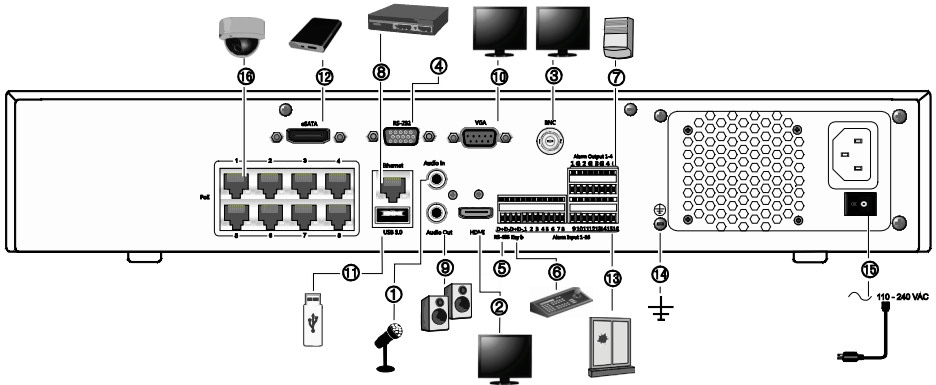


TruVision NVR 22 (S/P) Quick Start Guide

Figure 1: Back panel connections (TVN 22S shown)



1. Connect one audio input to RCA connectors.
2. Connect to an HDTV. The HDMI connection supports both digital audio and video.
3. Connect one CCTV monitor (BNC-type connectors).
4. Connect to a RS-232 device.
5. RS-485 port not used.
6. Connect to a keypad (KTD-405 shown).
7. Connect up to four alarm relay outputs.
8. Connect to a network (RJ45).
9. Connect to speakers for audio output.
10. Connect to a VGA monitor.
11. Universal Serial Bus (USB). Connect to an additional device such as a USB mouse, CD/DVD burner, or USB HDD.
12. Connect to an optional eSATA device such as HDD, CD/DVD-RM.
13. Connect up to 16 alarm inputs (depending on model).
14. Connect to ground.
15. Connect to a power cord.
16. 8/16 PoE ports (depending on model). (TVN 22S only)

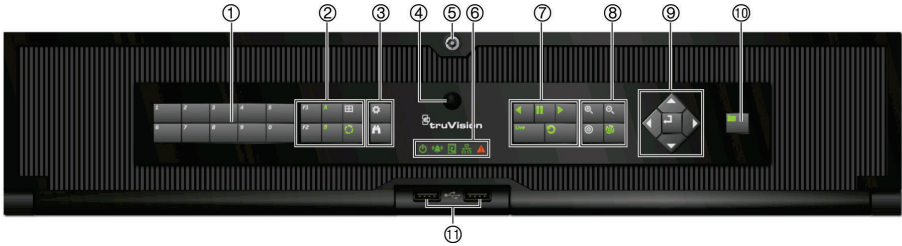
Default user ID and password:

- User ID: admin
- Password: 1234

Default IP address: 192.168.1.82

Figure 2: Front panel controls

For detailed information on all the button functions, please refer to the user manual.



Name	Description
1. Channel buttons	Switch between different cameras in live, PTZ control or playback modes. Use the soft keyboard to enter numerals 0 to 9.
2. Display buttons	<p>F1: In Playback mode, click to start and stop video clipping. For audio, press F1 and a numerical button to play the audio of the specified camera in live view. In System Information mode, get the DDNS URL. In User Management mode, pop up the Permission screen of a selected item in User Management > User > User Management. Delete a selected item from USB flash drive. Exit the virtual keypad.</p> <p>F2: In live view mode, all-day playback, and playback modes press to display or hide the time or control bar. In PTZ mode, stop all ongoing operations. Select or deselect an item. Enter a selected folder of the external storage device, such as a USB flash drive used for archiving.</p> <p>A: In Live View mode, select the main monitor.</p> <p>B: In Live View mode, select the event monitor.</p> <p>Display: In multiview mode, toggle through the various multiviews (full, quad, 1+5, 1+7, 9, and 16). In HDD information mode and user management mode delete a selected item. In PTZ mode, delete a selected key point. In Log Search mode, display the details of a log file in Log Search result.</p> <p>Seq: In Live View mode, start/stop sequencing cameras on the current monitor.</p>
3. Menu and Search buttons	<p>Menu: Enter/exit the main menu.</p> <p>Search: In live view, enter the advanced search menu.</p>
4. IR receiver	Receiver for IR remote. To connect the remote control to the recorder, press the Device button, enter the device address, and press Enter. See "IR remote control" on page 5 for more information.















