

THE WORLD'S BEST PILOTS PUT THEIR FAITH IN AOA TECHNOLOGY



Military



General Aviation



Commercial

NOW YOU CAN BENEFIT FROM AOA!

Every aircraft - from the space shuttle to ultralights - utilize the principle of AOA for flight.

All military carrier landings mandate AOA technology for the safety of the pilot and crew.

Your understanding of real-time AOA information is fundamental to your safety and judgment during the entire flight.

Alpha Systems AOA puts the raw power of real-time AOA information in your cockpit.



Now Available For Certified, Pressurized & Experimental Aircraft

Eagle (Chevron Styled Display)

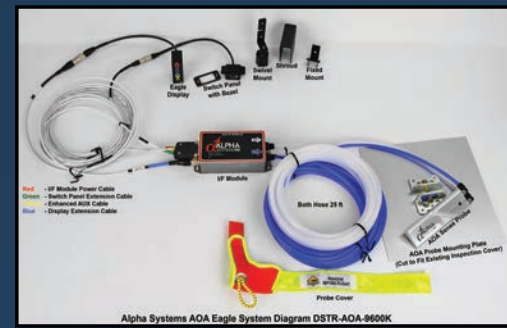
Non-Pressurized



Pressurized

Eagle (Chevron Styled Display)

Above Dash HUD



The Eagle AOA kit is a highly visible, full color display and comes complete with interface computer, prewired cable/connector harnesses, tubing, cut to fit AOA probe mounting plate, hardware and mounting brackets for installation in any aircraft. Our systems are designed for simple installation and pilot flown calibration for real time, instantaneous full-scale AOA range. Look online for full feature descriptions.

The Eagle Pressurized AOA kit was designed and comes complete with most parts to mount the AOA sense probe, connection hoses and AOA sensor module outside of the pressurized bulkhead. The AOA sensor connects through to the inside cockpit through unused pins on an existing pass through connector. Connections on the inside of the aircraft connect the signals to the display interface module for power, audio and display connections. Look online for full feature descriptions.

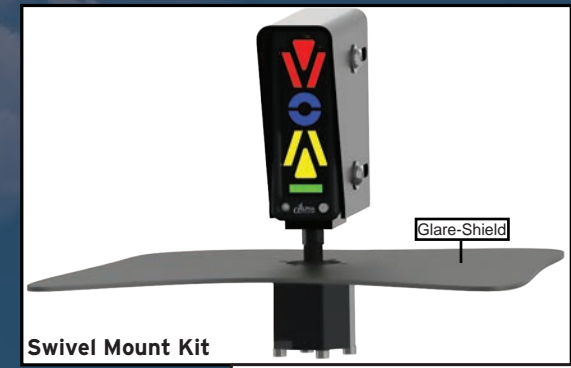
The Above Dash HUD caters to pilots that don't have room under the glare-shield. The display and switch panel are inside the dome that sits on top of the glare-shield. Intended for placement directly in front of the pilot. Allows for instantaneous viewing of AOA information exactly where needed.

- Above Dash HUD System DSTR-AOA-9600K-(ADH) Retail: \$2,980.00*
- Dual Above Dash HUD System DSTR-AOA-9600KDUAL-(ADH) Retail: \$4,150.00*
- Pressurized Above Dash HUD System DSTR-AOA-9600PK-(ADH) Retail: \$3,850.00*
- Dual Pressurized Above Dash HUD System DSTR-AOA-9600DPK-(ADH) Retail: \$4,899.00*

Calibration accomplished through switch panel *Prices shown in USD

Standard Kit Mounting Options

Flush Mount HUD



Swivel Mount Kit

Fixed Mount Kit

Both the swivel and fixed mount come in this kit.



Alpha Systems AOA Eagle HUD System Diagram DSTR-AOA-9600K-(HUD)

The Flush Mount HUD is for pilots that want a lower profile HUD on top of their glare-shield. The switch panel must be mounted on the instrument panel. Intended for placement directly in front of the pilot. Allows for instantaneous viewing of AOA information exactly where needed.

