
Release Notes

EDVR

EDVR v1.54 update from v1.53A

EDVR v1.53A update from v1.44A

Client Software v3.75 update from v3.74

Note:

In case of discrepancy, the information in this document supersedes the information in any document referenced herein.

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What's New in This Release?

EDVR v1.54 update from v1.53A

Many new features and enhancements have been added to the EDVR FW v1.54.

Software features and enhancements include:

- Switch enabled between NTSC and PAL mode
- Fixed bug that AVI file search on SD card fails to bring up the first image
- Fixed cosmetic error on "DISPLAY" information
- Fixed partially displayed error message when SD card is pulled out from the slot at the JPG delete menu
- Corrected JPG image error
- Using incorrect image size in Basic mode computation of "Possible Recording Time" and "Remaining Time" error corrected
- Corrected error of using incorrect record rate to compute "Possible Recording Time" and "Remaining Time" when EDVR is set up not to initiate alarm-triggered recording
- Higher compression rate and smaller image size (this is an update of v1.53A from v1.44A but was overlooked in the release notes of v1.53A)
- Companion utility EDVR Record Calculator released
- Translation revamp
- Documentation revision

EDVR v1.53A update from v1.44A

Many new features and enhancements have been added to the EDVR FW v1.53A.

Software features and enhancements include:

- Extended Video Clip Export Duration
- Increased the speed of Video Clip Export
- Added Language selection
- Updated US Daylight Savings Change
- Changed Record default to "On"
- Added 10 msec Timestamp on images
- Corrected word from "Weekly" to "Everyday"

- Correct word order displayed
- Fixed bug that FW update occasionally fails
- Fixed bug that CD Write sometimes fails

See [New Features and Enhancements](#), page 4, for more details on the added features.

New Features and Enhancements

EDVR v1.54 update from v1.53A

Switch enabled between NTSC and PAL mode

When pressing the Pause and Up keys from the front panel, the system now correctly switches from the current mode (NTSC or PAL) to the other mode (PAL or NTSC).

Fixed bug that AVI file search on SD card fails to bring up the first image

A v1.53A bug is fixed in v1.54 to allow the viewing of images which failed to be displayed. After inserting an SD card (containing at least one previously exported AVI file) and entering search mode, select "SD Card" from the search menu. The first file image should be displayed when an AVI file is highlighted. In v1.53A, the image display failed and resulted in a blank image with an error message.

Fixed cosmetic error on "DISPLAY" information

When pressing the "DISPLAY" button, some of the words displayed were broken off. This is now fixed.

Fixed partially displayed error message when SD card is pulled out from the slot at the JPG delete menu

After inserting an SD card (containing at least one previously exported JPG file) and entering search mode, select "SD Card" from the search menu. When a JPG file is highlighted, press the Enter key to go into the Delete menu. If you pull the SD card out from the slot at this time, the screen will display the message "SD Card Is Not Found". In v1.53A, a partial message is displayed. This is fixed in v1.54.

Corrected JPG image error

A JPG image display error detectable in the Client software or IE browser is fixed. The error showed up as intermittent color fade or change to red, green or other colors in either Live or Playback mode.

Using incorrect image size in Basic mode computation of “Possible Recording Time” and “Remaining Time” error corrected

In v1.53A, the average image size for “Basic” image quality setting was incorrectly determined as 8KB. The correct number is 11KB. This error led to larger values of the “Possible Recording Time” and “Remaining Time” being displayed on screen when the Display button was pressed twice. This is now rectified to give more correct estimates of the two values under average image characteristics and camera quality.

Corrected error of using incorrect record rate to compute “Possible Recording Time” and “Remaining Time” when EDVR is set up not to initiate alarm-triggered recording

EDVR v1.54 can be set up to trigger recording on alarm. You can do this by going to the Main Menu > Advanced Settings > Alarm Settings > Alarm Out Link > Start Record, then highlight the desired alarm type and set value to “Yes”. When this procedure is performed and an alarm is encountered, the record rate will automatically change from normal to alarm record rate for the alarm duration.

However, if the value is set to “No”, when an alarm is encountered the normal record rate remains. In v1.53A, for the latter case (the “No” setting) the alarm record rate was used for computing “Possible Recording Time” and “Remaining Time” when the normal rate should have been used.

