BR480 V1.2.0.0 Program Release Notes

Release

1. 2025.11.13 V1.2.0.0

Features

1. Max load capacity: 512×512 pixels.

2. Up to 1/64 scan.

3. Up to 40 groups of parallel data; 64 groups of serial data (expandable to 128 groups of serial data). Note: This refers to physical load.

4. Color management.

5. 18bit+.

6. Pixel level brightness and chroma calibration.

7. Quick seam correction. Note: Performing without input source is supported and independent on/off switch is also supported.

8. Low latency. Note: Low latency is enabled by default, and non-low latency is not supported.

9. 3D. Note: The load capacity will be reduced by half.

10. Individual gamma adjustment for RGB.

11. Image rotation in 90° increments.

12. Free image rotation.

13. HDR function.

14. Display of 3-color 16-point serial input.

15. Smart module (dedicated firmware required).

16. Automatic module calibration.

17. Quick uploading of calibration coefficients.

18. Module flash management.

19. One click to apply calibration coefficients in module flash.

20. Mapping function.

21. Settings of a stored image in the receiving card.

22. Temperature and voltage monitoring.

23. Cabinet LCD. Note: Dedicated firmware required.

24. Bit error detection.

25. Firmware program readback.

26. Configuration parameter readback.

27. Loop backup.

28. Dual backup of configuration parameters.

29. Dual program backup.

30. No rectangle restriction. Note: Requires working with all-in-one products.

31. Adjustable EMC. Note: Requires NovaLCT 5.4.8 or later.

32. Input source supports 10-bit/12-bit. Note: With an M3 sending card, 10-bit/12-bit sources support a load capacity of 512×384 pixels. With a COEX sending card, 10-bit sources support a load capacity of 512×512 pixels, while 12-bit sources support a load capacity of 512×384 pixels.

33. Dynamic sub-pixel rendering.

Others

1. No additional notes listed.

Driver IC

1. MBI series: MBI5268, MBI5269
2. SUM series: SM16389SF, SM16389, SM16169SH (SM16380SH, SM16380SW, SM16169SW, SM16386)
3. DP series: DP3264 (DP3256), DP3265 (DP3356, DP3364), DP3368, DP3254 (DP3252, DP3153)
4. ICN series: ICN2055 (ICN1069), ICN2065 (FM6565) (ICN1065S), ICN2069 (FM6565), ICN3065
5. CFD series: CFD555A, CFD555B, CFD535A (CFD555B)
6. HX series: HX8863, HX8864, HX8865, HX8964
7. FM series: FM6864 (MBI5264)

Decoding Chip

1. Static, pass-through
2. 74HC595
3. RT5953, RT5958
4. SM5266, SM5366, SM5368
5. ICN2018, ICN2019, ICN3019
6. DP32019, DP32020
7. HX6158H
8. D7266
9. FM7519
10. CFD2138s