Version 8.5.0 Release Notes – Scopes

	New Feature	Enhancement	Software Correction	ITEM	DESCRIPTION
All DSOs	×			Custom DSO	When the scope is turned on, it automatically checks the floppy disk and memory card for a file named autoexec.dso. If found, the file is loaded and the commands are executed. The autoexec.dso file is a text file that contains remote commands.
	×			KEY command	Using the expanded capability of the KEY remote command, you can now assign an executable file (custom.dso) to a soft key. The commands are executed when you press the assigned key. This can be used to create your own menus. For example, formerly, only one set of custom parameters was available. Now you can use the custom.dso file to enable front panel buttons to access files containing remote commands that customize your parameters. By this method you can access any number of custom setups.
		×		default to automatic channel use	autoexec.dso enables the scope to default to Automatic Channel Use mode instead of Channel 4 Use.
		×		key options for autosetup	The new remote command ASET_MODE (ASTM) allows you to select **standard**, **undo**, or **confirm** when **AUTOSETUP** is pressed. **Undo** allows you to go back to the previous setup, while **confirm** causes the scope to prompt you before changing the setup.
		×		fat cursors	Using the new FAT_CURSOR, FATC <ON,OFF> command, you can emphasize the time cursors, the delay arrow, and the parameter region selection cursors.
		×		LeCroy logo on hard copy	By means of the LOGO <ON,OFF> command, you now have the option to display the LeCroy logo in the upper left-hand portion of the grid on hard copies.
		×		date/time display	You now have the option to turn off the date/time display completely, or to change its meaning from "time of printout" to "time of trigger."

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New Feature	Enhancement	Software Correction	ITEM	DESCRIPTION
	×		XY render	The option has been added to select **smooth** or **sharp** rendering of XY displays. The default setting is **smooth**.
All DSOs		×	Offset control of PVG	The resolution of the precision voltage generator has been corrected.
LCXXX	×		FIND feature	Variable gain is now preserved when the FIND feature is used.

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Version 8.5.0 Release Notes – Software Options

	New Feature	Enhancement	Software Correction	ITEM	DESCRIPTION
AORM	×			Advanced ORM	New option for Optical Recording: • five new parameter measurements for evaluating jitter due to intersymbol interface • OR parameter support for CAV and ZCLV through automatic period determination • Setup and View wizard for simplified operation • Modeling of DVD drive functionality (i.e., equalizer, slicer, and PLL)
JitterPro		×		measurement at both edges	You can now measure both data edges at the same time for setup, hold, skew, and edge@lv parameters.
		×		hysteresis	You can now set hysteresis for all JTA functions.
		×		"zoom to cursor" button	For Jitter FFT, the option to zoom to cursor was added.
		×		% complete progress bar	A percent complete progress bar is now displayed whenever screen dumps or internal printouts are performed.
		×		restore panel on exit	When exiting JitterPro, you are now prompted to leave the current settings or restore the panel to what it was before entering the wizard.
		×		time or UI scale selection for TIE	You now have the capability to select time or UI scale for TIE measurements.
			×	JITTERTRACK_DATA setup and hold	The remote command was corrected.
PMA		×		line harmonics display	The vertical scale was maximized in the display of line harmonics. This makes them easier to zoom and position.

Version 8.5.0 Release Notes – Software Options (Continued)

	New Feature	Enhancement	Software Correction	ITEM	DESCRIPTION
MASK TESTER	×			PolyMask	Two new features were added to the PMASK option: • Colored circles highlight the points of failure. It is possible to select the color of the circles, maximum number, and if they will be displayed in or out of the mask. You must make these settings prior to loading the mask into the scope. • XY testing capability: It is now possible to mask test signals from two channels in the XY configuration. The display is a square 8 x 8 format. Masks for XY testing must be designed for that purpose. These two new features have also been added to the MaskMaker utility.
		×		dark calibration and extinction ratio (MT03)	Two new buttons were added to the "Trace Adjust" menu. **Slice Width** changes the persistence trace slice width. **Dark Cal** subtracts the mean of the persistence trace histogram from htop and hbase when extinction ratio calculations are being performed.
		×		TBR parameter (MT03)	Top-Base Ratio can now detect whether a source is a normal waveform or a histogram, allowing extinction ratio measurements on the central portion of the eye.
		×		vertical zoom (MT02)	This allows you to uniformly scale the waveform.