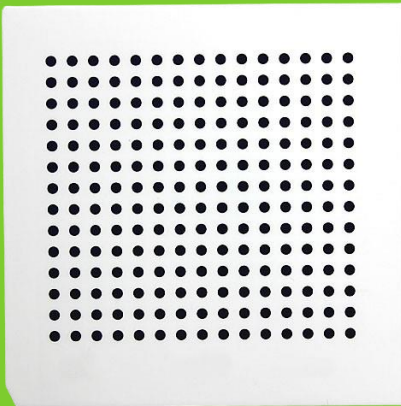


pvCal Dot Ceramic

Calibration targets dot pattern for accurate & precise measurements, compatible to OpenCV, Sherlock, etc.



Chrome pattern (blue matte) printed on ceramic, ideal for front light applications

White ceramic substrate 1.0 mm thick

- surface roughness 0.3-0.4 μm
- surface flatness: <100 mm: 10-30 μm , 100-150 mm: 60-100 μm

Standard coating: blue matte chrome

- reflectivity <5%@632 nm
- coating thickness ~150 nm
- no pinhole bigger than 0.001 mm

Overall accuracy: <100 mm: +/-2 μm , 100-150 mm: +/-3 μm

Dot diameter tolerance: +/-0.001 mm

Dot spacing tolerance: +/-0.001 mm center to center

Thermal expansion coefficient: $7.2 \times 10^{-6} / ^\circ\text{C}$

Accuracy from target edge to pattern: +/-0.05 mm

Dimension & thickness tolerance: +/-0.1 mm

Sharp edges: +/-1° angle

Pattern size mm	20.1x20.1	31.4x31.4	35.25x35.25	60.5x60.5	84.6x84.6
Dot diameter mm	0.1	0.2	0.25	0.5	0.6
Dot array	101x101	79x79	71x71	61x61	71x71
Dot spacing mm	0.2	0.4	0.5	1.0	1.2
Dimensions mm	30x30	38x38	50x50	76x76	100x100

Larger dimensions / patterns available on request.