

TruVision TVK-600 Operator Guide: DVR by RS-485 Mode

Introduction

This guide explains how to control a recorder, which can be connected to a single analog/HD-TVI PTZ dome, using the RS-485 port of the TVK-600 keypad.

The DVR by RS-485 mode is one of four modes available in the keypad that can be used to control devices. This guide only describes how to use the DVR by RS-485 mode. There are separate operator guides for the other modes.

See Table 1 below for the list of devices that are supported by the *DVR by RS-485* mode.

Table 1: List of TruVision devices supported by DVR by RS-485 mode

TVN 22	TVR 40
TVR 15HD	TVR 41
TVR 45HD	TVR 42
TVR 46	TVR 60
TVN 21	

Note: TruVision non PTZ IP cameras and encoders are not supported by this mode except as an input.

Before you start

Before you can control a recorder using the keypad, you first need to tell the keypad which devices to control.

Every device added to the keypad must have a unique ID. You need to tell the keypad the specific recorder, monitor, and camera that you want to control.

You enter the ID of the recorder (DEV), then that of the monitor (MON), and then that of the camera (CAM) to be controlled. This ID information is provided by your manager.

DEV: The ID of the recorder you want to control.

MON: This is the ID of the monitor you want to control.

CAM: This is the ID of the camera you want to control.

Important! Before you start using the keypad to control devices, ensure that you have received from your manager the list of device IDs that you will be using and that they are categorized by recorder (DEV), monitor (MON), and camera (CAM). You also should receive the list of multiscreen (MULT) formats available for each recorder that you can control.

Note: The text in the keypad's LCD screen is only available in English.

Controlling devices

To control a recorder:

1. Power-up the keypad and press the button on top of the joystick to get the login screen. Enter your name and password to log in to the keypad.

Note: In the Login dialog box, if you enter the wrong password five times, you will be locked out for 30 minutes.

2. Press the **MODE** button on the keypad.

The LCD display lists the four keypad operation modes to control devices (see Figure 1 on page 2).

1. Keyboard
 2. DVR by IP
 3. DVR by RS-485
 4. Dome by RS-485

3. Press the numeric button **3**, or press **PREV/NEXT** to scroll up/down the list, to select **DVR by RS-485** and press **OK**.
4. This screen appears:

DEV :
 KEY:

To select your device, enter the ID number of the recorder to control and then press the **DEV** button. The number appears beside DEV on screen.

- There is no KEY button on the keypad. This text stands for “Keyboard buttons”. You need to enter both the monitor and camera IDs here.

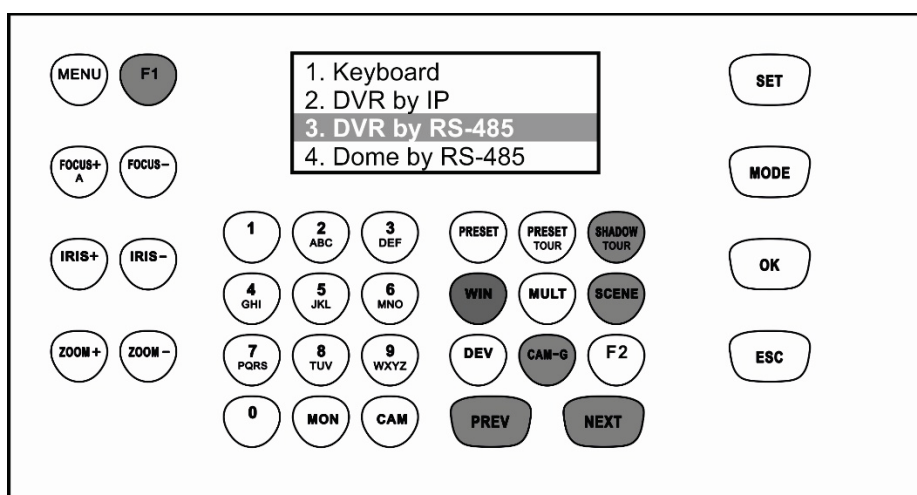
Enter the ID of the desired monitor and press the **MON** button.

Note: 1 **MON** is the main monitor.

Then enter the ID of the desired PTZ camera and press the **CAM** button. These two sets of numbers appear beside KEY on screen.

- Select the desired multiview format. Enter the multiview number and then press the **MULT** button. The multiview display settings available depends on the recorder. Your selected multiview setting is seen on the monitor. See the complete list of settings for the MULT button in Table 2 below.
- You can now start to control the PTZ dome camera and recorder with the keypad. See Figure 1 and Table 2 below for the description of how to use the keypad buttons.

Figure 1: DVR by RS-485 mode



Buttons shown in white can be used in DVR by RS-485 mode.

Table 2: How to control a recorder using DVR by RS-485 mode

Numeric button	Keypad button	Action
N	DEV	Press the numeric button(s) of the desired recorder ID and this function button to select the recorder.
N	MON	Press the numeric button for the desired monitor and this function button to select the monitor.
N	CAM	Press the numeric button for the ID of the desired camera and this function button to select the camera.

Numeric button	Keypad button	Action
N		Press the numeric button(s) for the desired multiview display mode and this function button to select the multiview of the video wall. For example, if you enter 4 and MULT, you will get a 2*2 multiview. The number of multiview display settings available depends on the recorder. Therefore not all those listed below may be available. Full screen display = 1 and  2*2 multiview display = 4 and  1+5 multiview display = 6 and  1+7 multiview display = 8 and  3*3 multiview display = 9 and  4*4 multiview display = 16 and  5*5 multiview display = 25 and  6*6 multiview display = 32 and 
		Press this button to have the same function as the F1 button on the recorder. In Playback mode, click to start and stop video clipping. For audio, press F1 and a numeric button to play the audio of the specified camera in live view.
		Press this button to have the same function as the F2 button on the recorder. In live view mode, 24-hour 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.
		Press this button to enter or exit the recorder's menu on the monitor.
		Press this button to enter the main menu on the LCD display.
	 / TOP	Press this button or the top of the joystick to enter or exit the PTZ control mode.
		Press this button to enter the keypad mode menu. Select one of the four modes from the list.
N		Press the numeric buttons for a desired preset and this button to call up the preset.
N		Press the numeric buttons for a desired preset tour and this button to call up the preset tour.
		Press this button to zoom in.
		Press this button to zoom out.
	Numeric buttons	Press a numeric button to enter a specific number.
		Press this button to delete the number entered.

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