

Dorgem 3

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Content

Introduction.....	3
Why open source?.....	3
License.....	3
Personal Disclaimer.....	3
The GNU General Public License (GPL).....	4
Version History.....	8

Introduction

Dorgem is an open source webcam capture application for Windows written by Frank Fesevur. Any Video for Windows compatible webcam (or other digital camera) is supported.

It has unlimited storage events that can put the captured image on an FTP site as well as a local disk, all with their own time interval. It can put a text and bitmap on the captured image before the image is stored.

Dorgem supports an unlimited number of cameras. It has a built-in webserver for still images and can be used as security camera because of its motion detection.

Why open source?

My main reason:

The program is mainly based upon several classes and sources I found on the Internet. The only thing I did at start of this project was combine them to a useful program. Therefore I think the only proper way to do this is, make my part also Open Source.

Another important reason:

I didn't want to make it shareware, since I didn't expect much registrations. And with shareware it becomes more work in stead of hobby. Registered users expect frequent updates, they loose their registration key, they expect quick and good support, etc.

So it should be freeware. But if it is freeware, why not make it open source? People can really get involved, add features and fix bugs. And luckily they do! It is quite motivating for me to get contributions.

Product status

Like every program (even ones you have to pay a lot of money for) the program can have bugs. Some of these bugs are already known, others not. Please be aware that no warranty is given.

License

Dorgem is distributed under the GNU General Public License.

Personal Disclaimer

Thank you all for using Dorgem and for all the mails I've gotten. However, I feel I must clarify how I see this application. I've made it primarily for my own use and to be able to learn how to program the webcam. I also uploaded it on SourceForge to share my work with others and to see what it means to start an open source project. I had never any intention of making it a "product" and I don't have unlimited time to fix bugs and make new features.

Most of the mails have been very kind with lots of suggestions. I like this very much!

Unfortunately, some of the mails have very strongly demanded that I fix a bug or implement their most wanted function. This is not something I like. I give away Dorgem for free with no guarantees of a feature packed and bug-free software, even though I try. I implement the functions that I think the program needs.

This doesn't mean that I do not want mails with suggestions. Please, continue to send them to me. However, I can't promise to fix a bug or a new feature at once. I might do it, but it may take a time. Or, it simply won't be fixed at all. If you have a problem with this, buy commercial software instead or much better: do it yourself and contribute. You have access to the sources and patches are always thoughtfully considered.

Sorry to all persons who have written emails to me without getting any answer.

Hope you understand!

The GNU General Public License (GPL)

Version 2, June 1991

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Version History

Version 3 pre-alpha 1 (03-May-2007)

Major new features:

- FTP storage
- Web server for still images, no configuration yet, it listens at port 8080
- Still need to be configure by editing the XML file
- A start for the new documentation is made. It is a PDF document. Currently it is a copy of large parts of the text of the Dorgem2 HTML help file. The text still needs major

adjustments.

Bugs fixed:

- Various memory leaks are fixed

Version 3 very-pre-alpha (29-Apr-2007)

Major new features:

- Complete rebuild, now using the cross platform library wxWidgets.
- Running on Win32, only tested on Windows XP
- You need to configure it, by editing an XML file in your profile directory
- File storage is available.
- Bitmap and text captions are available.
- Still uses Video for Windows to talk to the camera.
- The date related text captions are using the wxDateTime::Format() function, which uses the strftime() function.

Version 2.2.0 (Never officially release, available through nightly builds)

Major new features:

- Added e-mail storage events.

Other new (or improved) features:

- Implemented RFE #701597 "command line interface". Added /capnow as command line option. This is passed on to the running session and simulates pressing the "Capture Now" button,
- Implemented RFE #1211284 "display last capture time in statusbar".
- Implemented RFE #662654 "Rotating the n latest image" for File and FTP storage. For External program storage it is up to the user to maintain it and with the HTTP storage it doesn't seem possible to do.

