PBOX100 is Nova Asynchronous Controller, designed for industrial use, can be used in all kinds of application environments. It has the following characteristics:

1) Remote play-program publishing;
2) Remote Monitoring;
3) Remote power supply control;
4) Play as per time segment or according to date, week and time;
5) Display window auto-adapting;
6) Multiple LED screens displaying synchronization;
7) Support a variety of media formats, such as video, images, text,
weather, clock, countdown, Word, Excel, Txt etc;

8) Support emergency insert play and immediate notification;

9) Remote playback log managing;

10) USB disc import and Plug-and-Play;

11) Support remote upgrade of application software and firmware program;

12) Flexible driving capacity: 512x1024, 800x600, 1024x512, 1536x384, 2048x256;

13) Full-scale drive IC support: TI, Toshiba, MBI, Siti, Sumacro, Mingyang, etc. Support DM13H, MBI5024/5036/5034, MBI5042/5041/5030, MBI5040, MBI5050, etc;

14) Support full-color LED screens, static to 1/32 scan, real pixel/virtual pixel;

15) Field frequency as 60Hz;

16) The gray level is configurable, and support 16 bit 65536 level gray scale maximum;

17) Refresh frequency: scanning screen can achieve 3840Hz and static screen can achieve 6000Hz;

18) Support brightness calibration and color calibration;

19) Support led open/short circuit detection of MBI5036, MBI5034, MBI5039, DM13H;
20) On-board temperature and voltage detection;

21) Support (with light sensor NS048C) automatic brightness adjustment;

22) Support multi-function card MFN300.
2 Dimensions and positioning

【LIGHT SENSOR】: Light sensor interface for LED display brightness adjustment according to environment;

【USB】: Connect to common USB disks available in the market;
【SD】: Insert SD card;

【Audio】: Audio input interface;

【LAN/WAN】: Megabyte Ethernet port, Connect to internet;

【OUT】: Gigabyte Ethernet port, Cascading to M3 receiving card (scan board) (MRV300/MRV320), or multi-function card (MFN300);
3 Working conditions

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<thead>
<tr>
<th></th>
<th>Max</th>
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<th>Min</th>
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<tbody>
<tr>
<td>Working voltage (V)</td>
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<tr>
<td>Working current (A)</td>
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<td>Operation temperature (°C)</td>
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<tr>
<td>Storage temperature (°C)</td>
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<td>Min</td>
<td>-40</td>
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