

Measurement Verification Using RealSense Depth Camera

Tool used: Intel RealSense Viewer – Depth Quality Tool

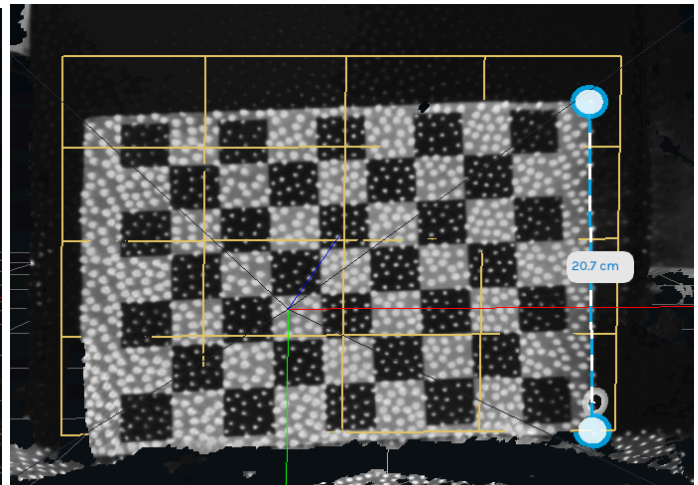
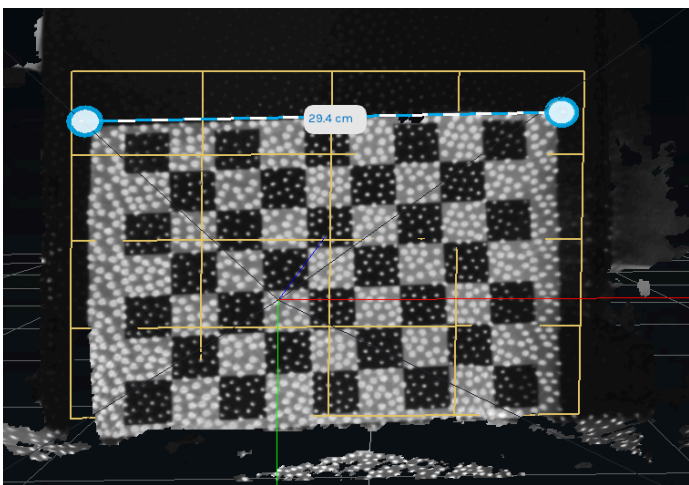
Reference A4 Paper Dimensions :

Width: 21.0 cm

Height: 29.7 cm

Measured Dimensions Using RealSense Depth Tool :

(1) At depth 305 mm :



Width: 20.7 cm

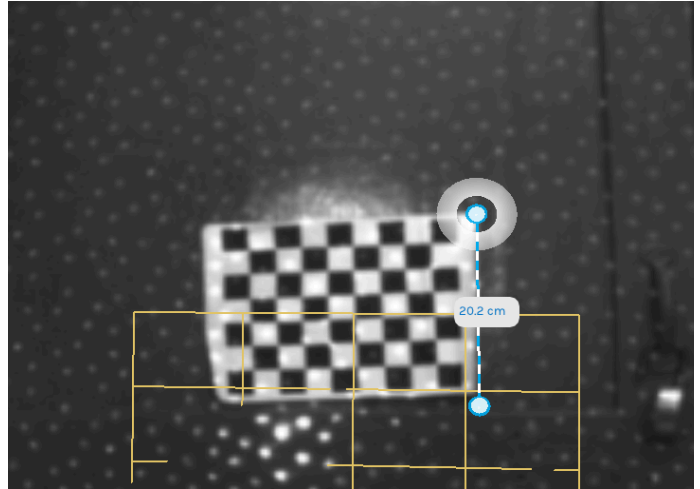
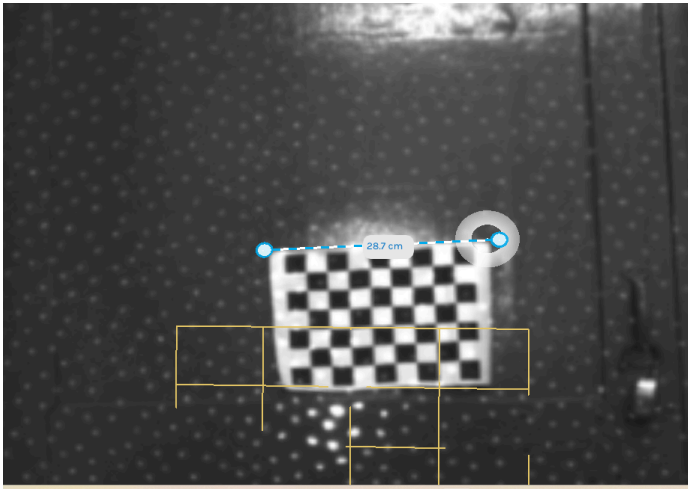
Height: 29.4 cm

Error in measurements:

Width Error: 0.3 cm (1.43%)

Height Error: 0.3 cm (1.01%)

(2) At depth 1270 mm :



Height: 28.7 cm

Width: 20.2 cm

Error in measurements:

Width Error: 0.8 cm (3.81%)

Height Error: 1.0 cm (3.37%)

Distance between two points :

Real Measurement between these 2 points(along 4 blocks) : 11.2 cm

Measurements using depth quality tool in both cases: 11 cm and 11.1 cm

