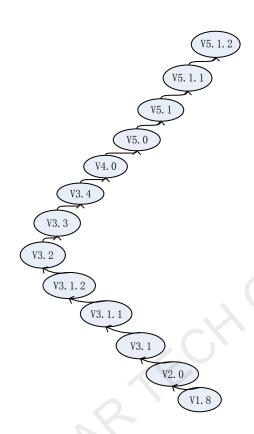


## **Update Description**

**NovaCLB-Screen** 

Rev5.1.2 NS140100041

## 1 Roadmap



## 2 Main updates of every version (compared with previous version)

Version &	VE 4.2 2040.4	2.42
Release Date	V5.1.2 2019-12-13	
	New Features	1. Increased the module size limit to 1024.
		2. Added the function of uploading calibration coefficients stably for combined screen.
	Bug Fixes	1. An unknown error occurs when users create a database if the sending card is
Updates		connected through Ethernet cable.
		2. The calibration software in Windows 10 cannot be opened occasionally after
		the .net framework is updated.
		3. An error occurs occasionally during connecting to NovaLCT.
		4. Connection to NovaLCT times out occasionally.
Written By	Fan Xingwang	
Version &	V5.1.1 2018-11-16	
Release Date		
Updates	New Features	Optimized the calibration solution for ultra-large screen (video splitter used).
		2. Optimized the function of uploading coefficients via right-clicking on the topology.
		There is no need to select the sending card each time before uploading coefficients

		(video splitter used).
		3. Optimized the saturation analysis function for the C1200.
		4. Increased the resolution of the image that can be collected by the C1200 each time
		to 480×330.
		1. Fixed the problem that the software exits unexpectedly when it is eliminating boundaries.
		2. Fixed the problem that the same dialog box appears several times when users click
		on the partition or the menu on the left after the partition settings are done and the
		camera is disconnected.
	Bug Fixes	3. Fixed the problem that the user interface information under Screen Type is
		incorrect after switching from Single Screen mode to Combined Screen mode (vice
		versa) failed.
		4. Fixed the problem that the software gets stuck when users switch frequently
		between the single and combined screen modes.
Written By	Li Yang	
Version &	ag	
Release Date	V5.1 2018-03-09	
		Supports calibration of the screen loaded by cascaded sending cards.
		2. Supports online calibration with the 80D digital camera.
		Supports calibration of irregular (non-rectangular) screens.
		4. Cabinet position can be freely changed after the full-screen calibration is done.
		5. The adjustable range of color temperature was changed to 1700–25000.
	New Features	6. The positioning box for ambient light elimination can be moved with the keyboard.
Updates		7. The calibration priority of partitions was added to reduce their difference after
		calibration.
		8. The saturation adjustment function was improved.
		9. The Caliris preview function was improved. For example, the preview image can
		be zoomed in with one click and can be dragged with the mouse.
	Bug Fixes	be zoonied in with one click and can be dragged with the mouse.
Writton Dv	_	
Written By	Hui Huahua	/
Version &	V5.0 2017-11-0	07
Release Date		4. Compared biography and bull and the self-matter and the control of the control
		1. Supports bigger resolution module calibration, maximum to 384 * 256.
		2. Simplified interface process, make the operation more simple.
	New Features	3. Simplified the manual intervention point positioning process.
Updates		4. Supports calibration with scientific professional camera HS1000.
		5. Supports evaluate the uniformity before and after calibration.
		6. Screen to Cabinet Tool add multiple numbering type.
		7. Screen Update Targets Tool add modify module information function.
		8. Screen Data Merging Tool add detecting bright dark block function, Optimization
		algorithm, to better solve the split screen and boundary between the split screen.
	Bug Fixes	
Written By	Zheng Ruitao	
Version &	V4.0.1 2015-12	2-10
Release Date		

