Firmware Program Release Notes

Overview

Program Type (General or Customized)	**General**
Applicable Receiving Card	**MRV208-N**
PCB Version	**PCB_RX408_A0_A**

Chip List

Program Package	Driver IC	Decoding Chip	Note
DATA_MRV208-N_V1.3.0.0	***SM series:*** *SM16207S, SM16237* ***MBI series: MBI5124*** ***MY series:*** *MY9862* ***DP series: DP3246, DP5125h*** ***ICN series: ICN2038S****, ICN2047,* ***DP5125h****(ICN2038S),* ***ICN1065****,* ***ICN2263****,* ***ICN1063*** ***Other: Common chips***	*DP series:* *DP7268D, DP32019, DP32020, DP32029, DP32129, DP32030B, DP32039* *ICN series:* *ICN2013, ICN2017, ICN2018, ICN2019, ICN3018, ICN3019, ICN1018* *MBI series:* *MBI5981, MBI5986, MBI5988* *SM series:* *SM5166, SM5266, SM5366,* *SM5368* *HX series:* *HX6158, HX6016, HX6258* *CFD series:* *C82018SP1, C82019SP1, C82058, C82318SP1, CFD2138SPC, CFD2139SPC*	Bold text indicates tested ICs

		FM series: *FM7519, FM7559, TC7258* *RT series:* *RT5958, RT5956, RT5988, RT5960, RT5953, RT5990, RT5992, RT5929, RT5972,* *RT59X2* *D series: D7266* *LS series: LS9716, LS9708* *Decoding types:* *74HC138, 74HC595, direct pass-through decoding*	
DATA_MRV208-N_V1.3.0.3	*MY series: MY9266, MY9269, MY9366* ***MBI series:*** *MBI502x, MBI5034 - MBI5039, MBI5030, MBI5031, MBI5041(B), MBI5043, MBI505x, MBI5252, MBI5353, MBI5153 (FM6153), MBI5353B* ***ICN series: ICN2053**, **ICN2153** (FM6353), ICN2159* ***SM series:** SM16169, **SM16380**, SM16388, **SM16369**, **SM16359**, SM16259* ***CFD series:** CFD435A, **CFD455A**, CFD335A* ***CS series:** CS2033, C8325* ***Others:** TLC5958, TLC59581, SCL8060*	*DP series:* *DP7268D, DP32019, DP32020, DP32029, DP32129, DP32030B, DP32039* *ICN series:* *ICN2013, ICN2017, ICN2018, ICN2019, ICN3018, ICN3019, ICN1018* *MBI series:* *MBI5981, MBI5986, MBI5988* *SM series:* *SM5166, SM5266, SM5366,* *SM5368* *HX series:* *HX6158, HX6016, HX6258* *CFD series:* *C82018SP1, C82019SP1, C82058, C82318SP1,*	Bold text indicates tested ICs

		CFD2138SPC, CFD2139SPC *FM series:* *FM7519, FM7559, TC7258* *RT series:* *RT5958, RT5956, RT5988, RT5960, RT5953, RT5990, RT5992, RT5929, RT5972,* *RT59X2* *D series: D7266* *LS series: LS9716, LS9708* *Decoding types:* *74HC138, 74HC595, direct pass-through decoding*	
DATA_MRV208-N_V1.3.0.4	***MBI series: MBI5264**, MBI5268* ***SM series: SM16389SF**, SM16389, **SM16169SH** (SM16380SH), SM16380SW (SM16380SH), SM 16169SW (SM 16380SH), SM16386S (SM16380SH), SM16269SW, SM16189SC, SM16510SC* ***DP series: DP3264**, **DP3265**, **DP3368,** DP3256 (DP3264), DP3356 (DP3265), DP3364 (DP3265), **DP3254**, **DP3252** (DP3254), DP3153 (DP3254), **DP3364S**, **DP3365S**, DP3369S* ***ICN series: ICN2055**, **ICN2065**, **ICN2069** (FM6565), **ICN1065S** (ICN2065), **ICN3065**, ICN1069, ICN2055S, **ICN1065L**, ICN2165* ***CFD series:** CFD555A, **CFD555B**, **CFD535A** (CFD555B), CFD955B, CFD455J, **C8385,** C8365, CFD655, C8365, CS2066* ***HX series: HX8863**, HX8864, HX8865, HX8964* ***FM series: FM6864** (MBI5264), FM6565, **FM6373**, FM6373C, FM6565E*	*DP series:* *DP7268D, DP32019, DP32020, DP32029, DP32129, DP32030B, DP32039* *ICN series:* *ICN2013, ICN2017, ICN2018, ICN2019, ICN3018, ICN3019, ICN1018* *MBI series:* *MBI5981, MBI5986, MBI5988* *SM series:* *SM5166, SM5266, SM5366,* *SM5368* *HX series:* *HX6158, HX6016, HX6258* *CFD series:* *C82018SP1,*	Bold text indicates tested ICs

