DATASHEET

Checkerboard Calibration Target, Aluminium Composite

The classic pattern: highest corner localisation accuracy of any planar target when the whole board is in view. Supported by every calibration toolchain. Choose Fine for more corners per image (higher-resolution cameras, shorter distances) or Coarse for low-resolution or long-distance setups.

1 Ordering

Part number	Size (W × H)	Fine (F): squares · size	Coarse (C): squares · size
CT-CHT-P-200150-{F|C}	200 × 150 mm	7 × 10 · 18 mm	5 × 7 · 25 mm
CT-CHT-P-300200-{F|C}	300 × 200 mm	9 × 14 · 20 mm	7 × 10 · 25 mm
CT-CHT-P-400300-{F|C}	400 × 300 mm	11 × 15 · 25 mm	8 × 11 · 35 mm
CT-CHT-P-600400-{F|C}	600 × 400 mm	12 × 18 · 30 mm	9 × 14 · 40 mm
CT-CHT-P-800600-{F|C}	800 × 600 mm	13 × 18 · 42 mm	11 × 15 · 50 mm

2 Key specifications

ACCURACY
±0.3 mm + 0.2 mm/m (any corner to nominal grid, at 20 °C)

SUBSTRATE
Aluminium / LDPE / aluminium composite, 6 mm

FLATNESS
≤ 0.5 mm per metre, three-point support

Unless stated otherwise, dimensions are nominal at 20 °C.

1 Specifications · geometry

FEATURE	SPECIFICATION
Feature position tolerance	±0.3 mm + 0.2 mm/m (any corner to nominal grid, at 20 °C)
Square pitch, mean	±0.05 mm
Orthogonality	±0.02°
Edge radius	R6 mm

2 Specifications · physical

FEATURE	SPECIFICATION
Substrate	Aluminium / LDPE / aluminium composite, 6 mm
Weight	6.6 kg/m²
Pattern	Direct UV print, matte, black on white; optical density ≥ 1.6
Flatness	≤ 0.5 mm per metre, three-point support
Mounting	4 × M4 rear inserts (300 × 200 and larger); ¼″ fixture ACC-A-FIX-14

3 Specifications · environment

FEATURE	SPECIFICATION
Operating temperature	–50 to +80 °C
Thermal expansion	≈ 24 µm/(m·°C)
Outdoor lifetime	up to 3 years

4 Compliance & customs

TOPIC	STATEMENT
RoHS	RoHS-compliant materials.
HS code	9031 80

5 Revision history

REV	DATE	CHANGE
A	2026-10	First issue, planning values

6 Disclaimer

Values are nominal unless stated as measured; per-unit values are in the inspection report.