Bugs fixed:

- Fixed bug #1224102 "dropdown menu in webserver-options is too small". Only noticeable on non-Windows XP.

Version 2.1.0 (24-May-2005)

Major new features:

- Included Chris Bandy's contribution, the HTTP Store Event (feature request #672983).
- Optional captions per storage event and separate captions for the web server. This allows you to specify custom captions for every store event and separate captions for the web server.
- Moved away from the WinINet based FTP and use my own.

Other new (or improved) features:

- Implemented RFE #1060982 "status-bar at the bottom". Now all storage events show the status of the last store in the status bar.
- Added a shortcut to the help file to the start menu.
- Made a user interface for the Transparent color of the overlay bitmap caption.
- Implemented RFE #837200 "Passive/Active FTP". Thanks to Steve Thom for testing it.
- Added a status bar to the main dialog. This shows useful information on what the program is busy with. Thanks to John Boers a.k.a. DigiDodo for this suggestion.
- Implemented RFE #791330 "Button to switch capture on or off". This only affects the automatic captures and not the 'Capture now' button.
- Implemented RFE #775380 "FTP Storage for Non-Standard Ports". This was already possible in the registry, now added a textbox to the UI.
- Included contribution of Aaron Kondziela, storing the file on the FTP server on a temporary name and rename it after uploading.
- Implemented RFE #663750 "Retain FTP connection".
- Implemented RFE #700475 "Logfile". This option is only configurable in registry LogFile and LogLevel (0=Only Errors, 3=Normal)
- By default the OK button is disabled in the 'Add Caption' and 'Add Store Event' dialog.
- Implemented the optional creation of directories for the File Store Event. Especially useful if the filespec contains directory-names with tags (e.g. "C:\Camera\%G\%g.jpg").
- Start minimized, when /m is specified on the command line, as suggested in #659454. Thanks to Brooks Younce for his contribution.
- Dorgem has a new icon. Thanks to Andrew Keyser for his contribution.
- The External Program Store Event now also can use the time related tags in the command.
- Improvements to the 'Check Version' button in the About dialog. Now beta versions can be detected as 'new version' and can detect the release of the final version.

Bugs fixed:

- Fixed bug #1191508 "cvs 2.1.0b6 bug", temporary files not always cleaned up.
- Fixed bug #1104910 "error dialogues". Added an checkbox "Show Message Boxes" to the Options.
- When Dorgem or the preview window is moved to a secondary monitor, the position was not properly restored.
- Fixed bug #954886 "Preview Window Clipped Incorrectly in 640"
- Fixed bug #905024 "Captions problems?".
- Fixed bug #855699 "Bitmap captions turn to text captions".
- The preview window was always updated even when it was not shown. This causes bandwidth problems of the USB bus with some USB webcams when using multiple cameras. Thanks to Greg Ordly for spotting this problem.
- Fixed bug #777333 "Log file not saved to fixed directory". When no full path is given, logs are stored in the directory where Dorgem.exe is located.
- When no capture device was available on the system, the buttons were not properly disabled.
- When a storage event was removed, the Up and Down buttons were not always properly updated.
- Fixed bug #723787 "Problems with 2 webcams". The temporary file was not always unique.

Version 2.1.0 beta 5 (13-May-2004)

Version 2.1.0 beta 4 (29-Jan-2004)

Version 2.1.0 beta 3 (05-Sep-2003)

This is the first public beta release of version 2.1.0. Beta 1 and 2 were send to a small group of people who reported bugs, suggested or implemented new features.

Version 2.0.0 (02-Jan-2003)

Major new features:

- Web Server for still images
- Added External Program Store Event. Can be useful for SSH, SCP or SFTP upload (feature request #629434), or when you use a script to generate an accompanying web page.

