

VISUCAM cybersecurity update ("PrintNightmare")



Seeing beyond

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Please note: This document does not replace the user manual which is delivered with the device.

About the update

"PrintNightmare" is a vulnerability affecting Microsoft Windows operating systems. According to Microsoft, "a remote code execution vulnerability exists when the Windows Print Spooler service improperly performs privileged file operations. An attacker who successfully exploited this vulnerability could run arbitrary code with SYSTEM privileges. An attacker could then install programs; view, change, or delete data; or create new accounts with full user rights."

"PrintNightmare" does not affect the safety and performance of the ZEISS VISUCAM 224, VISUCAM 524, VISUCAM 200, VISUCAM 500, VISUCAM PRO NM, VISUCAM NM/FA. Nevertheless, ZEISS would like to offer you an update for your ZEISS VISUCAM to fix the "PrintNightmare" vulnerability.

Required storage media

VISUCAM 224, 524: USB flash drive – any type/capacity

VISUCAM 200, 500, PRO NM, NM/FA: CD-R (blank)

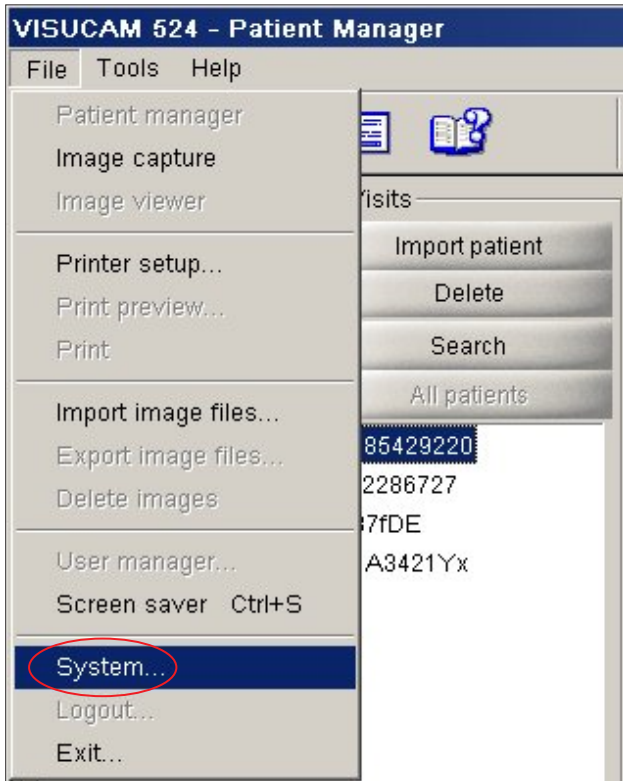
Preparation

- Download the zip file (CVE-2021-34527.zip)
- For VISUCAM 224/524: Extract the zip file to the root directory of your USB flash drive
Password to unzip: PrintNightmare
- For VISUCAM 200, 500, PRO NM, NM/FA: Extract the zip file to the root directory of your CD
Password to unzip: PrintNightmare
- Disconnect any connected external USB devices.
- Disconnect the network cable.



To avoid any risk of losing recent patient data, perform the update directly after starting the system.

