

# Specifications

| Carbon MarkII                   | CB3 MKII                                      | CB5 MKII                                      | CB8 MKII                                      |
|---------------------------------|---|---|---|
| Pixel Pitch                     | 3.75mm  | 5.77mm  | 8.33mm  |
| Max Brightness Calibrated       | 4500nits (black)                              | 6000nits                                      | 6000nits                                      |
| Panel Dimension                 | 600mm x 1200mm x 79mm<br>23.6" x 47.2" x 3.1" | 600mm x 1200mm x 79mm<br>23.6" x 47.2" x 3.1" | 600mm x 1200mm x 79mm<br>23.6" x 47.2" x 3.1" |
| Panel Resolution (H x V)        | 160 x 320                                     | 104 x 208                                     | 72 x 144                                      |
| Panel Weight                    | 14kg / 31lbs                                  | 12.2kg / 26.8lbs                              | 11kg / 24.3lbs                                |
| Power Consumption Max / Average | 600W / 300W                                   | 480W / 240W                                   | 530W / 260W                                   |
| BTU Max / Average               | 2050 / 945                                    | 1640 / 755                                    | 1810 / 835                                    |
| Transparency                    | Solid   | Solid   | 23%   |
| Serviceability                  | Front / Rear                                  | Front / Rear                                  | Front / Rear                                  |
| Curving (Concave & Convex)*1    | Concave 15°~Convex 10°                        | Concave 15°~Convex 10°                        | Concave 15°~Convex 10°                        |
| Max. Hanging (panels)*2         | 12  | 12  | 12  |
| Max. Stacking (panels)*3        | 5   | 5   | 5   |
| LED Configuration               | SMD 1515 black                                | SMD 1921 white                                | SMD 1921 white                                |
| Viewing Angle Horizontal        | 140°  | 140°  | 140°  |
| Viewing Angle Vertical          | 110°  | 110°  | 110°  |
| Refresh Rate                    | 3840Hz  | 7680Hz  | 7680Hz  |
| Gray Scale                      | 16bit   | 16bit   | 16bit   |
| Frame Material                  | Carbon Fiber + Magnesium Alloy                | Carbon Fiber + Magnesium Alloy                | Carbon Fiber + Magnesium Alloy                |
| Processing Platform             | Brompton / MVR / Evision                      | Brompton / MVR / Evision                      | Brompton / MVR / Evision                      |
| Operational Temp / Humidity     | -20°~45°C, 10~90%RH<br>-4°~113°F, 10~90%RH    | -20°~45°C, 10~90%RH<br>-4°~113°F, 10~90%RH    | -20°~45°C, 10~90%RH<br>-4°~113°F, 10~90%RH    |
| Storage Temp / Humidity         | -40°~60°C, 10~90%RH<br>-40°~140°F, 10~90%RH   | -40°~60°C, 10~90%RH<br>-40°~140°F, 10~90%RH   | -40°~60°C, 10~90%RH<br>-40°~140°F, 10~90%RH   |
| IP Rating (Front / Rear)        | IP65  | IP65  | IP65  |
| Certifications                  | CE, ETL, FCC, UKCA                            | CE, ETL, FCC, UKCA                            | CE, ETL, FCC, UKCA                            |

\*Note: The specifications are for reference, actual values may vary.

1. Convex curving ability only applies to custom tiles.
2. The max. hanging amount is only valid when the ROE Visual hanging bar and complementary accessories are used and in an indoor situation, safety factor is 8. No climbing is allowed.
3. The max. stacking amount is only valid when the ROE Visual stacking system and complementary accessories are used, sufficient ballast is applied and in an indoor situation. No climbing is allowed.



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