

# TVN 71 Release Notes

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## Product summary

This is the TVN 71 Release Notes with additional information not covered in the user manual.

The TVN 71 series is a Network Video Recorder with an incoming bandwidth of 576 Mbps and can connect to a maximum of 128 cameras. The recorder is available in a RAID and non-RAID configuration.

For the latest information on the TVN 71, please visit:

EMEA: <https://firesecurityproducts.com>

Australia: <https://firesecurityproducts.com.au/>

## Firmware version 1.7

**Date of release:** 24<sup>th</sup> June 2024

### Enhancements

- Support for the new fisheye cameras that will be released later in 2024.

### Bug fixes

- Fixed an issue for the TVS-5101 camera: when EFR is used the streams of channels 2.3 and 4 can be viewed correctly.
- Fixed an issue with the 802.1X certificate

## Firmware version 1.6

**Date of release:** 7<sup>th</sup> November 2023

### New features and enhancements

- Support for the TruVision P Series IP cameras
- The default value for the recording retention time is set to 30 days. This change will not affect the current retention time when the firmware is upgraded to this version.

## Firmware version 1.5

**Date of release:** October 2022

### New features and enhancements

- The security for the user passwords has increased: passwords need to have a higher complexity and number of allowed attempts has been reduced to three before the recorder access is locked for 30 minutes (web mode).
- The player that can be exported from the recorder was updated to support the recent released TruVision IP cameras.
- The alarm output behavior for Disable Actions can be defined.
- TLS v1.2 is now supported when sending emails via the recorder.
- Cybersecurity updates
- The snapshot resolution for snapshots that are sent via the email function has been increased to 4CIF resolution.
- Support for new TruVision M/P IP PTZ cameras

## Bug fixes

- An issue was fixed with the VCA recording color legend shown in the playback timeline for the TruVision Series 6 IP cameras on certain camera channels (1, 33 and 65) for systems that have more than 33 cameras.
- An issue was fixed for the receiving time of ANPR events from ANPR cameras when the recorder was using firmware version 1.4.

## Firmware version 1.4

**Date of release: October 2021**

### New features and enhancements

- In this firmware version, network port 7681 is configurable. This port is used when Google Chrome, Mozilla Firefox or Apple Safari is used as web browser.
- The web plugin for use with Internet Explorer has new valid certificates.

## Bug fixes

- An update has been made for some text strings in Polish on the webpage.
- A fix has been implemented to show the VCA bounding boxes for the S7 IP cameras.
- An issue was fixed with transcoding in live mode: the correct resolution is now used.

## Firmware version 1.3

**Date of release: February 2021**

### New features and enhancements

- **Plug-in free solution:** This firmware lets you use other web browsers than Internet Explorer.

The recorder's webpage can also be opened in the following web browsers:

On Windows PCs:

- Google Chrome (as of version 45)
- Mozilla Firefox (as of version 52)

On Mac OS:

- Google Chrome (as of version 45)
- Apple Safari (as of version 10)

Specifications of the plug-in-free solution:

Mode	Function	Result	Remark
Live	Live view	Possible for resolution <= 1080p; bit rate<= 2048kbps	To view higher resolution/quality cameras, use the substream.
	Audio	Supported (in main stream)	
	Capture a snapshot	Supported	
	Digital zoom	Supported	
	Window division	Supported	
	Full screen view	Supported	
	Local record	Only supported for Google Chrome	
Playback	Playback	1 channel @ 1080P (max.)	
	Fast forward	Not supported	
	Single frame	Not supported	
	Reverse playback	Not supported	
	Download a video clip	Supported	
Configuration	Export device parameters	Supported	
	Import device parameters	Supported	
	Firmware upgrade	Supported	
	Draw area (Motion/VCA)	Supported	
	Export log	Support for .TXT format	
	Local configuration	Not supported	
	File path setting	Only the file name can be displayed. The full path cannot be shown.	

- **Disable Actions**

Disable Actions changes the recorder behavior when an intrusion panel is disarmed.

The intrusion panel can report its arming status via the OH integration (SIA/XSIA message of an Aritech intrusion panel), or an intrusion panel output can be connected to the first alarm input of the recorder.