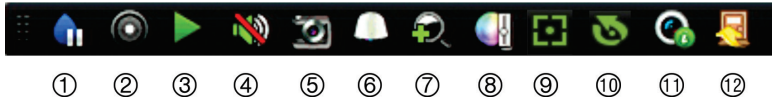
5.	Front panel lock		You can lock or unlock the front panel with a key (provided).
6.	Status LEDs		Power: A steady green light indicates the recorder is working correctly. Red indicates a fault.
			Event Alarm: A flashing red light indicates that there is a sensor Alarm In or another alarm such as motion or tampering. No light indicates that there is no alarm.
			HDD: HDD indicator blinks red when data is being read from or written to the HDD. A steady red light indicates an HDD exception or error.
			Tx/Rx: Flashing green indicates a normal network connection. No light indicates that it is not connected to a network.
			Technical Alarm: A steady red light indicates that there is a technical alarm from the recorder. No light indicates that there is no alarm.
7.	Playback buttons		Reverse: In live view mode, use to play back the earliest video. In playback mode, playback a camera in the reverse direction.
			Pause: In live view, freeze the last image of the live display for all active cameras displayed. In playback mode, stop playback.
			Play: In live view mode, play all day playback of the current camera (upper-left video tile if in multiview mode). In playback mode, play back a camera in the forward direction. In search mode, play back a selected video or view a snapshot. In PTZ mode, do an auto tour.
			Live: Switch to live view mode.
8.	PTZ buttons		Zoom +/-: In live view mode, playback mode, and PTZ control mode use this button to zoom in and out. Also use them to navigate within menus.
			Preset: In PTZ Control mode, press Preset and a numeric button to call the specified preset. Also use to edit holiday mode, video search mode, HDD selection mode, user management mode, bookmark management, and bookmark search.
			Tour: In PTZ Control mode, press Tour and a numeric button to call the specified shadow tour. Also use to scroll between calendar months and to navigate in a text field.
9.	Direction		The DIRECTION buttons are used to navigate between different fields and items in menus.
	Enter button		The ENTER button is used to confirm selection in any of the menu modes.
10.	Archive button		Press once to enter quick archive mode. Press twice to start archiving. Indicator blinks green when data is being written to backup device.
11.	USB Interfaces		Universal Serial Bus (USB) ports for additional devices such as a USB mouse, CD/DVD burner, and USB Hard Disk Drive (HDD).

Figure 3: Quick access toolbar



1. **Pause:** Freeze live image of the selected camera.
2. **Start Manual recording:** Start/stop manual recording.
3. **Instant Playback:** Play back the recorded video from the last five minutes.
4. **Audio On:** Enable/disable audio output.
5. **Snapshot:** Capture a snapshot of a video image.
6. **PTZ Control:** Enter PTZ control mode.
7. **Digital Zoom:** Enter digital zoom mode.
8. **Image Settings:** Modify the image lighting levels.
9. **Auxiliary Focus:** Automatically focus the camera lens.
10. **Lens Initialization:** Initialize the lens of a camera with a motorized lens.
11. **Stream Information:** Display the real-time frame rate, bit rate, resolution and video compression.
12. **Close:** Close the toolbar.

Package contents

The TruVision NVR 22(S/P) (model TVN 22 (S/P)) is shipped with the following items:

- IR (infrared) remote control
- Two AAA batteries for the remote control
- AC power cords (US, Europe, UK)
- USB mouse
- NVR
- CD with software and manuals
- *TruVision NVR 22(S/P) Quick Start Guide*
- *TruVision NVR 22(S/P) User Manual (on CD)*
- *TruVision Recorder Operator Guide (on CD)*

Installation environment

Refer to the user manual for detailed information, but observe these important requirements:

- Place the unit in a secure location.
- Ensure that the unit is in a well-ventilated area.
- Do not expose the unit to rain or moisture.

Quick install

Recommended steps for setting up the recorder:

1. Connect all the devices required to the back panel of the recorder. See Figure 1 on page 1.

Basic connections:

Connect monitor A to the VGA or HDMI output. Connect the mouse to the USB port in the front panel.

Optional connections:

All the other connections shown are optional and depend upon installation requirements.

2. Connect the power supply to the unit and turn on the power.
3. Set up the unit with the required settings using the setup Wizard.

First-time use

The recorder has an express installation wizard that lets you easily configure basic recorder settings when first used. It configures all cameras simultaneously. The configuration can then be customized as required.

By default, the setup wizard will start once the recorder has loaded. The wizard walks you through some of the more important settings of your recorder. Select the preferred language for the system and then enter the administrator password. The default admin password is 1234. It is strongly recommended that this password is changed.