		Integrated "Cabinet To Screen" tool.
Updates	New Features	Modify the judgment target method.
		Modify "Auto Partition" to "Recommend".
		Relocate abnormal when manual location.
	Bug Fixes	2. Eliminate the boundary abnormal when use large partition sometimes.
		3. Show number abnormal when trim coefficients in the process modify the dark or
Mritton Dv	Zhana Duitae	bright lines.
Written By	Zheng Ruitao	
Version & Release Date	V4.0 2015-09-15	
		Supports smart partitioning, and set borders before correction.
		2. Supports high-precision color correction.
		3. Supports a correction for 2K area.
		4. Supports change the target to regenerate correction coefficients.
	Nam Fasturas	5. Supports enlarge part of the area image when enabled background off.
Updates	New Features	6. Supports check the hardware can achieve proportional.
		7. Supports use your camera to eliminate splicing of light and dark lines.
		8. Supports select the path of the collection images.
		9. Supports continue correction when the correct process was forced to interrupt
		(Low battery, etc.).
	Bug Fixes	
Written By	Zheng Ruitao	
Version & Release Date	V3.4 2015-05-10	
		Supports NovaPro online calibration.
	New Features	2. Supports Russian.
	Bug Fixes	Individual camera connection exception;
Updates		2. Cannot modify the terminated row or column number when there is just one
		partition.
		3. If the whole left subarea modify the start column, hemp dots may appear on the
	. 19	left bottom of the screen after partition boundary elimination.
Written By	Zheng Ruitao	
Version & Release Date	V3.3 2014-12-0	08
		1. Added the menu bar.
	New Features	Added authorization documents manage, authorization document can be added
Updates		when software opening, if there exists no authorization document or the match
		authorization dog, and it is unable to connect with LCT.
		3. Added database backup, which can effectively prevent file damage caused by
		software suddenly shut down.
		4. Used sqlite instead of access, in order to improve the write/read speed.
		Supports the calibration of the display has one or two LEDs.
		6. Adjusted the targets advanced page, allow users input targets manually, and
		support three common temperature point.
		7. Added ISO adjustment, limit the LED imaging area, to reduce the probability of

		Moore grain appear ofter colibration		
	Moore grain appear after calibration.			
	8. Adopted processing image while collecting, to improve efficiency.			
		9. Supports eliminate the boundaries even though all the partitions are not be calibrated.		
		11. Added the tool which can update targets and recalculate the coefficients.		
		12. Users can pause the calibration when large partition.		
		13. Users can modify the allowed dead ratio when calibration.		
		Fixed the problem that if LCT disconnect when saving to database in eliminate		
	Bug Fixes	the boundaries, reconnect to LCT and save again, the database cannot be		
		loaded to LCT or other relevant software.		
Written By	Zheng Ruitao			
Version &				
Release Date	V3.2 2014-07-0	18		
		1. Separate of image acquisition and image analysis procedures, improve the		
	New Features	calibration efficiency.		
Updates	Trom r datar de	2. Integrated Tool of the screen to cabinet and screen data merging.		
		3. Modify the software icon.		
	Bug Fixes	. U		
Written By	Yin Lei			
Version &	V3.1.2 2014-06	-20		
Release Date	VO.1.2 2014 00			
	New Features			
		1. Fixed the problem that for regular partition wrapping correction, the whole		
		partition tends to be darker.		
		2. Fixed the problem that after regular partition wrapping correction, the wrapping		
Updates	Bug Fixes	tends to be brighter.		
	Bug Fixes	3. Fixed the problem that in some countries, camera parameters in the operating		
		system cannot be set.		
		4. Fixed the problem that for regular partition, the starting point of partition topology		
		cannot be changed using the right-button.		
Written By	Yin Lei			
Version &	V3.1.1 2014-04	-10		
Release Date				
	New Features			
		1. Fixed the problem that the captured image is black when camera exposure time is		
Updates	Bug Fixes	equal to 200 or less than 200.		
21.22.00		2. Fixed the problem that an exception occurred when connecting camera failed.		
		4. Fixed the problem that the notification is wrong when software covered		
		installation.		
Written By	Yin Lei			
Version & Release Date	V3.1 2014-03-12			
Updates		Eliminates the seam between module and cabinet after calibration.		
	New Features	2. It can calibrate the new module, make its uniformity as same as the surroundings.		
		3. It can find out that the LED lights on the border are covered, then avoid these		