The recorder will then disable all actions related to events (motion, VCA) and alarm inputs.

The recording behavior can also be configured when the alarm panel is disarmed:

- Event/alarm recordings can be stopped while continuous recording will continue
- All recordings will be disabled
- No influence on recordings

### **Bug fixes**

- The embedded player can also merge video files.
- It is now possible to save the VCA settings when using Series 7 IP cameras.
- This firmware fixes an issue with the temperature display when using the TruVision thermal cameras.
- This firmware fixes an issue with assigning the license plate events to the correct list (white/black) when using the TruVision ANPR cameras.
- Motion and VCA events are no longer stored in the log file of the recorder when the actions schedule is not active.

### **Known limitations**

- The issue with not showing the VCA bounding boxes/lines in live view is not solved in this firmware. A workaround is to show the substream instead of the main stream. The VCA lines are visible in the substream.
- The events that are received from an intrusion panel are still logged in the log file, although the action schedule is not active.

## **Firmware version 1.2**

**Date of release: October 2019**

### **New features and enhancements**

- This firmware provides support for the new 4 TB, 6 TB and 8 TB Western Digital Ultra Star RAID hard drives (TVN-HDDR-4TB-2, TVN-HDDR-6TB-2 and TVN-HDDR-8TB-1) for RAID TVN 71 recorders (TVN-7101R-XX models).
- Support for temperature exception and fire detection events for TruVision thermal cameras.
- An informative text was added to inform users on setting up the Advanced Motion Detection function in the cameras
- Thumbnail function: this function, available in TruVision Navigator since 8.0SP2, is supported by the TVN 71. It enables a quicker search for recorded incidents.
- Support for two extra SIA/XSIA codes for zone events for the intrusion panel reporting. The extra codes that are supported are:

- BV: intrusion alarm verified
- HV: hold-up verified
- When these codes are reported by the panel to the recorder for a zone, they will also trigger the actions that are setup for this zone.
- Support for ANPR cameras
- Support for 802.1x authentication (EAP-PEAP and EAP-TLS)
- Supports the possibility to assign a name to a custom RTSP stream
- Support for the new 360° cameras (6 and 12 MPx resolution)
- Support for the new TVE encoder series
- An updated digital signature is added for the ActiveX web plugin

### **Bug fixes**

- Resolves an issue with playback when a user selects a time/date for which no recorded video exists

## **Firmware version 1.1h**

**Date of release: October 2019**

### **New features and enhancements**

- This firmware provides support for the new 4 TB, 6 TB and 8 TB Western Digital Ultra Star RAID hard drives for RAID TVN 71 recorders (TVN-7101R-XX models).

### **Known limitations**

- When a TVN 71 is updated with this firmware and was using push notifications to TVRMobile 3.0 before, the push notifications will stop working.

To receive push notifications again, the recorder will need to be restored to default settings. The recorder needs to be removed from TVRMobile, then added again and push notifications need to be enabled again. This is an issue of TVRMobile and will be fixed in a next version.

## **Firmware version 1.1f**

**Date of release: March 2019**

### **New features and enhancements**

- This firmware provides support for the eight TB Western Digital Purple hard drives (WD81PURX) for non-RAID TVN 71 recorders.

## Known limitations

- When a TVN 71 that uses push notifications to TVRMobile 3.0 is then updated with this firmware, the push notifications will stop working.

To receive push notifications again, the recorder must be restored to default settings. The recorder needs to be removed from TVRMobile, and then added again. The push notifications also need to be enabled again. This is an issue with TVRMobile and will be fixed in a next version.

## Firmware version 1.1e

**Date of release: October 2018**

### New features and enhancements

- The download speed to download files from the recorder to the PC has been increased. The backup speed to backup media (such as a USB drive) stays the same.

### Bug fixes

- Resolved an issue with previous firmware that was unable to generate motion detection events for channels 65 to 128 in OnGuard

## Known limitations

- When a TVN 71 that was previously using push notifications to TVRMobile 3.0 is updated with this firmware, the push notifications will stop working.

