

A10s Plus-N Firmware Program Release Notes

Basic Information

Program Type (General or Customized)	General
Applicable Receiving Card	A10s Plus-N

Chip List

Program Package	Driver Chip	Decoding Chip	Note
DATA_A10s Plus-N_V4.8.2.0	<i>MBI series: MBI515x, MBI5252, MBI5040, MBI5353, MBI5353B</i> <i>ICN series: ICN2053, ICN2055, ICN2065</i> <i>SUM series: SUM2028, SUM203x, SUM213x</i> <i>SM series: SM16158, SM16159, SM16259</i> <i>Others: TLC5958, TLC59581, SCL8060</i>	74HC138, 74HC595, RT5953, RT5958, SM5266, ICN2013, ICN2018/2019	
DATA_A10s Plus-N_V4.8.2.3	<i>MBI series: MBI5253</i>	74HC138, 74HC595, RT5953, RT5958, SM5266, ICN2013, ICN2018/2019	

Features

Supported Features	Note
Maximum load capacity: 512×512 pixels (PWM IC)	For module design, it is recommended to use horizontal conventional layout. Irregular layouts, such as column scanning, folding, or skipping pixels, may affect the maximum load.
Up to 1/64 scan	
Up to 32 groups of parallel data; 64 groups of serial data (expandable to 128 groups of serial data)	
Image booster (22bit+, precise grayscale)	NovaLCT V5.4.0 and later.
Color management	

Supported Features	Note
Pixel level brightness and chroma calibration	
Quick seam correction	
Low latency	By default, low latency is enabled and cannot be toggled off.
3D function	Load capacity will be halved when this is enabled.
Individual gamma adjustment for RGB	
90° image rotation	
Free image rotation	
HDR function	
Display of 3-color 1-point serial input and 3-color 16-point serial input	
Smart module (dedicated firmware required)	
Automatic module calibration	
Stable uploading of calibration coefficients	Calibration acceleration is supported.
Quick uploading of calibration coefficients	
Module Flash management	
One click to apply calibration coefficients in module Flash	
Mapping1.1 function	
Settings of a stored image in the receiving card	
Temperature and voltage monitoring	
Cabinet LCD	Only 5-Pin LCD is supported.
Bite error detection	
Status detection of dual power supplies	
Firmware program readback	
Configuration parameter readback	
Dual card backup and status monitoring	
Loop backup	
Dual backup of configuration parameters	
Dual program backup	
Dual backup of calibration coefficients	
No rectangle restriction	Supported on specific sending cards.
Adjustable EMC	

Supported Features	Note
10bit/12bit input source	

V4.8.2.0 Updates

New Features
<ul style="list-style-type: none">• Supports MBI5253 chip when working with NovaLCT V5.4.7
Improvements
<ul style="list-style-type: none">• None
Bug Fixes
<ul style="list-style-type: none">• None

Others

1. Must work with NovaLCT V5.4.7
