SHUKUSHAKU / PRINT & SCAN PACK

Camera scans at actual size

Print single-sided on US Letter at Actual size / 100%. Disable Fit to page.

Check the measurement lines before cutting or calibrating.

What to print

Page 2: one dual-use QR, four ArUco tiles and an instruction card.

Page 3: optional ChArUco board for camera lens calibration.

Use the QR alone for simple scans, or ArUco for distributed references.

Your first scan

1. Cut out the four tiles. Numbers identify tiles, not placement or rotation.
2. Measure each black square: it should be 45 mm wide.
3. Scan the dual-use QR to open scale.3dmylogo.com.
4. Choose QR for simple scans, or place 2+ ArUco tiles around the drawing.
5. Keep all tile faces level with the drawing and all white borders visible.
6. Check the suggested corners, correct perspective, and download a PDF.
7. Print the result at 100%. Verify a known length in both directions.

Camera calibration is optional

Mount page 3 rigidly and flat. Open the camera-calibration page in the app.

Use 15-25 varied views; keep the same camera and zoom when scanning.

Calibration helps lens distortion; it cannot flatten curled paper.

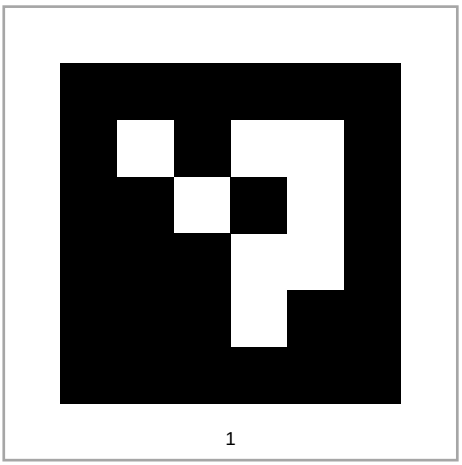
Known-size mode needs no markers: enter the actual document dimensions.

For reusable PLA tiles and the slim case, download the single 3D kit.

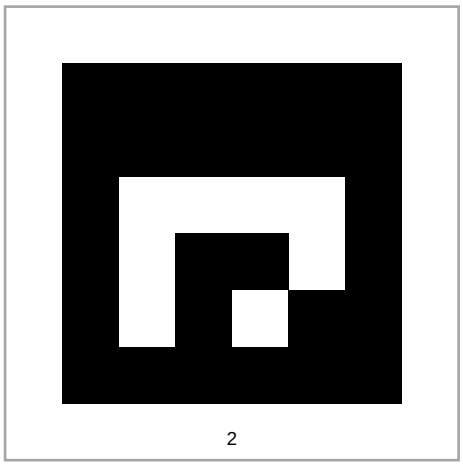
QR: 60 mm tile / 45 mm black symbol. Both opens the site and sets scale.

EVERYDAY SET / ONE QR + FOUR TILES

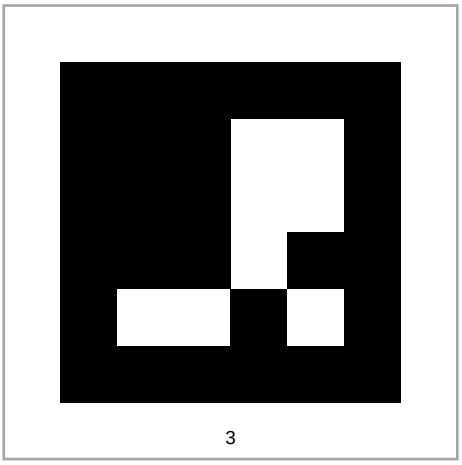
Print single-sided at 100%. Cut on the grey outlines. Leave backs blank.



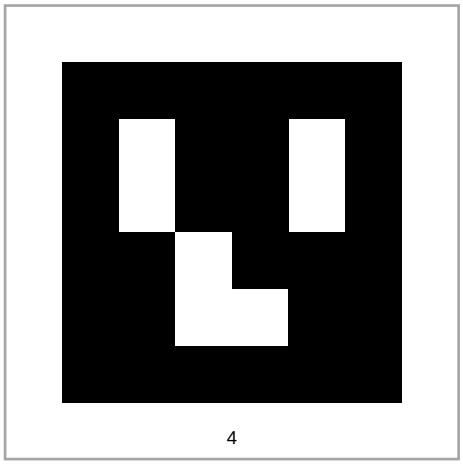
Tile 1 / black square 45 mm



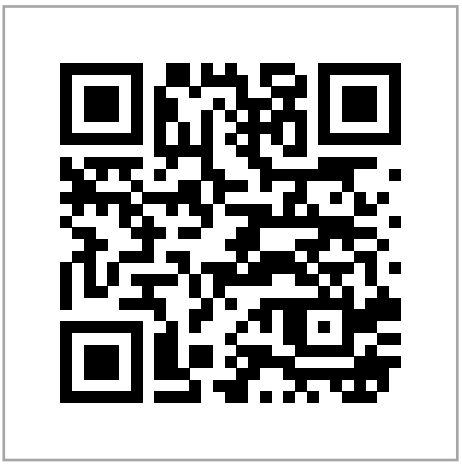
Tile 2 / black square 45 mm



Tile 3 / black square 45 mm



Tile 4 / black square 45 mm



Dual-use QR / black symbol 45 mm

SHUKUSHAKU / QUICK GUIDE



Use QR alone, or 2-4 different ArUco tiles.