Higher compression rate and smaller image size (this is an update of v1.53A from v1.44A but was overlooked in the release notes of v1.53A)

In v1.44A, the ranges of image size in four selectable qualities were:

BEST: 38K ~ 42K

HIGH: 30K ~ 34K

STANDARD: 22K ~ 26K

BASIC: 14K ~ 18K

In v1.53A and up these are:

BEST: 38K ~ 42K

HIGH: 26K ~ 30K

STANDARD: 14K ~ 18K

BASIC: 8K ~ 14K

Note that v1.53A and up use higher compression rates than v1.44A. The quality setting of STANDARD in the former corresponds to that of BASIC in the latter. This change means a longer recording time if you are happy with the image quality.

Companion utility EDVR Record Calculator released

A Calculator utility has been released to help users estimate the maximum recording duration attainable in the system.

Translation revamp

In both EDVR FW v1.54 and Client SW v3.75, translation to French, German, Italian and Spanish has been totally revamped. Due to system limitations, certain words and characters will remain in English until a future release. These are listed in the [Known Limitations table](#) below (page 11).

Documentation revision

The Quick Setup Guide (QSG) and Installation and Operation Guide (IOG) documents have been revised to reflect the new translations.

Contents of the IOG have also been revised to give a more in depth and comprehensive description of the Alarm Record Rate and Alarm Record Mode. The new information will help users understand the Calculator utility mentioned above, and the Alarm Record Rate and Mode in general.

EDVR v1.53A update from v1.44A

Extended Video Clip Export Duration

The maximum export duration has been extended from 10 to 30 minutes.

Please note that the export is limited by the capacity of the target media and not the duration of the clip. For example, if you have a 10 minute clip but the size of the clip exceeds the capacity of the CD, you will get an error message "CD Capacity Not Enough".

(See Known Limitations – [Extended Video Clip Export Duration](#), page 12.)

Increased the speed of Video Clip Export

The speed of video clip export has been doubled.

Added Language selection

EDVR v1.53A allows you to make a language selection. This menu item provides a real-time language setting (no re-boot required). From the Main Menu, press the CALL button simultaneously with the < or > button to select a language from the options: "ENGLISH", "FRANCAIS", "ESPANOL", "ITALIANO" or "DEUTSCH".

Updated US Daylight Savings Change

On Monday August 8, 2005 President Bush signed into law a broad energy bill that will extend Daylight Saving Time by four weeks beginning in 2007. The provisions of the bill call for Daylight Saving Time to begin three weeks earlier on the second Sunday in March and end on the first Sunday in November. Currently Daylight Saving Time starts on the first Sunday in April and ends on the last Sunday in October.

Changed Record default to "On"

Each time the EDVR is powered up it automatically starts recording if a hard drive is installed in the EDVR. Automatic recording does not start at power up if a Schedule is enabled.

(See Known Limitations – [Changed Record default to "On"](#), page 12.)

Added 10 msec Timestamp on images

This feature is not required for API Bridge to function; the change benefits API Bridge clients if a higher resolution timestamp is desired. In previous releases, images are time stamped on sec resolution. The resolution is now increased to 10 msec.

Corrected word from “Weekly” to “Everyday”

The “Weekly” selection actually means everyday. This has been corrected and now displays “Everyday” as shown in the following procedure:

1. Press Menu, then Enter from the front panel to view the Main Menu.
2. Select Advanced Settings from the Main Menu, then press Enter.
3. Select Schedule, followed by Enter from the Advanced Settings menu.
4. Highlight any schedule and press Enter, followed by pressing Enter again on the front panel. The Notice Date is highlighted.
5. Use the jog shuttle to scroll through the date selections: “MON” ... “MON-FRI” and “Weekly”. The “Weekly” selection now displays “Everyday”.

Correct word order displayed

EDVR v1.53A contains word corrections within the following menu options:

1. Press the Menu button on the front panel to view the Main Menu.
2. Select Password Settings to bring up the display of the following four options:
 - i. Menu Password
 - ii. Advance Password Settings
 - iii. Default Password Settings
 - iv. Reformat Password

Menu options ii and iii have been corrected and now display as:

- ii. Advance Settings Password
- iii. Default Settings Password

Fixed bug that FW update occasionally fails

When updating FW on a previous release using the SD card, the update occasionally fails.