		C82019SP1, C82058, C82318SP1, CFD2138SPC, CFD2139SPC *FM series:* *FM7519, FM7559, TC7258* *RT series:* *RT5958, RT5956, RT5988, RT5960, RT5953, RT5990, RT5992, RT5929, RT5972,* *RT59X2* *D series: D7266* *LS series: LS9716, LS9708* *Decoding types:* *74HC138, 74HC595, direct pass-through decoding*	
DATA_MRV208-N_V1.3.0.5	***ICN series: ICN2163*** ***FM series: FM6363*** ***CFD series: C8455**, CFD455C, CFD325A*	*Static, pass-through,* *74HC138, 74HC595,* *RT5953, RT5958, RT5988, RT5960, RT5990, RT5992, RT5929* *SM5266, SM5366, SM5368,* *ICN2012, ICN2013, ICN2018, ICN2019,* *ICN3018,* *DP32019, DP32020,* *HX6158H* *D7266,* *FM7519* *CFD2138s* *LS9708, LS9716*	Bold text indicates tested ICs
DATA_MRV208-N_V1.3.0.6	***LS-PWM:*** ***LS9935**, LS9935B, **LS9936*** ***LS-common:** LS9917, LS9919, LS9920, LS9926,*	*Pass-through, 2012, 2013, 9739, 9737, 9736, 9735, 5958,*	Bold text indicates tested ICs

	*LS9928, **LS9929**, **LS9930**, **LS9931**, LS9961, **LS9933***	*2018, 5266, 5366, 7266, 32019, 32020, 5368, 6158, 9708, 9716*	
DATA_MRV208-N_V1.3.0.7	***LS-PWM:*** ***LS9937***	*Pass-through, 2012, 2013, 9739, 9737, 9736, 9735, 5958, 2018, 5266, 5366, 7266, 32019, 32020, 5368, 6158, 9708, 9716*	Bold text indicates tested ICs

Features

Supported Features	Note
Max load capacity: 512×512 pixels (PWM, Shixin PWM IC); 512×384 pixels (common, Shixin common IC)	
Up to 1/128 scan	
Up to 16 groups of parallel RGB data or 48 groups of serial data.	Physical load. Supports up to 16 parallel data groups. Supports up to 48 serial data groups.
Color management	
18bit+	
Pixel level brightness and chroma calibration	
Quick seam correction	Support displaying test pattern when there is no signal source.
Low latency	Common chips do not support low latency, and LS99XX series chips do not support low latency either.
3D	Load capacity reduced by half.
Individual gamma adjustment for RGB	
90° image rotation	
Display of 3-color 16-point serial input	
Stable uploading of calibration coefficients	Calibration acceleration supported
Quick uploading of calibration coefficients	
Mapping1.1	
Settings of a stored image in the receiving card	

Supported Features	Note
Temperature & voltage monitoring	
Cabinet LCD	Support for a 5-Pin LCD
Bit error detection	Supports detecting the number of Ethernet cable disconnections.
Firmware program readback	
Configuration parameter readback	
Loop backup	Supports seamless switching (Note: The 1065/1063/LS99 series ICs do not support seamless switching)
Dual program backup	
No rectangle restriction	Work with specific sending cards.
Added adjustable EMC.	Require working with NovaLCT 5.4.8 or later.
10bit/12bit input source	

Others

1. When you click erase on the calibration interface: NV75 only clears calibration coefficients, while RV-S clears both calibration and seam correction coefficients.
2. For NV75, recalibrating or uploading stable calibration coefficients displays the entire screen at once, whereas RV-S displays line by line.

Change History

Change History		
Program Version	**Release Date**	**Description**
V1.3.0.0.D0	2025-03-11	First release
V1.3.0.0	2025-03-26	Official release