmospheres.
- Place the unit on a solid surface when using.
- Do not power cycle the unit or disconnect the unit while upgrading the firmware.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication system</td>
<td>USB type B or serial line (COM) female DB9 Connector (indented)</td>
</tr>
<tr>
<td>Control</td>
<td>Proportional 3 axis joystick plus jog / shuttle dial</td>
</tr>
<tr>
<td>Primary power supply</td>
<td>5V USB type B</td>
</tr>
<tr>
<td>Auxiliary power supply</td>
<td>12V DC PSU</td>
</tr>
<tr>
<td>Power consumption</td>
<td>1.1W</td>
</tr>
<tr>
<td>Temperature range</td>
<td>0°C to 40°C (32°F to 104°F)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>332.9mm x 165.0mm x 105.2mm (13.11 in x 6.5 in x 4.14 in)</td>
</tr>
<tr>
<td>Weight</td>
<td>800g</td>
</tr>
</tbody>
</table>
1. SETTING UP THE KEYBOARD

Connect the Surveillance USB Keyboard to the Control Center PC using one of the following:
- The USB type B cable (recommended)
- The RS-232 9 way serial cable and a 12V DC power supply

In Control Center, select IndigioVision Surveillance as the CCTV keyboard type.

Press LAU YOUT, enter the number of columns and number of rows underneath the panoramic pane, followed by <YES>, then press ENT.

For example, to give a display of 1 row with a panoramic pane and 2 rows of 3 panes underneath the panoramic pane, press LAU YOUT, enter 1, 2, 3, 0, then press ENT.

To maximize or minimize panes, press MAX then press ENT.

2. OPERATING THE KEYBOARD

Viewing video
1. Select a video pane or monitor:
   Press MONI TOR, then enter the video pane or monitor number using the keypad, then press ENT.
2. Select a camera:
   Enter the camera number using the keypad, then press ENT. Alternatively, use the up or down keys to scroll through the cameras.

To stop the video in the current video pane, press STOP.

Defining a video pane layout

To change the number of video panes on the screen, you must define one of the following video pane layouts:
- Non-hotspot pane layout
  Press LAU YOUT, enter the number of columns and number of rows, then press ENT.
- Hotspot pane layout
  Press LAU YOUT, enter the number of columns, number of rows, and the hotspot code, then press ENT.

Use the following hotspot codes:
- To display the hotspots in the upper left corner, enter 1.
- To display the hotspots in the center pane, enter 5.
- For example, to display a display of 4 columns, 3 rows with hotspots in top left pane, press LAU YOUT, enter 4, 3, 1, then press ENT.
- Panoramic layout

Using PTZ controls

Select the video pane displaying video from the PTZ camera, then use the joystick to pan, tilt, or zoom:
- Pan: move the joystick to the left or right.
- Tilt: move the joystick up or down.
- Zoom in: twist the joystick clockwise.
- Zoom out: twist the joystick anticlockwise.

The further you move the joystick, the faster the camera moves.

Using focus controls

Select the camera you want to focus, then do one of the following:
- Manually increase focus distance: press FOCUS+.
- Manually reduce focus distance: press FOCUS-.
- Auto focus: press SHIFT then FOCUS.

Using iris controls

Select the camera for which you want to adjust the iris, then do one of the following:
- Manually increase the iris aperture: press IRIS+.
- Manually reduce the iris aperture: press IRIS-.
- Auto adjust the iris: press SHIFT then IRIS.

Reviewing recorded footage

- Fast-forward recorded footage at 2x speed
  Press F
- Fast-forward recorded footage at adjustable speed
  Press F to turn the shuttle ring clockwise.
  The further you turn the Shuttle ring, the faster the footage fast-forwards.
- Rewind recorded footage at 2x speed
  Press W
- Rewind recorded footage at adjustable speed
  Press W to turn the Shuttle ring counter-clockwise.
  The further you turn the Shuttle ring, the faster the footage rewinds.
- Pause recorded footage
  Press P
- Re-start paused recorded footage
  Press P again twice quickly.
- Synchronize all playback video panes
  Press S
- Playback recordings independently
  Press I.

Moving around the timeline

- View a shorter period of the timeline in more detail
  Press TLINE then +
- View a longer period of the timeline in less detail
  Press TLINE then -
- Move forwards through the timeline
  Press F
- Move backwards through the timeline
  Press B
- Turn the Jog dial clockwise.
- Turn the Jog dial counter-clockwise.
- Move the time marker to the center of the timeline
  Press MARK.

Replaying live video

- Replay 10 seconds of video from a single video pane
  Select a video pane, then press ON.
- Replay 10 seconds of video from all video panes
  Press ALL.
  The video is replayed in Playback mode.
- Stop replaying video in the selected video pane
  Press OFF.

Additional operations

- Access the camera menu
  Select the video pane displaying video from the camera, then press SHIFT then FUNC.

This operation is not available on all cameras.

- Clear a popup error message
  Press CLEAR.
- Switch to Live view
  Press MODE.
- Switch to the Playback view
  Press MODE twice quickly.

3. UPGRADING THE Firmware

You can upgrade the firmware by downloading and installing the zip file.

Before upgrading the firmware, ensure that current version of Control Center is compatible with the Surveillance USB Keyboard.

While upgrading the firmware, ensure the following:
- Control Center is not running on the PC on which you are running the upgrade.
- The Surveillance USB Keyboard is switched on throughout the upgrade.
- The Surveillance USB Keyboard is connected to the PC throughout the upgrade.

Connect the Surveillance USB Keyboard to a PC using the USB type B cable, and do the following:
1. On the PC, download and run the BootLoader installer.
   When the BootLoader is installed, the BootLoader dialog opens.
2. In the BootLoader dialog, click COM OPEN.
3. Click FILE OPEN, then click DOWNLOAD.
   A confirmation dialog opens.
4. Click OK.
   The keyboard firmware has been upgraded.

Notice
After you have upgraded the firmware, you must recalibrate the joystick.

4. CALIBRATING THE JOYSTICK

Ensure that the joystick is properly calibrated for best operation.

1. Press 3 and release, then press and hold MODE until the first prompt is displayed in the joystick calibration dialog.
2. Follow the prompts.

Table 1: Joystick calibration dialog prompts

<table>
<thead>
<tr>
<th>Prompt</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. PT OFF</td>
<td>Wait until the countdown finishes, and press ENT.</td>
</tr>
<tr>
<td>2. PAN LEFT</td>
<td>Move the joystick to the left, and press ENT.</td>
</tr>
<tr>
<td>3. PAN RIGHT</td>
<td>Move the joystick to the right, and press ENT.</td>
</tr>
<tr>
<td>4. TILT UP</td>
<td>Move the joystick up, and press ENT.</td>
</tr>
<tr>
<td>5. TILT DOWN</td>
<td>Move the joystick down, and press ENT.</td>
</tr>
<tr>
<td>6. ZOOM WIDE</td>
<td>Turn the joystick counter-clockwise, and press ENT.</td>
</tr>
<tr>
<td>7. ZOOM TELE</td>
<td>Turn the joystick clockwise, and press ENT.</td>
</tr>
</tbody>
</table>

When the calibration is finished, the dialog gives you the option to save:
3. Select <YES>, then press ENT.
4. The joystick calibration settings are saved.