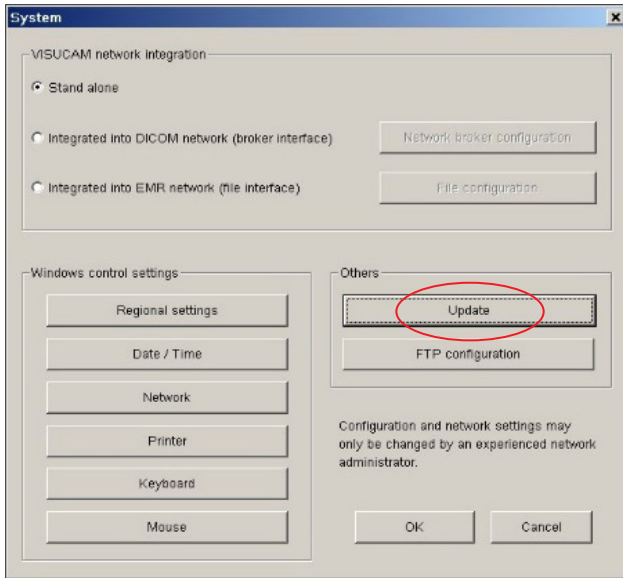
How to update your VISUCAM



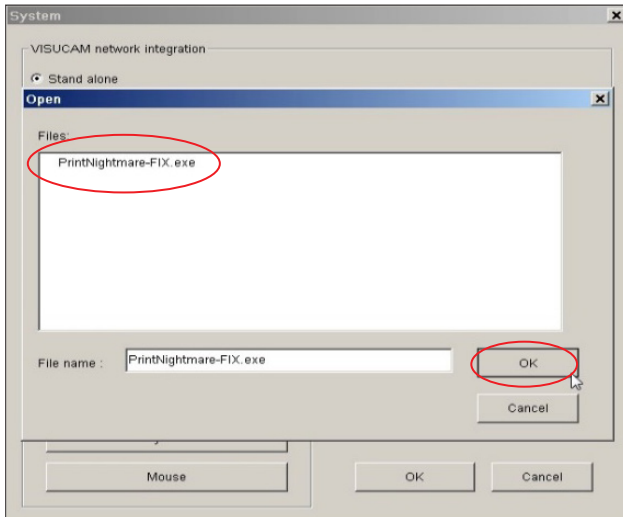
1. Power on VISUCAM.
2. Connect the USB flash drive (VISUCAM 224/524) or insert the CD (VISUCAM 200, 500, PRO NM 2, NM/FA 2) containing the update file. It may take a few moments for the USB driver to be installed.
3. Go to "File" > "System".



4. Enter the system password.

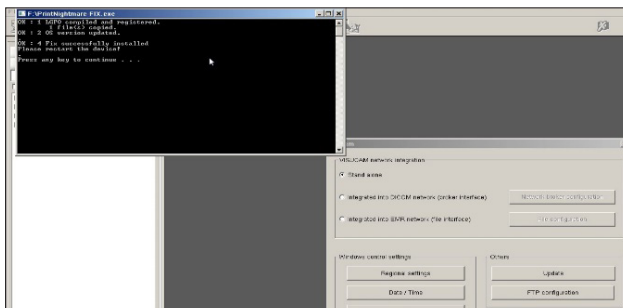


5. In the "System" dialog, click "Update".



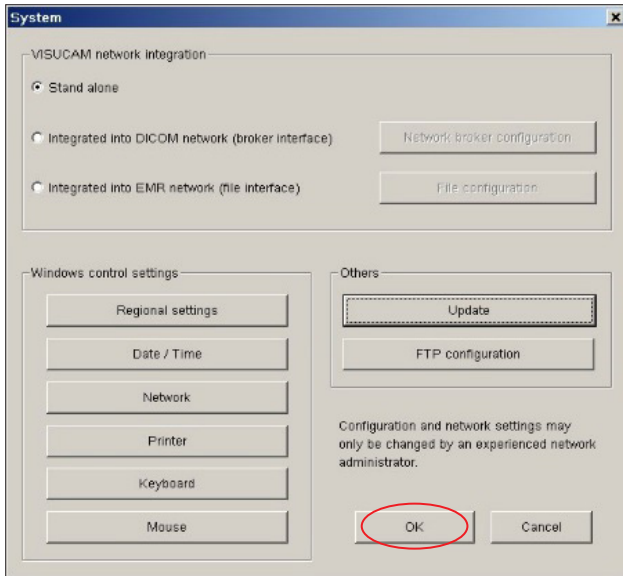
6. Select the update file "PrintNightmare-FIX.exe".

