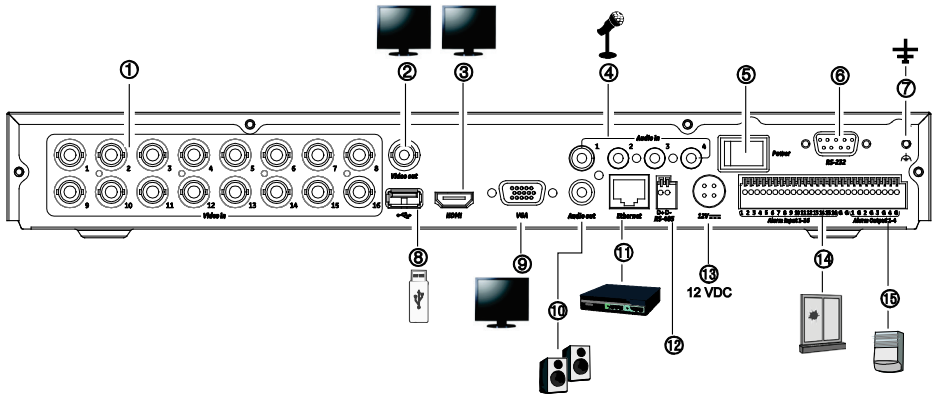**interlogix**
United Technologies

TVR 15HD Quick Start Guide
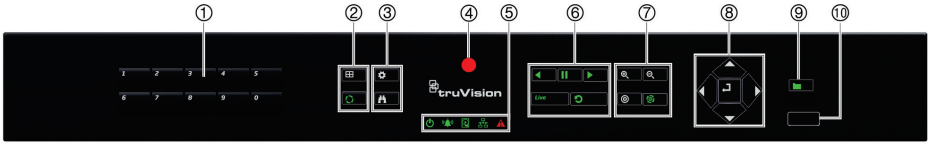
Figure 1: Back panel connections

1. Connect up to 16 analog cameras to BNC-type connectors (depends on the recorder model).
2. Connect one CCTV monitor (BNC-type connector).
3. Connect to a HDTV. The HDMI connection supports both digital audio and video.
4. Connect four audio inputs to RCA connectors.
5. Power switch (on/off).
6. Connect to a RS-232 device.
7. Connect to ground.
8. Connect to an optional USB device such as a mouse, CD/DVD burner or HDD.
9. Connect to a VGA monitor.
10. Connect to speakers for audio output.
11. Connect to a network.
12. Connect to a RS-485 device such as a PTZ camera or a keypad.
13. Connect to the 12 VDC PSU (included).
14. Connect up to 16 alarm inputs.
15. Connect up to four alarm outputs.

Default IP address: 192.168.1.82

Figure 2: Front panel controls (8-channel model shown)

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	⊞	**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.
			Seq: In Live View mode, start/stop sequencing cameras on the current monitor.
3.	Menu and Search buttons		**Menu**: Enter/exit the main menu.
			Search: In live view, enter the advanced search menu.
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" **Error! Bookmark not defined.** for more information.
5.	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: Steady 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.
6.	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.

	Name		Description
			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.
			Replay: In playback mode, start playing the current file. Starts at the beginning of the file.
7.	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.
8.	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.
9.	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.
10.	USB Interface		Universal Serial Bus (USB) port for additional devices such as a USB mouse, CD/DVD burner, or USB Hard Disk Drive (HDD).

Figure 3: Live view 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 DVR 15HD (model TVR 15HD) is shipped with the following items:

- IR (infrared) remote control
- Two AAA batteries for the remote control
- AC power cords
- 12 VDC PSU
- USB mouse
- DVR
- CD with software and manuals
- *TruVision DVR 15HD Quick Start Guide*
- *TruVision DVR 15HD 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 the cameras to the BNC camera inputs and monitor A to the BNC, 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. You must define a high-security admin password before you can access the unit. There is no default password provided.

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.

Operating the recorder

There are several ways to control the unit:

- Front panel control
- IR remote control
- Mouse control
- Web browser control
- TVK-800 keypad
- Software (TruVision Navigator, TVRmobile)

Front panel

The buttons on the front panel control most functions. See Figure 2 on page 2 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 user ID and password:
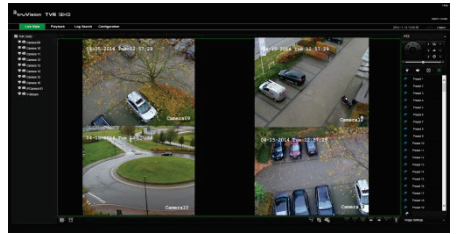
The default values for recorder network settings are:

• 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 live view toolbar appears. See Figure 3 on page 3 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.
	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:	12 VDC

Power consumption (without HDD):

TVR 1504cHD	≤ 15 W
TVR 1508HD	≤ 20 W
TVR 1516HD	≤ 20 W

Operating temperature:	-10 to +55 ºC (14 to 131 °F)
Relative humidity:	10 to 90%

Dimensions (W x H x D):

TVR 1504cHD	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 in.)
TVR 1508HD TVR 1516HD	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 in.)

Weight (without HDD):

TVR 1504cHD	≤ 1.5 kg (3.3 lb.)
TVR 1508HD	≤ 2.5 kg (5.5 lb.)
TVR 1516HD	≤ 2.5 kg (5.5 lb.)

Legal and Regulatory information

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FCC compliance
Class B: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC conditions
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This Device must accept any interference received, including interference that may cause undesired operation.

Canada
This Class B digital apparatus complies with CAN ICES-003 (B)/NMB-3 (B).

Cet appareil numérique de la classe B est conforme à la norme CAN ICES-003 (B)/NMB-3 (B).

ACMA compliance
Notice! This is a Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Certification

EU directives
This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

2013/56/EU & 2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info.

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