To receive push notifications again, the recorder will need to be restored to default settings. Remove the recorder from TVRMobile and then add it again. Re-enable push notifications. This is a known issue of TVRMobile and will be fixed in a next version.

- A firmware upgrade will fail when HTTPS is used, and the upgrade is done via the IE web browser.

The firmware will upgrade successful when it is done via TruVision Device Manager or when HTTPS is disabled.

## Firmware version 1.1d

**Date of release: September 2018**

### New features and enhancements

The download speed for downloading files from the recorder to the PC has been increased. The backup speed to backup media (like a USB drive) stays the same.

## Bug fixes

- Resolved an issue with previous firmware that was unable to generate motion detection events for channels 65 to 128 in OnGuard.

## Known limitations

- When a TVN 71 that was previously using push notifications to TVRMobile 3.0 is updated with this firmware, the push notifications will stop working.

To receive push notifications again, the recorder will need to be restored to default settings. Remove the recorder from TVRMobile and then add it again. Re-enable push notifications. This is a known issue of TVRMobile and will be fixed in a next version.

## Firmware version 1.1

**Date of release: July 2018**

### New features and enhancements

- A name can be entered for ONVIF cameras, and that name will appear in the tree structure of TruVision Navigator and the recorder's webpage.
- When playback is done via TruVision Navigator and video is searched for a time/date for which no video exists, the playback will start for the next available video clip.
- Security enhancements
- VCA events (cross line detection, intrusion detection) of thermal cameras are supported

### Bug fixes

- Able to call up preset 256

## Firmware version 1.0

**Date of release: February 2018**

### Known limitations

The following defects and limitations are present in TVN 71 FW 1.0 and are listed for resolution in future development:

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A high performance PC is needed when operating a PTZ camera in a 3x3 or 4x4 layout.

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The result in the chart for object counting on the camera web page may differ from that shown on the TVN 71 web page. This is because the camera pushes the data to the recorder every 15 minutes.

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The front panel USB port cannot be used for video archiving. The back panel USB port needs to be used.

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When the web page is not maximized, some buttons of the playback bar may not be displayed correctly. Workaround: Maximize the webpage to see all the buttons.

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During the *Quick Add* process for cameras, the recorder will try to add the cameras with password '1234' or the recorder's admin password to log in to the camera. So, when adding cameras via *Quick Add*, make sure that the password of the camera matches the recorder's password.

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360° camera: It does not switch back to main stream when substream is used on the web page.

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The alarm notification icon is shown when using the V-stream on the web page.

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Preset 256 cannot be called up for PTZ cameras

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The fire detection and temperature alarm events for thermal cameras are not supported.

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IP address filter: Maximum number of IP addresses is 16.

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Hot spare: No message is shown to user for the amount of bandwidth required to have failover working successfully.

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Backup successful message appears within a few seconds in the browser although the "Archiving is in progress" is shown in the TVN 71 recorder. Only remove the archiving device when the LED indication of the recorder is off

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The heartbeat alarm cannot be shown in the *Notifier* of TruVision Navigator 7.1. It can be shown in the *Alarm Center* of the recorder's web page.

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FW 1.0 does not support the reporting of VCA events from thermal cameras.

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## Configuration recommendations

When using more than 64 cameras on a TVN 71, it is recommended to use specific settings in the recorder for the hard drives, network, and event actions.

Please see the document "Guidelines for using recorders with 32 or more cameras" (part number 1073416A) or Appendix D in the User Manual of the TVN 71 for more specific information.

## Contacting support

For help installing, operating, maintaining, and troubleshooting this product, refer to this document and any other documentation provided. If you still have questions, contact us during business hours (Monday through Friday, excluding holidays).

**Note:** Please be ready at the equipment before calling.

**Table 1: Technical support**

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**Europe, Middle East, and Africa**

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W Go to [www.firesecurityproducts.com/en/contact](http://www.firesecurityproducts.com/en/contact)

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**Australia**

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E [cs@firesecurityproducts.zendesk.com](mailto:cs@firesecurityproducts.zendesk.com)

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W [www.firesecurityproducts.com.au/support](http://www.firesecurityproducts.com.au/support)

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