This is now fixed.

Fixed bug that CD Write sometimes fails

In very rare cases, clip export to CD may fail. This is now fixed.

Client SW v3.75 update from v3.74

Translation revamp

In both EDVR FW v1.54 and Client SW v3.75, translation to French, German, Italian and Spanish has been totally revamped. Due to system limitations, certain words and characters will remain in English until a future release. These are listed in the [Known Limitations table](#) below (page 11).

Known Limitations and Known Issues

Description	Further Information
<p>FW v1.53A and up: under a special condition, the actual recording rate can be lower than that displayed on the hint screen.</p>	<p>When alarm recording is triggered in a single camera set up in Exclusive alarm mode, this alarm camera will be the only camera recorded for the alarm duration. If the alarm record rate is set at equal to or greater than the maximum rate allowed (30 IPS for NTSC and 25 for PAL), this camera is expected to be recording at the maximum allowed rate displayable on the hint screen (press Display button twice). However, when exactly four cameras are present, the system will not be able to achieve this maximum record rate. Depending on the content of the images, the actual rate can be 3 to 5 IPS lower than the maximum. This translates into recording rate of 25 – 27 IPS for NTSC and 20 – 22 IPS for PAL.</p> <p>When the number of cameras is not equal to four, this problem is not observed.</p>
<p>In FW v1.53A and up, images become pixilated on cameras with record quality set to BASIC.</p>	<p>If the RECORD quality for a camera is set to BASIC, then images played back images at the EDVR, and both LIVE and played back images viewed from Client or IE browser will be pixilated. This did not happen in v1.44A and is a side effect of the higher compression rate in v1.53A and later.</p> <p>Notice that the next higher quality setting, STANDARD, in v1.53A and later corresponds to BASIC in v1.44A.</p>

Description	Further Information
Date time display is not 100% globalized.	<p>From EDVR, date format can be selected from MM/DD/YYYY, DD/MM/YYYY or YYYY/MM/DD.</p> <p>From the Client, only the first two formats are available. In either EDVR or the Client, the separator “/” cannot be changed to other symbols.</p> <p>From EDVR, time format can be selected from 12 or 24 hour clock. From the Client, time is displayed only in 24 hour clock.</p>
PTZ control panel is in English only.	The PTZ control panel displays only English regardless of the language selected.
In EDVR Client SW, all status messages are displayed in English only.	Status messages at the bottom of the window will remain English regardless of the language selected.
Decimal point is in US format.	Decimal point “.” is always used, regardless of the language selected. For example, “0.3 SEK” instead of “0,3 SEK” is used in German.
On EDVR, only the English character set is used.	EDVR only displays the English alphabet, even for other languages. Specifically, this means the absence of diacritic marks in French, German and Spanish, and the replacement of ligature “ß” with “ss”.
EDVR Client Installer is not localized.	Client Installer is in English only.

Description	Further Information
<p>Extended Video Clip Export Duration.</p>	<p>When you export to CD from the “CD AVI Menu” the image sizes of 32K for CIF Format and 64K for Full Format are fixed, regardless of the Record Quality Setting (Best, High, Standard, Basic) of the clip.</p> <p>In the “CD AVI Menu” the export time can be set from 10 seconds to a maximum of 30 minutes. The export time will only be achieved if the recorded clip file size does not exceed the CD storage capacity. The recorded clip file size depends on the number of cameras and the Frame Rate Setting.</p>
<p>Limitation on the number of concurrent remote clients.</p>	<p>The number of concurrent clients accessing EDVR remotely, including EDVR Client and Web browser, is limited by the bandwidth of the network. On a LAN, it is possible to achieve over 10 clients: Client or browser individually or combined. Over the Internet, this number can be far less, with longer latency. The maximum number we recommend is 5 for the browser alone, or 3 for the EDVR Client alone or combined.</p>
<p>Changed Record default to “On”.</p>	<p>Default record operation is as follows:</p> <ol style="list-style-type: none"> 1. Unless a schedule is enabled, each time the EDVR is powered up it automatically starts recording if a hard drive is installed in the EDVR. This recording will continue until manually stopped. 2. If the EDVR is power cycled during a Scheduled Recording at power up the EDVR will automatically start recording and continue until the End Time of the Schedule.