



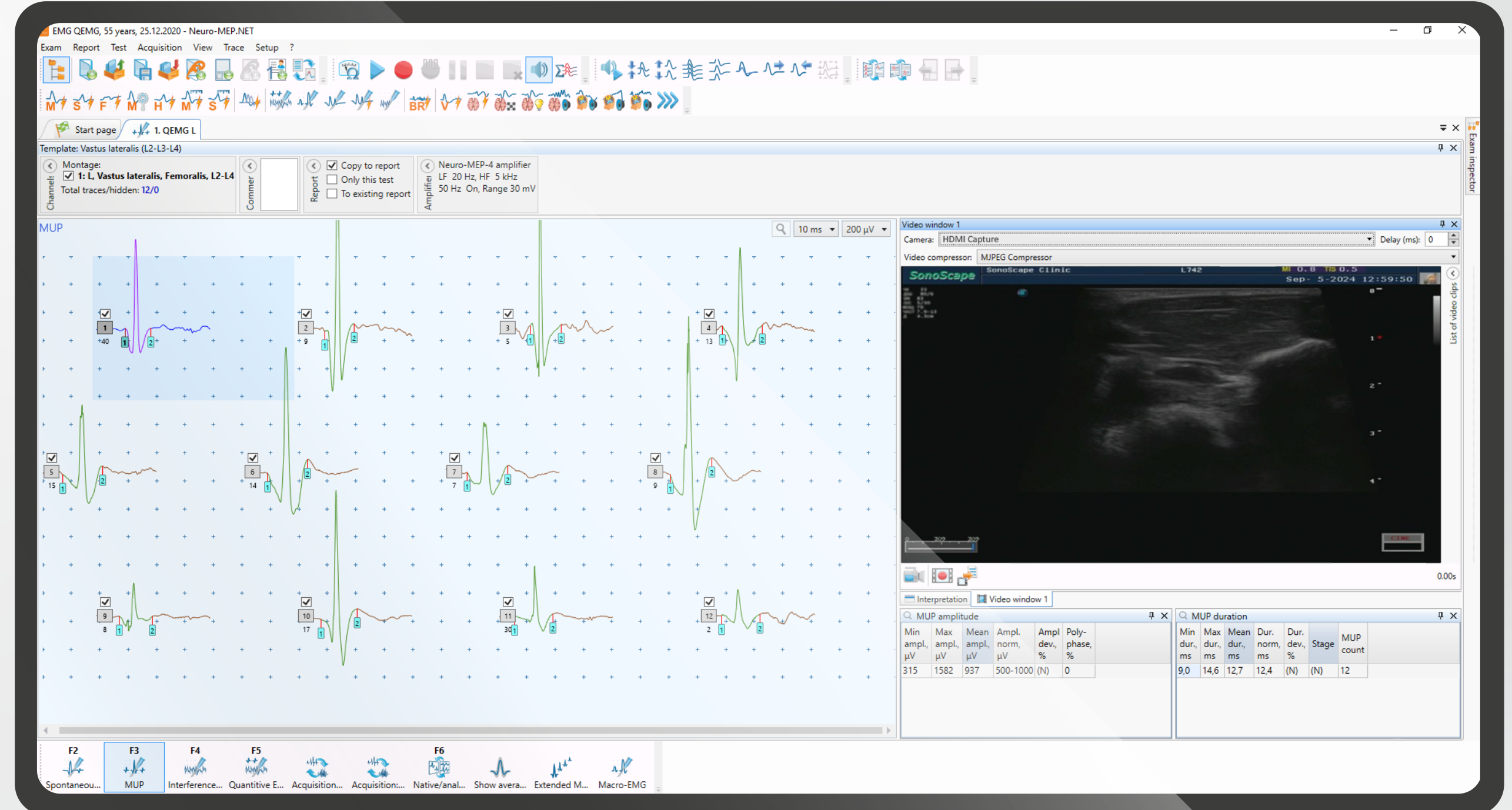
INTEGRATING NEUROSOFT EMG SYSTEMS WITH ULTRASOUND MACHINES

Ultrasound machines integrated with the Neurosoft EMG systems allow for combined EMG and ultrasound examinations, as well as saving images (and video) together with EMG traces in the Neuro-MEP.NET software and automatic exam report generation with the EMG analysis results and ultrasound images.

METHOD 1

ULTRASOUND MACHINE AS A VIDEO CAMERA

The Neuro-MEP.NET software supports video recording: video EMG (synchronous recording of video and EMG) and video frames. Most modern ultrasound machines have a video output (usually high resolution, HDMI), which ensures connection to the computer operating with an EMG system via a video capture card. The ultrasound machine is used as a regular video camera with the computer to provide integration of images and video from the ultrasound machine into the Neuro-MEP.NET software. The ultrasound data are saved together with the EMG traces and are included in the exam report.