The wizard will then guide you through the menus to set the time and date, network configuration, HDD management, and recording configuration.

When all the required changes have been entered, click **Finish** to exit the wizard. The recorder is now ready to use. Recording starts automatically.



Important: Your TruVision device is delivered with default user name and password credentials for initial access, easy configuration and auto discovery. For security reasons, it is highly recommended to change the default credentials.

Operating the recorder

There are several ways to control the unit:

- Front panel control
- IR remote control
- Mouse control
- TVK-800 keypad
- Web browser control
- Software (TruVision Navigator, TVRmobile or other video management or integration software platforms)

Front panel

The buttons on the front panel control most functions. See Figure 2 on page 4 for the locations of the controls.

IR remote control

The IR remote control buttons are similar to those on the front panel. Place the two AAA batteries in the remote control.

To connect the remote control to the recorder:

1. Press **Menu** on the front panel or right-click the mouse and select **Menu**. The main menu screen appears.
2. Select **Display Mode Settings > Monitor**.
3. Check the recorder's device address value. The default value is 255. The device address is valid for all IR controls.
4. On the remote control press the **Device** button.
5. Enter the device address value. It must be the same as that on the recorder.
6. Press **OK** on the remote control.

USB mouse

The USB mouse provided with the recorder operates all the functions of the recorder, unlike the front panel, which has limited functionality. The mouse lets you navigate and make changes to settings in the user interface.

Connect the mouse to the recorder by plugging the mouse USB connector into the USB port on the back or front panel. The mouse is immediately operational and the pointer should appear.

Web browser control

The recorder's Web browser lets you view, record, and play back videos as well as manage all aspects of the recorder from any PC with Internet access. The browser's easy-to-use controls give you quick access to all recorder functions.

To access the unit, open a web browser and enter the IP address assigned to the recorder as a web address. In the logon screen, enter the default user ID and password:

- User ID: admin
- Password: 1234

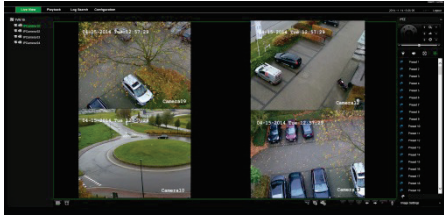
The default values for recorder network settings are:

- DHCP: Disabled by default.
- IP address - 192.168.1.82
- Subnet mask - 255.255.255.0

- Gateway address - 192.168.1.1
- Server Port: 8000
- HTTP Port: 80
- RTSP port: 554

Note: The following ports need to be forwarded in the router in order to connect properly: Server port and RTSP port.

Figure 4: Web browser interface



Live view mode

Live mode is the normal operating mode of the unit where you watch live pictures from the cameras.

Regularly used functions in live view can be quickly accessed by clicking the left-button of the mouse when its cursor is on the camera image. The shortcut pop-up toolbar appears. See Figure 3 on page 4 for a description of the functions available.

Configuring the recorder

The recorder has an icon-driven menu structure that allows you to configure the unit's parameters. Each command icon displays a screen that lets you edit a group of settings. Most menus are available only to system administrators.

Refer to the recorder user manual for detailed information on configuring the unit.

To access the main menu from live view:

- Press the **Menu** button on the remote control or front panel.
- Or -

- Right-click the mouse and select **Menu** from the pop-up menu.

The main menu screen appears. Move the mouse over a command icon in the menu toolbar and click to select it.



Description of the command icons in the menu toolbar:



Configures display settings.



Configures analog and IP camera settings.



Configures standard network settings.



Configures recording settings.



Configures alarm and event settings such as alarm inputs/outputs, notifications, and intrusion panel/zone setup.



Configures system settings.



Configures storage management.



Configures user settings.



View system information.



Provides reference information to the various toolbars and menus within the interface.



Provides access to logout, reboot and shutdown options.

Specifications

Power supply:

TVN 22	100 to 240 VAC, 1 A, 50 to 60 Hz
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TVN 22S	100 to 240 VAC, 2.5 A, 50 to 60 Hz
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TVN 22P	100 to 240 VAC, 2 A, 50 to 60 Hz
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Power consumption (without HDD):

≤30 W

Operating temperature:	-10 to +55 °C (14 to 131 °F)
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Relative humidity:	10 to 90%
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Dimensions (W x D x H):	445 × 470 × 90 mm (17.5 × 18.5 × 3.5 in.)
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Weight (without HDD):	≤ 10 kg (≤ 22 lb.)
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Contact information

For contact information, go to www.interlogix.com, or www.utcssecurityproducts

