OneShot Factory Calibration Solution
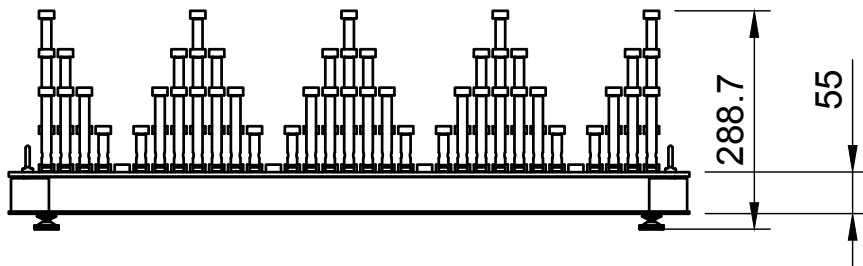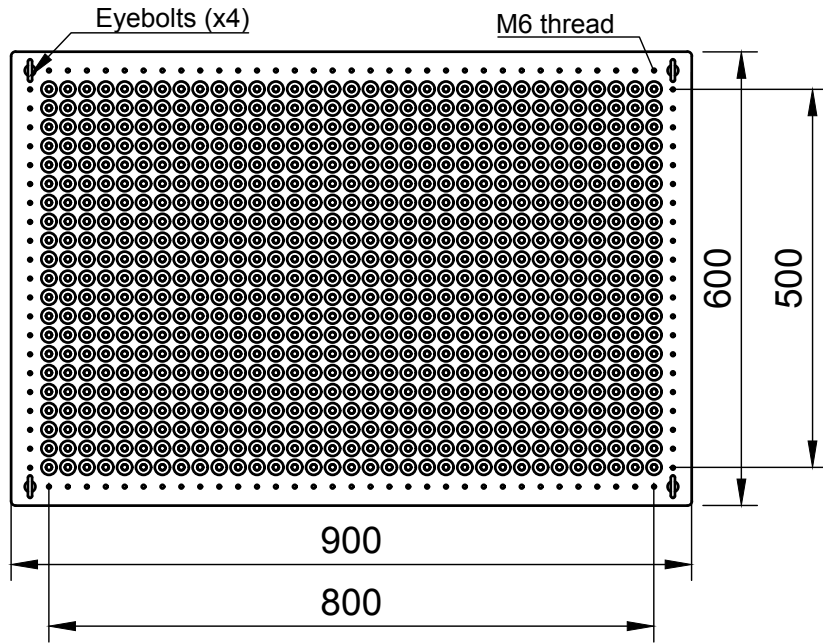
Rev 02, December 2022

Artifact

- Can be made to customer specifications (size, FOV, depth, depth range, no. of features)
- 3D artifact comprised of circle targets (aluminum) on steel posts with reference marks

Example: 900x600mm

Base dimensions	900 x 600 mm
Total marker area	800 x 500 mm
Measurement error	< 0.01 mm
Total weight	32 kg
Feature heights	5, 55, 105, 155, 205 mm
Base material	Damped, thermally stabilized, aluminum honeycomb core
Post material	Aluminum
Feature knob material	Anodized aluminum, laser etched

Software

- Artifact measured 3d geometry provided to customer as data file
- Command line interface program (Win/Linux) provided.
  - Input: image file, target definition file, input calibration file.
  - Output: camera model parameters, optimization statistics, go/no-go statistics
- Typical processing time (single camera, 8MPx, 4 core Intel i7): 0.5s
- System reqs: Linux or Windows

Eyebolts (x4)

M6 thread

600

500

900

800

288.7

55