For more details, please watch the video by experienced neurologist Dmitry Druzhinin on our YouTube channel.



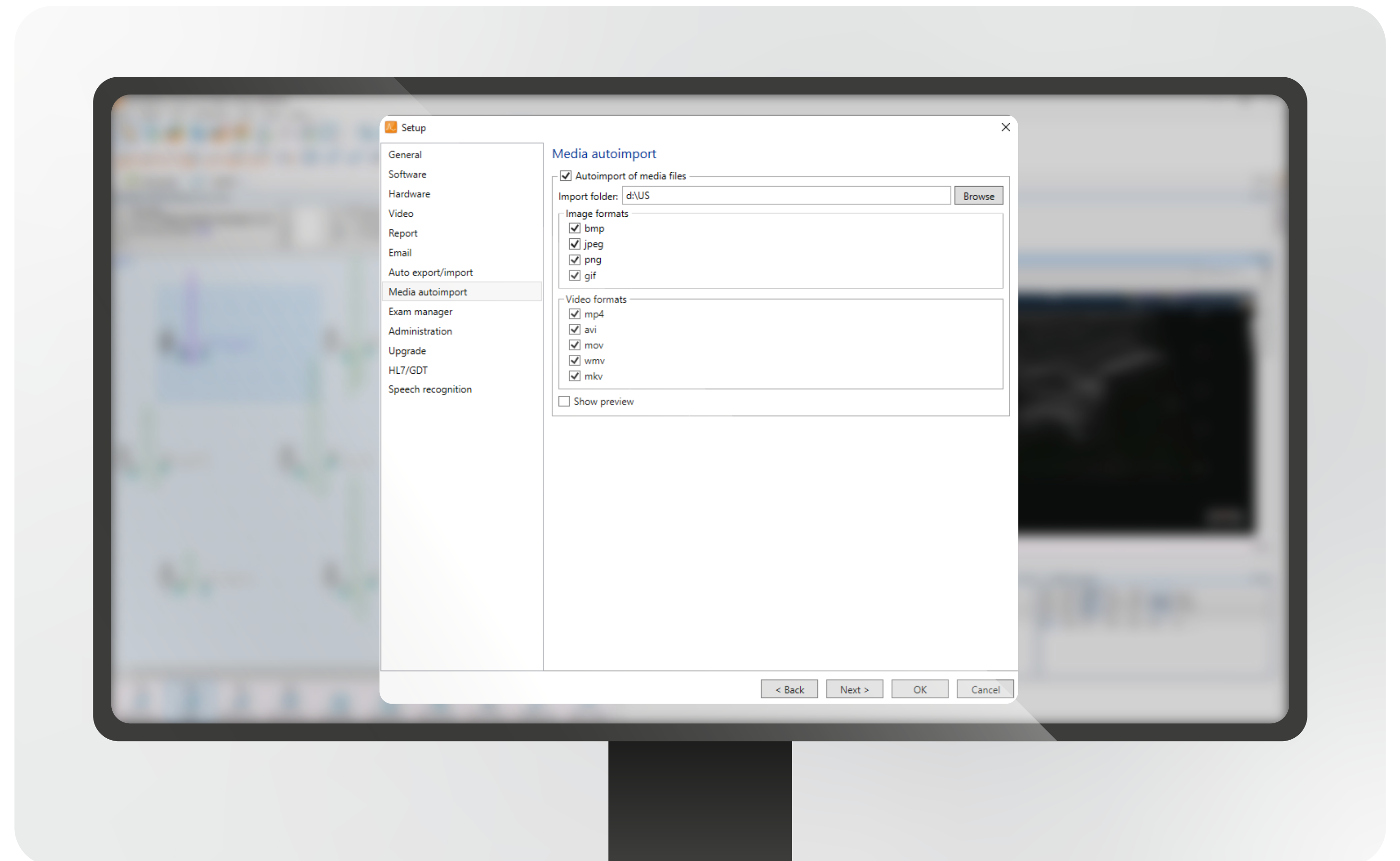
You can buy a video capture card (image provided for reference) at any electronics store.



METHOD 2

AUTO IMPORT OF ULTRASOUND IMAGES

With this method, you can transfer ultrasound images to the Neuro-MEP.NET software if the ultrasound software and Neuro-MEP.NET software are both used on the same computer or used in the same local network and have access to the same network directory. In addition, the ultrasound machine shall ensure transfer of ultrasound images to files (for example, d:\US), which is usually enabled with a particular button on the scanner. Simply configure the desired directory in the Neuro-MEP.NET software for automatic import of images.



When using an EMG system, the Neuro-MEP.NET software detects new image files in the specified directory during the exam. New files are automatically copied as an image to the window with additional information of the current test and are subsequently included in the exam report. You can view all images, delete those unnecessary, change their size or add comments prior to report generation.