

Software NoiseImage

Acquisition, evaluation,
and storage of data,
acoustic images and
films



Analysis methods

- Generation of acoustic images and films (dB(C), dB(A))
- Spectral frames
- Channel data editor
- Narrow-band filter
- Acoustic "viewfinder" image in real time
- Oscilloscope for time and spectrum functions
- Location-selective scanning of images
- Scrolling images for passing objects (Linescan)

Environment

- Windows 98/Me/2000/XP
- 128MB RAM or higher
- 700 MHz Processor or faster
- USB Video Interface
- EPP Interface for data recorder
- Sound card
- Windows data formats: JPG, BMP, WAV, AVI, ASCII

Characteristics

- Intuitive user interface
- Integrated hardware control for data recorder and camera
- Automatic mode or manual scaling
- Live preview examination
- Storage of all relevant parameters of images and films (time functions, coordinates, picture, amplifier and microphone parameters, comments) in a file
- Custom color tables
- Automatic edge extraction
- Selectable image area
- Manual and global adjustment of dB value range
- Linear and logarithmic mapping, A-weighting
- Interactions between windows: Location spectrums, spectral images of time intervals, spectral images of frequency interval, resonance and acoustic properties of locations and so on
- In-picture projection of array
- Synchronization of acoustic images with rotation angle or rpm
- Optional overlay information: Edge-detection, photo, map, array projection, file information
- Optional softness of image transition and image frequency
- Visualization of current computing interval
- Synchronization of channel data display and frame counter