

## Visual Signal 1.5 Function List

Module/Function		Professional	Standard	DAQ Express
Channel	Channel Switch	V	V	V
	DataMerge	V	V	
	Data Selection	V	V	V
	Dup	V	V	
	Fill Null Value	V	V	V
	Input Switch	V	V	V
	Peak Detection	V	V	
	Remove Channel	V	V	V
	Replace Value	V	V	V
	Resample	V	V	V
	RRinterval	V	V	
	Time Shift	V	V	V
Enhanced	Fast Iterative Gaussian Filter	V		
	Fast MSE	V		
	Fast ShortTerm Fourier Transform	V		
	Fast Trend Estimator	V		
	ICA	V		
	PCA	V		
	Rolling MSE	V		
	Remove Bump	V		
External	Teager	V		
	ExternalDll	V		
Filter	ExternalViewer	V		
	Comb Filter	V	V	
	FIR Filter	V	V	V
	Iterative Gaussian Filter	V		
	Median Filter	V	V	V
	Moving Average	V	V	V
	Notch Filter	V	V	V
HHT	Trend Estimator	V		
	AnCAD EMD	V		
	HHT ListView Macro	V		
	HHT SplitView Macro	V		
	IMF Property	V	V	
Mathematics	RCADA EEMD	V	V	
	Diff	V	V	V
	DoMatlab	V	V	
	Integrate	V	V	V
	Math	V	V	V
	Mixer	V	V	V

Compute

	Multiplier	V	V	V
	Normalize	V	V	V
	Remove DC	V	V	V
	RMS	V	V	V
Matrix	Diagonal Vector	V		
	Matrix Inverse	V		
	Matrix Operation	V		
	Matrix Condition Numbers	V		
	Extract Region of Interest	V		
	Transpose	V		
	Extract Vector	V		
Statistics	Correlation Matrix	V		
	Covariance Matrix	V		
	Equiphase Statistics	V		
	HypothesisTest	V		
	Kernel Smoothing Density	V		
	Least Square Fitting	V		
	Orthogonality Matrix	V		
	Quartiles and Quantiles	V		
	Rolling Statistics	V		
	Basic Statistics	V		
TFA	Enhanced Morlet Transform	V		
	EnMorlet Viewer Macro	V		
	Hilbert Spectrum	V	V	
	Marginal Frequency	V	V	
	Marginal Time	V	V	
	Morlet Transform	V	V	
	ShortTerm Fourier Transform	V	V	V
	Transpose Spectra	V	V	
	Auto Correlation	V	V	
	Cross Correlation	V	V	
	Discrete Cosine Transform	V	V	
	Demodulation Frequency	V	V	
	Fourier Transform	V	V	V
	FFT Viewer Macro	V		

	Transform	Haar Wavelet Transform	V	V		
		Hilbert Transform	V	V		
		Inverse Discrete Cosine Transform	V	V		
		Inverse Fourier Transform	V	V	V	
		Inverse Haar Transform	V	V		
		Multi-Scale Entropy	V	V		
Conversion		Convert from Matrix	V			
		Convert from Spectra	V	V	V	
		Map to Real	V	V	V	
		Merge to Complex	V	V		
		Merge to Multi-Channel	V	V	V	
		Split Complex	V	V		
		Convert To Audio	V	V	V	
		Convert To dB	V	V	V	
		Convert To Indexed	V	V		
		Convert To Matrix	V			
		Convert To Regular	V	V	V	
		Change X-axis Unit	V	V	V	
Source		Import Data	V	V	V	
		Advanced	Impluse	V		
			Jaehne	V		
	DAQ	Adlink-DAQ			V	
		Audio-DAQ			V	
		Mindset-DAQ				
		NI-DAQ				
		CustomWave	V	V	V	
		Noise	V	V	V	
		Sine Wave	V	V	V	
Square Wave		V	V	V		
Triangle Wave		V	V	V		
Viewer	Annotation	Data Viewer	V	V	V	
		Ellipse	V			
		HLine	V			
		HRegion	V			
		Line	V			
		Rect	V			
		Text	V			
		VLine	V			
		VRegion	V			

		Box plot Viewer	V		
		Channel Viewer	V	V	V
		Error Bar Viewer	V		
		Histogram Viewer	V		
		Time-Frequency Viewer	V	V	V
		XY Plot	V	V	V
Writer		Export Data	V	V	V
		Export to Excel	V	V	V
		Data Writer	V	V	V
Macros			V		
Containers		Add	V		
		DataIn	V		
		DataOut	V		
Batch Run			V		
Sound Vibration		Bearing Defect			
		Cepstrum			
		Crest Factor			
		DigitalTacho			V
		Envelope			
		Order Info			
		Order Spectrogram			
		Peak			
		Scale			V
	Sound	Octave Weighting			

 Add-In Modules

 New in Visual Signal 1.5