4. It can avoid the influence of interference light around a fixed partition (e.g. Street light).  5. It can detect the difference between control system and control computer, and give prompt.  6. When LED point positioning failed in complex environment or In a partition of complex shape, he user can adjust the LED location manually.  7. Supports Canon 70D camera.  8. Interface easier to use.  9. Reduced the time of single image acquisition in large partition mode.  1. Fixed the problem that red changed soft red after calibration.  2. Fixed the problem that partition boundary cannot be eliminate when the size of partitions were different.  4. Fixed the problem that a memory error happened when having lots of partition.  6. Fixed the problem that camera do image acquisition before display show corresponding image. After calibration, the screen uniformity became worse.  7. Fixed the problem that some blue highlights appeared on the display after normal partition calibration.  8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration.  9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration.  9. Fixed the problem that a caterpillar phenomenon appeared on the display after large partition calibration.  1. Added large partition mode which size can be 224 plus 150.  2. Added partition boundary elimination function.  4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source.  5. Added the function that the software removed the background light interference before analyzing image data under large partition mode.  6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button.  3. Fixed an occasional problem that the software may be no response during running.  2. Fixed the problem that the partition information may be lost if the software exi			PIC I e PIE
light).  5. It can detect the difference between control system and control computer, and give prompt.  6. When LED point positioning failed in complex environment or In a partition of complex shape, the user can adjust the LED location manually.  7. Supports Canon 70D camera.  8. Interface easier to use.  9. Reduced the time of single image acquisition in large partition mode.  1. Fixed the problem that red change doth white after calibration.  2. Fixed the problem that partition boundary cannot be eliminate when the size of partitions were different.  4. Fixed the problem that a memory error happened when having lots of partitions were different.  4. Fixed the problem that a memory error happened when having lots of partition.  6. Fixed the problem that camera do image acquisition before display show corresponding image. After calibration, the screen uniformity became worse.  7. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration.  8. Fixed the problem that a caterpillar phenomenon appeared on the display after large partition calibration.  9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration (eight or sixteen lights together are brighter than surroundings)  Written By  Vin Lei  Vin Lei  Vin Lei  Vin Lei  Vin Lei  1. Added large partition mode which size can be 224 plus 150.  2. Added partition boundary elimination function.  3. Added screen boundary elimination function.  4. Added the function that the screen position by artificial auxiliary way when there was more interference light source.  5. Added the function that the software removed the background light interference before analyzing image data under large partition mode.  6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button.  3. Fixed an occasional problem that the screen display white as green after screen modification.  4. Fix			lights and continue calibration.
S. It can detect the difference between control system and control computer, and give prompt.			
give prompt. 6. When LED point positioning failed in complex environment or In a partition of complex shape, the user can adjust the LED location manually. 7. Supports Canon 70D camera. 8. Interface easier to use. 9. Reduced the time of single image acquisition in large partition mode. 1. Fixed the problem that red changed soft red after calibration. 2. Fixed the problem that white change reddish white after calibration. 3. Fixed the problem that white change reddish white after calibration. 6. Fixed the problem that a memory error happened when having lots of partition. 6. Fixed the problem that a memory error happened when having lots of partition. 7. Fixed the problem that a memory error happened when having lots of partition. 8. Fixed the problem that some blue highlights appeared on the display after normal partition calibration. 8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration. 9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration calibration. 9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration calibration. 9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration calibration. 9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration (eight or sixteen lights together are brighter than surroundings)  Written By  Version & Release Date  1. Added large partition mode which size can be 224 plus 150. 2. Added partition boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the screen display white as			
6. When LED point positioning failed in complex environment or In a partition of complex shape, the user can adjust the LED location manually.  7. Supports Canon 70D camera.  8. Interface easier to use.  9. Reduced the time of single image acquisition in large partition mode.  1. Fixed the problem that red changed soft red after calibration.  2. Fixed the problem that white change reddish white after calibration.  3. Fixed the problem that partition boundary cannot be eliminate when the size of partitions were different.  4. Fixed the problem that a memory error happened when having lots of partition.  6. Fixed the problem that camera do image acquisition before display show corresponding image. After calibration, the screen uniformity became worse.  7. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration.  8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration.  9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration. (eight or sixteen lights together are brighter than surroundings)  Written By  Version & Release Date  1. Added large partition mode which size can be 224 plus 150.  2. Added partition boundary elimination function.  3. Added screen boundary elimination function.  4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source.  5. Added the function that the software removed the background light interference before analyzing image data under large partition mode.  6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running.  2. Fixed an occasional problem that the screen display white as green after screen modification.  4. Fixed the problem that the partition information may be lost if the software exit abnormally.			5. It can detect the difference between control system and control computer, and