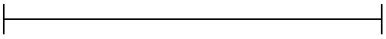
Numbers identify tiles, not their placement.

Any position or rotation; keep faces level.

Check the outline; export PDF; print at 100%.

Verify a known length before use.

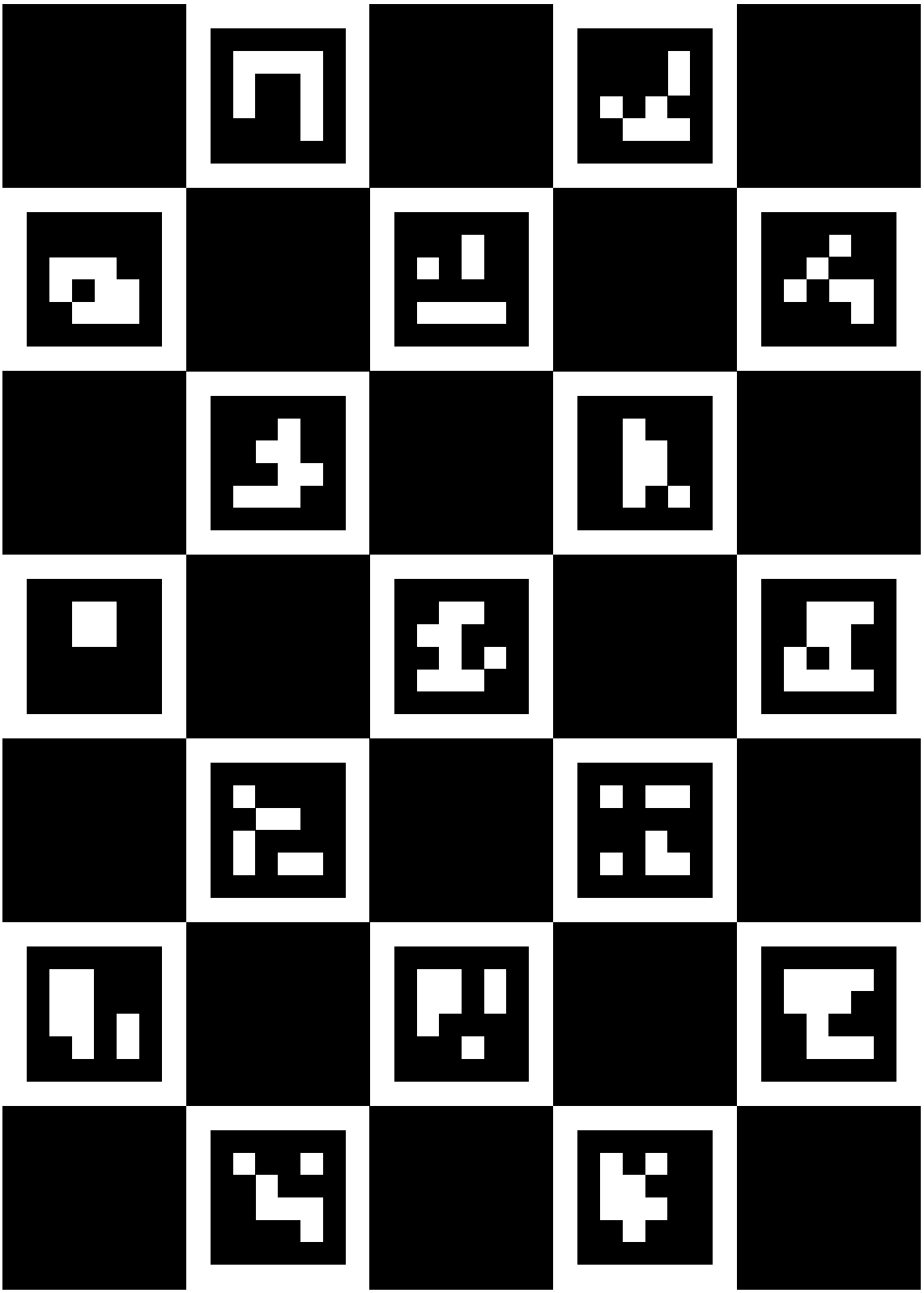
Instruction card only - not a scale reference.



Check: this line is 50 mm.

SHUKUSHAKU / CAMERA CALIBRATION

Print at 100%. Mount flat. No bends, glare or lamination.



Board: 150 x 210 mm. Squares: 30 mm. Markers: 22 mm.

DICT_4X4_50 / IDs 10-26. Measure before calibration.

Open scale.3dmylogo.com/calibrate.html on your phone.