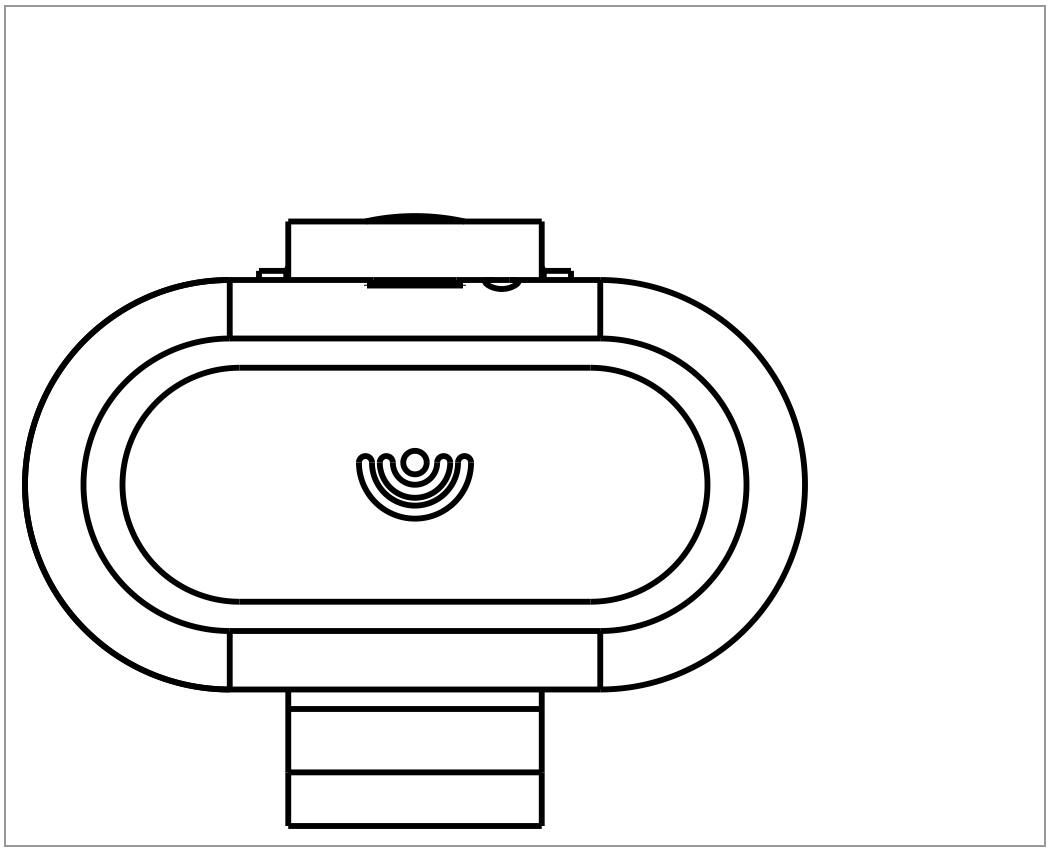
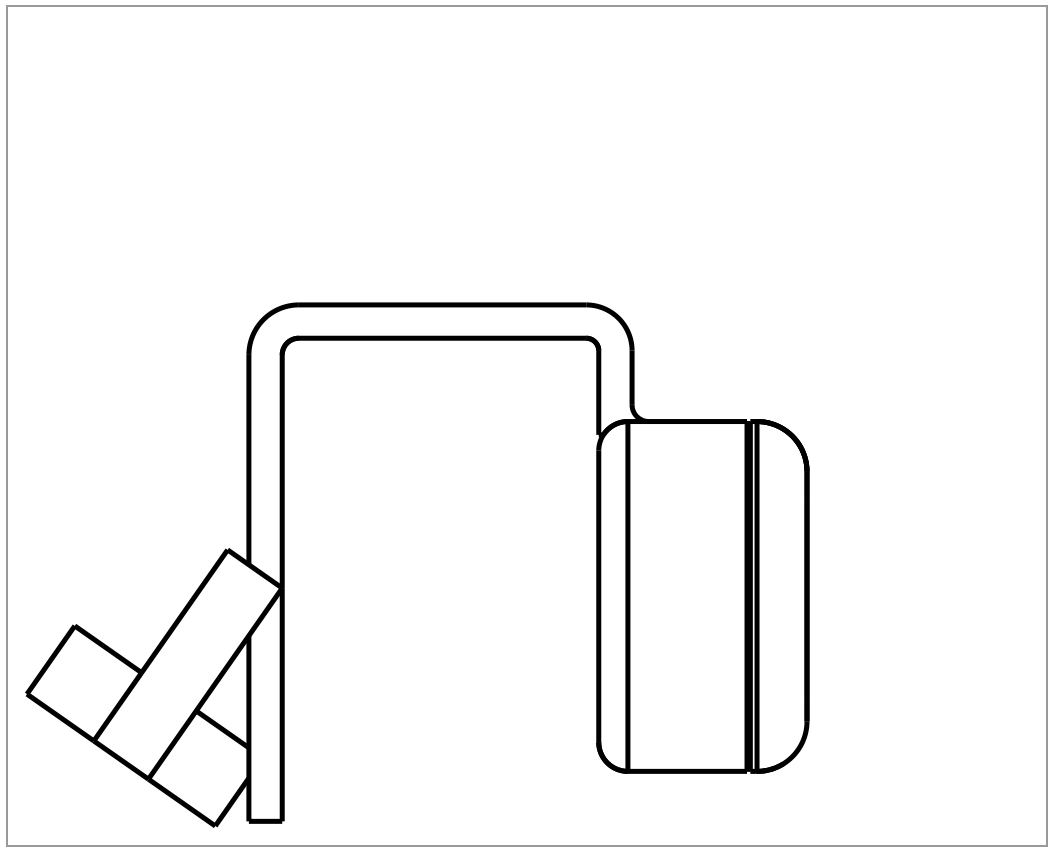
Rim-mounted pod housing, revision A, all dimensions in mm

