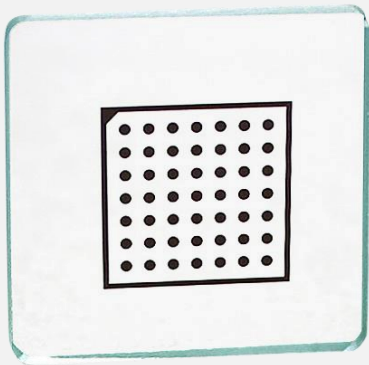


## pvCal Halcon Glass

Halcon compatible calibration targets for accurate & precise measurements



### Chrome pattern (dark brown) printed on flat glass, ideal for backlight applications

Soda lime glass 3.0 mm thick

- surface roughness <math><0.025\ \mu\text{m}</math>
- surface flatness: 5-10  $\mu\text{m}$
- transmission (420~700 nm) >85%

Standard coating: low reflective dark brown chrome

- reflectivity <math><25\%</math>@550 nm
- optical density: >3
- no pinhole bigger than 0.001 mm

Overall accuracy: +/- 1  $\mu\text{m}$

Dot diameter tolerance: +/- 0.001 mm

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

Thermal expansion coefficient: <math><100 \times 10^{-7}</math> / °C

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

Dimension & thickness tolerance: +/- 0.1 mm

Beveled edges: +/- 1° angle

Pattern size mm	6x6	10x10	20x20	30x30	40x40	50x50	60x60	80x80	100x100	120x120
Dot diameter mm	0.375	0.625	1.25	1.875	2.5	3.125	3.75	5.0	6.25	6.0
Dot array	7x7	7x7	7x7	7x7	7x7	7x7	7x7	7x7	7x7	9x9
Dot spacing mm	0.75	1.25	2.5	3.75	5.0	6.25	7.5	10.0	12.5	12.0
Dimensions mm	10x10	20x20	30x30	40x40	50x50	60x60	76x76	100x100	127x127	135x135

Larger dimensions / patterns available on request.