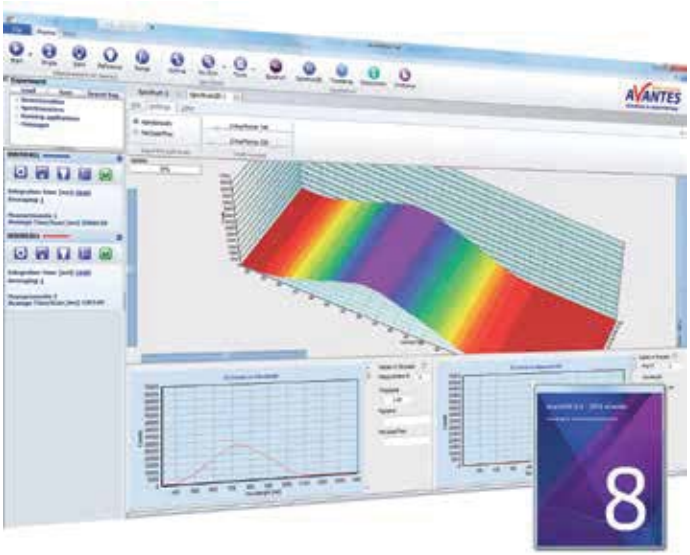
AvaSoft-Full and AvaSoft-All

AvaSoft-Full

The AvaSoft-Full version offers many more possibilities and options than AvaSoft-Basic. In the table below you can find the similarities and differences between the two versions.

AvaSoft-All

For the greatest flexibility, AvaSoft-All includes AvaSoft-Full and all application modules described in the subsequent pages. This means you can do color, irradiance, chemometry measurements, process control and real-time exporting to Excel all in one convenient software package.



Comparison AvaSoft-Basic and AvaSoft-Full	Basic	Full
Editable data collection parameters per channel, such as detector integration time, auto-dark correction, signal averaging, spline interpolation and spectral smoothing.	X	X
Display data in scope-, transmittance-, absorbance-, or relative irradiance mode. Multiple spectrometer channels are displayed in the same graph, optional grid display. 3D display for multiple spectra in time series.	X	X
Zoom-, (Auto)scale- and panning functions to expand quickly an interesting part of the spectrum (both X- and Y-axis) to the full graph, save graph to a wide variety of file formats.	X	X
Mouse drag controls movement of a data cursor for instantaneous readout of wavelength- and Y-axis magnitude. Peak finder for moving cursor fast to nearest peak.	X	X
Save spectra, and display online measurements against (multiple) saved spectra background. Print (multiple) spectra in color. Convert saved spectra to ASCII format in equidistance (nm) with start wavelength in nm.	X	X
Help menu option to find quickly a description about any AvaSoft topic.	X	X
History Channel Application, in which the output of user defined functions, integrals, peaks (intensity, wavelength) can be followed simultaneously against time. Functions can be entered in Visual-Basic script. Time series measurements can be saved/loaded and printed. Zoom- and panning functions can be applied to expand quickly an interesting part of the time series measurement to the full graph.		X
Auto Wavelength Calibration. In combination with a Mercury-Argon Light Source, a number of peaks can be detected automatically. These peaks are then compared with the wavelengths where they should have been detected, and a regression fit is performed to calculate the best wavelength calibration coefficients.		X
Correct for drift. Master and slave channels with similar range can be used to correct for changes in the light source.		X
Automatic save spectra periodically (save a spectrum every x seconds).		X
Store to RAM for ultrafast Data saving for a limited amount of scans.		X
External Trigger control to acquire spectral data only if a TTL signal is presented with optional integration time delay settings.		X
Convert spectra to J-CAMP format for further data processing e.g. in GRAMS32.		X
Convert spectra to Excel, multiple spectra in one file, multiple channels in worksheets.		X
Merging spectra of multiple channels to one spectrum.		X
Full Width Half Max calculations, online or on saved spectra. Graphically displayed.		X
Integral calculations, online or on saved spectra, graphically displayed.		X
Auto-configure integration time: AvaSoft searches for an optimal integration time.		X
Automatic Save Dark by TTL shutter.		X
Auto-detect saturated pixels in a spectrum, optionally autocorrect inverted saturated pixels, optionally visualize saturated pixels and log saturated wavelength regions in time series.		X
LIBS application.		X

Custom made modifications are possible, please contact us for more details.

Ordering information

AvaSoft-Full	• Full version AvaSpec software for Microsoft Windows XP through 8
AvaSoft-All	• Full version AvaSpec software, including all applications