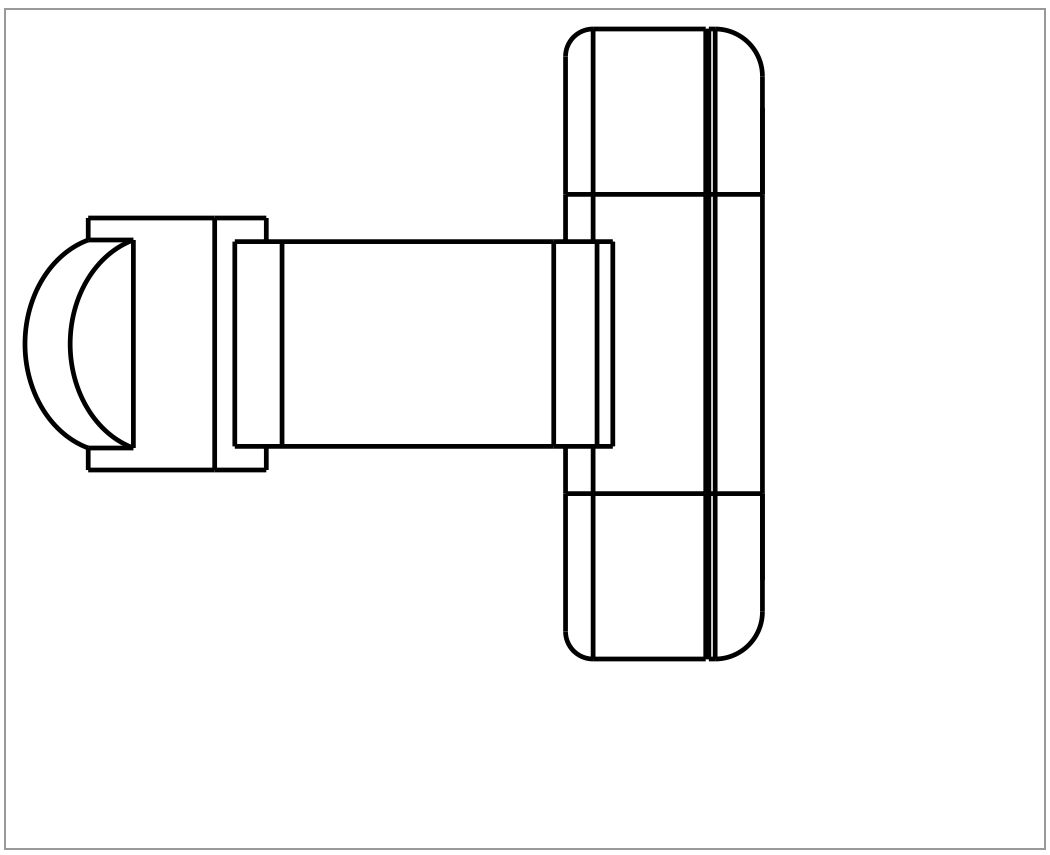
Front (outside face, +Z)



Side (from +X)



Top (from +Y)



Principal dimensions

Pod outside: 80.0 x 42.0 x 25.0 mm (length x height x depth), corner R21 (pill), edge R6.0 front / F

Wall 1.6 mm; lid depth 7.0 mm; gasket groove 1.6 x 1.0 mm; lid held by four snap hooks

Tongue 26.0 wide x 4.0 thick, spans 38.0 mm over the rim top; cable groove 17.5 x 0.5 mm

TPU fin sleeve on the hook: 4 fins 16.0 long x 1.5 thick at 50 degrees free; grips rim tops 25 to 34

Hook drop 58.0 mm, 4.0 mm wall; covers a rim flange up to 57 mm

Lip 32.0 x 28.0 x 8.0 mm, tilted 35.0 deg into the bowl; window 25.0 mm, ring 24.0 mm

Pod top sits 10.0 mm below the rim top; cavity 76.8 x 38.8 x 21.8 mm

Board 64.0 x 28.0 x 1.6 mm, holes at [(3.5, 2.5), (60.5, 3.0), (3.5, 25.5), (60.5, 25.0)] (board-local);

No holes in the lid: two 12 mm touch pads 24 mm apart behind it, LED spot thinned to 0.6 mm; US

Camera lip tilted 35 degrees toward the bowl centre

Board seat datum: three rigid bosses define the plane; the boss at pod-frame (60.5, 3.0) is 0.3 mm

Left bosses 4 mm with a 1.7 mm pilot for M2 thread-forming screws (nylon near the antenna); right

Parametric source: hardware/housing/pod.py. STEP and STL per part in hardware/housing/out/.