complex shape, the user can adjust the LED location manually.  7. Supports Canon 70D camera. 8. Interface easier to use. 9. Reduced the time of single image acquisition in large partition mode.  1. Fixed the problem that red changed soft red after calibration. 2. Fixed the problem that white change reddish white after calibration. 3. Fixed the problem that partition boundary cannot be eliminate when the size of partitions were different. 4. Fixed the problem that a memory error happened when having lots of partition. 6. Fixed the problem that a memory error happened when having lots of partition. 6. Fixed the problem that some blue highlights appeared on the display after normal partition calibration. 8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration. 9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration (eight or sixteen lights together are brighter than surroundings)  Written By  Version & Release Date  1. Added large partition mode which size can be 224 plus 150. 2. Added partition boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation. 1. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.			give prompt.
7. Supports Canon 70D camera. 8. Interface easier to use. 9. Reduced the time of single image acquisition in large partition mode. 1. Fixed the problem that red changed soft red after calibration. 2. Fixed the problem that white change reddish white after calibration. 3. Fixed the problem that partition boundary cannot be eliminate when the size of partitions were different. 4. Fixed the problem that a memory error happened when having lots of partition. 6. Fixed the problem that camera do image acquisition before display show corresponding image. After calibration, the screen uniformity became worse. 7. Fixed the problem that some blue highlights appeared on the display after large partition calibration. 8. Fixed the problem that a caterpillar phenomenon appeared on the display after large partition calibration. 9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration (eight or sixteen lights together are brighter than surroundings)  Written By  Version & Release Date  V2.0 2013-10  1. Added large partition mode which size can be 224 plus 150. 2. Added partition boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed the problem that the partition information may be lost if the software exit abnormally.			6. When LED point positioning failed in complex environment or In a partition of
8. Interface easier to use. 9. Reduced the time of single image acquisition in large partition mode.  1. Fixed the problem that red changed soft red after calibration. 2. Fixed the problem that partition boundary cannot be eliminate when the size of partitions were different. 4. Fixed the problem that a memory error happened when having lots of partition. 6. Fixed the problem that a memory error happened when having lots of partition. 6. Fixed the problem that camera do image acquisition before display show corresponding image. After calibration, the screen uniformity became worse. 7. Fixed the problem that some blue highlights appeared on the display after normal partition calibration. 8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration. 9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration (eight or sixteen lights together are brighter than surroundings)  Written By V2.0 2013-10  1. Added large partition mode which size can be 224 plus 150. 2. Added partition boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation. 7. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 7. Fixed an occasional problem that the screen display white as green after screen modification. 7. Fixed the problem that the partition information may be lost if the software exit abnormally.			complex shape, the user can adjust the LED location manually.
9. Reduced the time of single image acquisition in large partition mode.  1. Fixed the problem that red changed soft red after calibration.  2. Fixed the problem that white change reddish white after calibration.  3. Fixed the problem that partition boundary cannot be eliminate when the size of partitions were different.  4. Fixed the problem that a memory error happened when having lots of partition.  6. Fixed the problem that camera do image acquisition before display show corresponding image. After calibration, the screen uniformity became worse.  7. Fixed the problem that some blue highlights appeared on the display after normal partition calibration.  8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration.  9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration (eight or sixteen lights together are brighter than surroundings)  Written By  Vin Lei  Version & Release Date  1. Added large partition mode which size can be 224 plus 150.  2. Added partition boundary elimination function.  3. Added screen boundary elimination function.  4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source.  5. Added the function that the software removed the background light interference before analyzing image data under large partition mode.  6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button.  3. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button.  3. Fixed the problem that the partition information may be lost if the software exit abnormally.			7. Supports Canon 70D camera.
1. Fixed the problem that red changed soft red after calibration. 2. Fixed the problem that white change reddish white after calibration. 3. Fixed the problem that partition boundary cannot be eliminate when the size of partitions were different. 4. Fixed the problem that a memory error happened when having lots of partition. 6. Fixed the problem that camera do image acquisition before display show corresponding image. After calibration, the screen uniformity became worse. 7. Fixed the problem that some blue highlights appeared on the display after normal partition calibration. 8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration. 9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration. 4. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration and the partition mode which size can be 224 plus 150. 2. Added partition boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation. 1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.			8. Interface easier to use.
