

**B57-4**

**Specification**
**Technical data**

|                         |                                       |
|-------------------------|---------------------------------------|
| Full Model Name         | B57-5C-4/28 4/28 350-75/7             |
| Dimensions              | 120 x 56 x 104 mm                     |
| Weight                  | 1100 g                                |
| Resolution              | 2472 x 2064 (5 MP), color             |
| Frames per Second       | 3 - 10                                |
| Interface               | Gigabit Ethernet                      |
| Inputs                  | 1 x Trigger                           |
| Outputs                 | 1 x Flash/GPIO                        |
| Input Voltage           | 24 V DC / PoE++                       |
| Projector               | Aluminium, IP65/67                    |
| Sensors                 |                                       |
| Temperature - Operation | 0 - 40 °C                             |
| Temperature - Storage   | -10 - 50 °C                           |
| Vibration Resistance    | 30 - 500 Hz 10 g (sine)               |
| Shock Resistance        | 80 g, 1.9 ms / 25 g, 6 ms (half sine) |

**Optics**

|   |                  |
|---|------------------|
| Lenses - Focal Length                   | 4 mm             |
| Lenses - f-number                       | 2.8              |
| Vergence Angle                          | 7°               |
| Baseline (Pupillary Distance)           | 75 mm            |
| Focus Distance                          | 350 mm           |
| Operating Distance                      | 210-2000 mm      |
| Calibration Plate - Dimensions          | 390 x 390 x 3 mm |
| Calibration Plate - Grid Dots / Spacing | 15 x 15 / 48 mm  |

## Current Data Settings

Measurement Distance 210 mm - 2000 mm

### Data Table

| Distance to working volume [mm] | Z-Accuracy [mm] | Pixel Size [mm] | View Field X [mm] | View Field Y [mm] | Optics Blur [px] |
|---------------------------------|-----------------|-----------------|-------------------|-------------------|------------------|
| 210                             | 0.068           | 0.129           | 304.44            | 265.73            | 2.433            |
| 300                             | 0.138           | 0.184           | 402.77            | 379.62            | 0.806            |
| 400                             | 0.245           | 0.245           | 512.03            | 506.16            | 0.554            |
| 500                             | 0.383           | 0.307           | 621.29            | 632.69            | 1.033            |
| 600                             | 0.552           | 0.368           | 730.54            | 759.23            | 1.355            |
| 700                             | 0.751           | 0.429           | 839.80            | 885.77            | 1.586            |
| 800                             | 0.981           | 0.490           | 949.06            | 1012.31           | 1.760            |
| 900                             | 1.242           | 0.552           | 1058.31           | 1138.85           | 1.895            |
| 1000                            | 1.533           | 0.613           | 1167.57           | 1265.39           | 2.004            |
| 1100                            | 1.855           | 0.674           | 1276.83           | 1391.93           | 2.093            |
| 1200                            | 2.208           | 0.736           | 1386.08           | 1518.47           | 2.167            |
| 1300                            | 2.592           | 0.797           | 1495.34           | 1645.00           | 2.230            |
| 1400                            | 3.006           | 0.858           | 1604.60           | 1771.54           | 2.284            |
| 1500                            | 3.450           | 0.920           | 1713.86           | 1898.08           | 2.331            |
| 1600                            | 3.926           | 0.981           | 1823.11           | 2024.62           | 2.372            |
| 1700                            | 4.432           | 1.042           | 1932.37           | 2151.16           | 2.408            |
| 1800                            | 4.968           | 1.103           | 2041.63           | 2277.70           | 2.440            |
| 1900                            | 5.536           | 1.165           | 2150.88           | 2404.24           | 2.469            |
| 2000                            | 6.134           | 1.226           | 2260.14           | 2530.78           | 2.495            |