Other new (or improved) features:

- The filenames for File and FTP storage can be time related.
- Added %G caption format. It displays the date in filename safe yyyyymmdd format
- Added %g caption format. It displays the time in filename safe hhmmss format
- Added %z caption format. It displays the difference between the current time and UTC.
- The Text Caption has two types of shadow
- The Text Caption can be read the first line of a text file. So you can generate a text file from another application with dynamic information (like weather info) and put it on the image.
- The length of the Text Caption can be limited (suggested in bug report #655134)
- It is also possible to specify the interval in minutes and hours for all storage events
- Both caption types have a new (sub)dialog to handle the position. Therefore now it is possible to configure the absolute position without editing in the registry.
- Deleted the text caption tag '%W'. See the FAQ how this can be handled now (and much more flexible).

Bugs fixed:

- When you add a new event, the star is now properly updated.
- The ordering of the events could get corrupted.
- In the file storage event, when you press '...', the dialog would return to its original state (Bug #642846)

Version 1.2.0 (19-Nov-2002)

New (or improved) features:

- Support for multiple cameras
- New text caption tag '%W'. It shows the current song playing in Winamp 2.x
- Allow only one instance to run (per camera)
- Ability to reconnect the camera/device when no motion has been detected for X minutes. Thanks to Mike Ryan for providing this solution as a workaround to solve problems with bogus camera drivers.
- Also added the 'Reset time when not stored' to the file storage. This to prevent too intensive checking if there was no storage because of the motion detection.
- Better help file and help integration

Bugs fixed:

- When you added a new caption or a FTP storage, you would get the useless error message

'String too short' (Bug #629439).

Version 1.1.0 (26-Sep-2002)

New (or improved) features:

- Motion detection
- Made Options dialog: Made AVI settings configurable. The filename can have the same settings as the text captions, so the filename can be date and time related. Remember that a '/' and ':' are invalid characters in a filename.
- Changed the name of the 'Close' button of the main window to 'Exit'.

Bugs fixed:

- When the type of an event was missing or corrupted in the registry, Dorgem would come in an infinite loop. Thanks to Paul Mutton for spotting this problem.
- The buttons in the Store Events are now properly enabled when the dialog is created.
- The setup executable didn't remove the entries from the registry when the program was uninstalled.
- When the capture device could not be found, the config buttons of that device were not disabled. This could result the program to crash.

Version 1.0.0 (27-Aug-2002)

- Made Dorgem XP Themes aware
- It's possible to define the order of the caption and store events.
- Redefined the class structure of the Events. All events now derive from one base class CDorgemEvent.
- Store and Caption settings are saved in the registry when their dialogs are closed.
- Archiving of stored images in an uncompressed AVI file, currently only configurable in the registry.
- It is no longer possible to add any event without a proper name
- Made a setup executable with Inno Setup 3
- Online version check

Version 0.9.5 (24-Jan-2002)

- Removed the OK button from the store setting dialog and renamed the Cancel button to 'Close'
- Unlimited caption settings, like the Store Events
- The star in Store Settings Dialog (indicating an event is enabled) is now properly updated, after an event is changed.
- Captions can have an absolute position, currently only configurable in the registry.
- You can specify the transparent color of a bitmap captions, currently only configurable in the registry.
- FTP passwords are stored encrypted.
- Added %p to caption format. It displays AM or PM.
- Added %h to caption format. It displays hours as 1 till 12.

Version 0.9.1 (19-Nov-2001, no public release)

- Check to be sure a store event name is unique

- Different overlay types on the bitmap (Transparant and Copy)
- Minimize to the system tray, currently only configurable in the registry.
- The spin control of the JPEG compression now works.
- The preview window now resizes when the size of the preview is changed.
- Images other than 24-bits color depth can now be handled.
- Added %P and %V options to the caption format. %P = Program name, %V = Version
- The font of the overlay text is now properly set
- ESC doesn't cancel the preview window any more
- It is possible to select which language to use in text caption

Version 0.9.0 (10-Oct-2001)

- First public release