2. Fixed the problem that white change reddish white after calibration. 3. Fixed the problem that partition boundary cannot be eliminate when the size of partitions were different. 4. Fixed the problem that a memory error happened when having lots of partition. 6. Fixed the problem that camera do image acquisition before display show corresponding image. After calibration, the screen uniformity became worse. 7. Fixed the problem that some blue highlights appeared on the display after normal partition calibration. 8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration. 9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration (eight or sixteen lights together are brighter than surroundings)  Written By  Version & Release Date  1. Added large partition mode which size can be 224 plus 150. 2. Added partition boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation. 1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.			9. Reduced the time of single image acquisition in large partition mode.
3. Fixed the problem that partition boundary cannot be eliminate when the size of partitions were different.  4. Fixed the problem that a memory error happened when having lots of partition.  6. Fixed the problem that camera do image acquisition before display show corresponding image. After calibration, the screen uniformity became worse.  7. Fixed the problem that a cale plilation, the screen uniformity became worse.  8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration.  9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration.(eight or sixteen lights together are brighter than surroundings)  Written By  Version & Release Date  1. Added large partition mode which size can be 224 plus 150.  2. Added partition boundary elimination function.  3. Added screen boundary elimination function.  4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source.  5. Added the function that the software removed the background light interference before analyzing image data under large partition mode.  6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button.  3. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button.  4. Fixed the problem that the partition information may be lost if the software exit abnormally.			Fixed the problem that red changed soft red after calibration.
Partitions were different.			2. Fixed the problem that white change reddish white after calibration.
4. Fixed the problem that a memory error happened when having lots of partition. 6. Fixed the problem that camera do image acquisition before display show corresponding image. After calibration, the screen uniformity became worse. 7. Fixed the problem that some blue highlights appeared on the display after normal partition calibration. 8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration. 9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration.(eight or sixteen lights together are brighter than surroundings)  Written By  Vin Lei  Version & Release Date  1. Added large partition mode which size can be 224 plus 150. 2. Added screen boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.			3. Fixed the problem that partition boundary cannot be eliminate when the size of
Bug Fixes  6. Fixed the problem that camera do image acquisition before display show corresponding image. After calibration, the screen uniformity became worse.  7. Fixed the problem that some blue highlights appeared on the display after normal partition calibration.  8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration.  9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration. (eight or sixteen lights together are brighter than surroundings)  Written By  Version & V2.0 2013-10  1. Added large partition mode which size can be 224 plus 150.  2. Added partition boundary elimination function.  3. Added screen boundary elimination function.  4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source.  5. Added the function that the software removed the background light interference before analyzing image data under large partition mode.  6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running.  2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button.  3. Fixed an occasional problem that the screen display white as green after screen modification.  4. Fixed the problem that the partition information may be lost if the software exit abnormally.			partitions were different.
Bug Fixes   Corresponding image. After calibration, the screen uniformity became worse.   7. Fixed the problem that some blue highlights appeared on the display after normal partition calibration.   8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration.   9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration. (eight or sixteen lights together are brighter than surroundings)			4. Fixed the problem that a memory error happened when having lots of partition.
7. Fixed the problem that some blue highlights appeared on the display after normal partition calibration. 8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration. 9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration.(eight or sixteen lights together are brighter than surroundings)  Written By  Version & Release Date  V2.0 2013-10  1. Added large partition mode which size can be 224 plus 150. 2. Added partition boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.			6. Fixed the problem that camera do image acquisition before display show
Partition calibration.		Bug Fixes	corresponding image. After calibration, the screen uniformity became worse.
8. Fixed the problem that a rainbow phenomenon appeared on the display after large partition calibration. 9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration.(eight or sixteen lights together are brighter than surroundings)  Written By  Version & Release Date  V2.0 2013-10  1. Added large partition mode which size can be 224 plus 150. 2. Added partition boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.			7. Fixed the problem that some blue highlights appeared on the display after normal
large partition calibration.   9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration.(eight or sixteen lights together are brighter than surroundings)  Written By			partition calibration.
9. Fixed the problem that a caterpillar phenomenon appeared on the display after calibration.(eight or sixteen lights together are brighter than surroundings)  Written By Version & Release Date  V2.0 2013-10  1. Added large partition mode which size can be 224 plus 150. 2. Added partition boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.			8. Fixed the problem that a rainbow phenomenon appeared on the display after
Written By Version & Release Date  V2.0 2013-10  1. Added large partition mode which size can be 224 plus 150. 2. Added partition boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.			large partition calibration.