7. Click "OK".

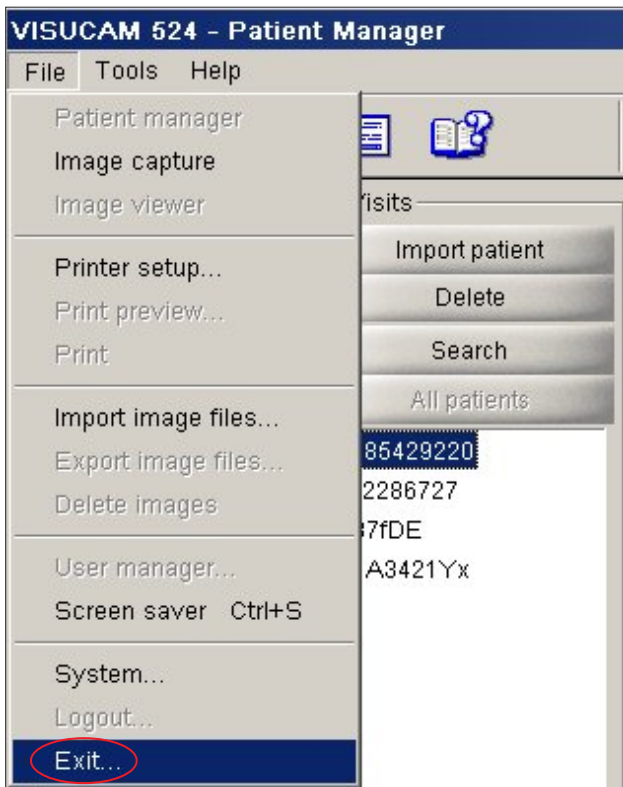


8. Different installation windows will appear, depending on your specific operating system.

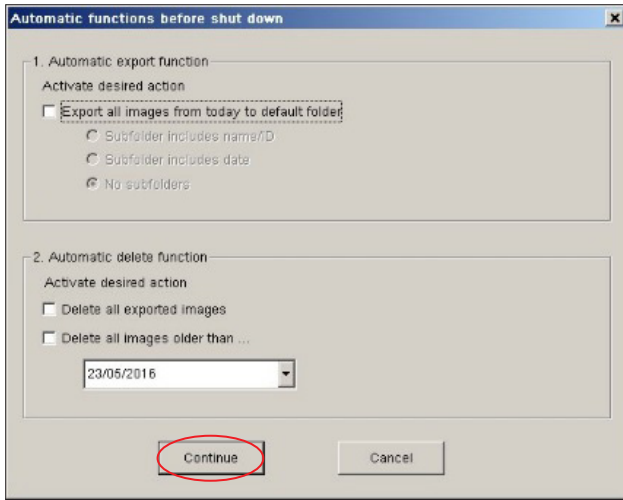
9. Once the update process is finished, click "OK" (or another key, depending on the operating system).



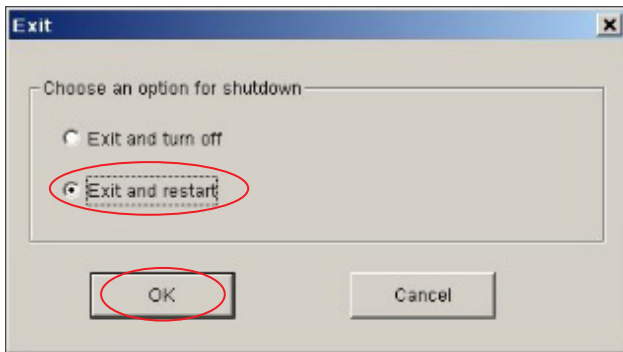
10. In the "System" window, which is still open click "OK".



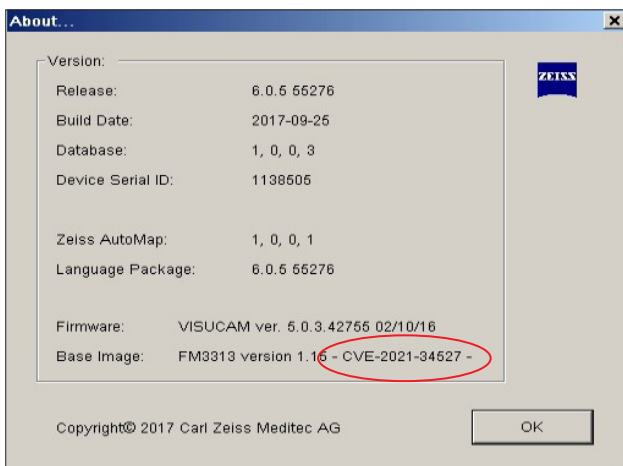
11. After the installation process, the system must be restarted manually. Go to "File" > "Exit".



12. The "Automatic functions.." window will open.
Do not change any settings, click "Continue".



13. The "Exit" window will open.
14. Select "Exit and restart".
Click "OK".



15. After the instrument restart, please verify the successful installation of the patch. After the restart, please check the successful installation of the update:
Go to "Help" > "About". Check that the base image has the ending "CVE-2021-34527".

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