ARCHON AEROSPACE INC

Archon HUD

Turns a smartphone or tablet into an aviation heads-up display, reflected off an angled clear combiner plate on the glareshield.

PRODUCT SHEET

November 2026



App symbology, normal view. Mirror mode is on by default so the image reads correctly when reflected off the combiner.

01 APP FEATURES

SYMBOLOGY

- Pitch ladder and horizon
- Flight path marker
- Speed, altitude, and heading tapes
- Vertical speed (VSI) and groundspeed
- Bank angle
- Traffic cues
- Optional Direct-To

DISPLAY & SETUP

- Mirror mode on by default
- True-black background
- Brightness, color, and day/night presets
- Calibration: level and combiner pitch offset
- Declutter
- Orientation lock, screen stays on

DATA & LOGGING

- Phone IMU and GPS
- Optional GDL 90 AHRS and ADS-B from a Stratux or Sentry
- Flight data logger with CSV export
- Device profiles auto-detect the phone or tablet model
- Symbology scales up on tablets

PLATFORMS

ANDROID
Prototype (test build)

IOS
Coming

GRAPHENEOS
Supported; no Google Play required

02 HARDWARE

A per-device cradle holds the phone or tablet on the glareshield, under a clear combiner plate. A generic adjustable cradle is also offered. Concept renders below.

COMBINER

2–3 mm clear polycarbonate, set at about 45° with 5° detents.

COATINGS

Optional anti-reflective coating on the back face; optional beam-splitter film on the front.

HOOD

Matte flip-up hood.

TRAY

Vented tray with a silicone pad.

CRADLES

Per-device fits, plus a generic adjustable cradle.

FINISH

Printed in matte black ASA.



IPHONE 16 PRO CRADLE



GENERIC ADJUSTABLE CRADLE



IPAD PRO 11 CRADLE

03 SUPPORTED DEVICES

DAYLIGHT SET

About 1,000 nits or more, sustained — recommended first

- iPhone 15, 16, and 17 families, including Air
- Samsung Galaxy S24 and S25
- Google Pixel 8, 9, and 10, including the 10a
- iPad Pro 11-inch (M4)
- Generic adjustable cradle

DUSK AND NIGHT

Secondary extras for lower-light use

- iPhone 16e
- iPad mini
- iPad Air 11
- Samsung Galaxy Tab S9
- Samsung Galaxy Tab S10 FE

PRICING To be determined.

Disclaimer. Archon HUD is a backup-only, non-certified advisory aid. The pilot in command remains responsible for the safe operation of the aircraft.