Version & Release Date  V2.0 2013-10  1. Added large partition mode which size can be 224 plus 150. 2. Added partition boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.			9. Fixed the problem that a caterpillar phenomenon appeared on the display after
Version & Release Date    V2.0   2013-10			calibration.(eight or sixteen lights together are brighter than surroundings)
Release Date  1. Added large partition mode which size can be 224 plus 150. 2. Added partition boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.	Written By	Yin Lei	
Provided to the software may be no response during running.  Bug Fixes  1. Added arge partition mode which size can be 224 plus 150. 2. Added partition boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.	Version &		
Dealers  1. Added partition boundary elimination function. 2. Added screen boundary elimination function. 3. Added screen boundary elimination function. 4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source. 5. Added the function that the software removed the background light interference before analyzing image data under large partition mode. 6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.	Release Date	V2.0 2013-10	
New Features  3. Added screen boundary elimination function.  4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source.  5. Added the function that the software removed the background light interference before analyzing image data under large partition mode.  6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running.  2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button.  3. Fixed an occasional problem that the screen display white as green after screen modification.  4. Fixed the problem that the partition information may be lost if the software exit abnormally.			1. Added large partition mode which size can be 224 plus 150.
New Features  4. Added the function for locating the screen position by artificial auxiliary way when there was more interference light source.  5. Added the function that the software removed the background light interference before analyzing image data under large partition mode.  6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running.  2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button.  3. Fixed an occasional problem that the screen display white as green after screen modification.  4. Fixed the problem that the partition information may be lost if the software exit abnormally.			2. Added partition boundary elimination function.
there was more interference light source.  5. Added the function that the software removed the background light interference before analyzing image data under large partition mode.  6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running.  2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button.  3. Fixed an occasional problem that the screen display white as green after screen modification.  4. Fixed the problem that the partition information may be lost if the software exit abnormally.		New Features	3. Added screen boundary elimination function.
there was more interference light source.  5. Added the function that the software removed the background light interference before analyzing image data under large partition mode.  6. New automatic analysis function of saturation.  1. Fixed an occasional problem that the software may be no response during running.  2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button.  3. Fixed an occasional problem that the screen display white as green after screen modification.  4. Fixed the problem that the partition information may be lost if the software exit abnormally.			4. Added the function for locating the screen position by artificial auxiliary way when
Updates  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.			there was more interference light source.
Updates  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.			5. Added the function that the software removed the background light interference
Dipdates  1. Fixed an occasional problem that the software may be no response during running. 2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button. 3. Fixed an occasional problem that the screen display white as green after screen modification. 4. Fixed the problem that the partition information may be lost if the software exit abnormally.			before analyzing image data under large partition mode.
1. Fixed an occasional problem that the software may be no response during running.  2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button.  3. Fixed an occasional problem that the screen display white as green after screen modification.  4. Fixed the problem that the partition information may be lost if the software exit abnormally.			6. New automatic analysis function of saturation.
Bug Fixes  2. Fixed an occasional problem that the camera occasionally did not do image acquisition when clicking "Auto", "Analyze" or "Start" button.  3. Fixed an occasional problem that the screen display white as green after screen modification.  4. Fixed the problem that the partition information may be lost if the software exit abnormally.	Updates	Bug Fixes	1. Fixed an occasional problem that the software may be no response during
Bug Fixes  acquisition when clicking "Auto", "Analyze" or "Start" button.  3. Fixed an occasional problem that the screen display white as green after screen modification.  4. Fixed the problem that the partition information may be lost if the software exit abnormally.			running.
3. Fixed an occasional problem that the screen display white as green after screen modification.  4. Fixed the problem that the partition information may be lost if the software exit abnormally.			2. Fixed an occasional problem that the camera occasionally did not do image
3. Fixed an occasional problem that the screen display white as green after screen modification.      4. Fixed the problem that the partition information may be lost if the software exit abnormally.			acquisition when clicking "Auto", "Analyze" or "Start" button.
4. Fixed the problem that the partition information may be lost if the software exit abnormally.			3. Fixed an occasional problem that the screen display white as green after screen
abnormally.			modification.
			4. Fixed the problem that the partition information may be lost if the software exit
Written By Yin Lei			abnormally.
···· · · · · · · · · · · · · · · · · ·	Written By	Yin Lei	

## 3 Compatibility

Large Partition Mode	Synchronous control system–NovaLCT-Mars	Supported version: V4.2.4 and above
		V3.2.2 RT5.0
		V3.2.2 RT7.0
		Not supported version: others
	Asynchronous control system–NovaLCT-Pluto	Not supported