- Flush Mount HUD System DSTR-AOA-9600K-(HUD) Retail: \$2,980.00*
- Dual Flush Mount HUD System DSTR-AOA-9600KDUAL-(HUD) Retail: \$4,150.00*
- Pressurized Flush Mount HUD System DSTR-AOA-9600PK-(HUD) Retail: \$3,850.00*
- Dual Pressurized Flush Mount HUD System DSTR-AOA-9600DPK-(HUD) Retail: \$4,899.00*

Calibration accomplished through remote switch panel *Prices shown in USD



- Standard System DSTR-AOA-9600K Retail: \$2,550.00*
- Dual Display System DSTR-AOA-9600KDUAL Retail: \$3,250.00*
- Pressurized System DSTR-AOA-9600PK Retail: \$3,400.00*
- Dual Pressurized System DSTR-AOA-9600DPK Retail: \$4,050.00*

Calibration accomplished through remote switch panel *Prices shown in USD

*Additional aircraft specific fuses, wiring, disconnects, and miscellaneous installation components may be required.

*All pricing and availability are subject to change without notice.

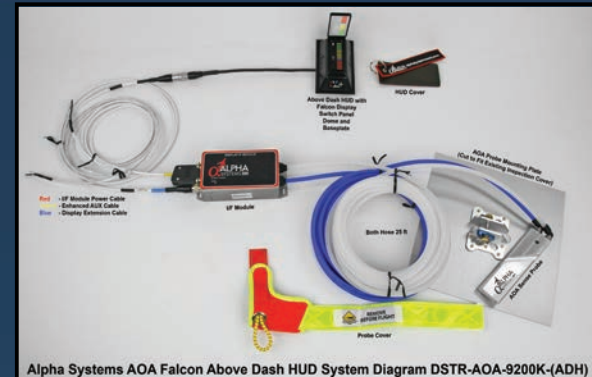
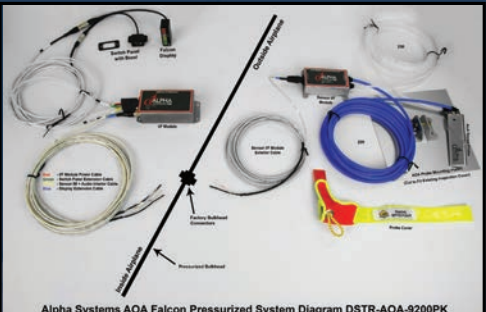
*Heated probe additional cost. See website for details.

Falcon (Bar Graph Styled Display) Non-Pressurized



Pressurized

Falcon (Bar Graph Styled Display) Above Dash HUD



The Falcon AOA kit is a highly visible, full color display and comes complete with interface computer, prewired cable/connector harnesses, tubing, cut to fit AOA probe mounting plate, hardware and mounting brackets for installation in any aircraft. Our systems are designed for simple installation and pilot flow calibration for real time, instantaneous full-scale AOA range. Look online for full feature descriptions.

The Falcon Pressurized AOA kit was designed and comes complete with most parts to mount the AOA sense probe, connection hoses and AOA sensor module outside of the pressurized bulkhead. The AOA sensor connects through to the inside cockpit through unused pins on an existing pass through connector. Connections on the inside of the aircraft connect the signals to the display interface module for power, audio and display connections. Look online for full feature descriptions.

The Above Dash HUD caters to pilots that don't have room under the glare-shield. The display and switch panel are inside the dome that sits on top of the glare-shield. Intended for placement directly in front of the pilot. Allows for instantaneous viewing of AOA information exactly where needed.

- Above Dash HUD System DSTR-AOA-9200K-(ADH) Retail: \$2,980.00*
- Dual Above Dash HUD System DSTR-AOA-9200KDUAL-(ADH) Retail: \$4,150.00*
- Pressurized Above Dash HUD System DSTR-AOA-9200PK-(ADH) Retail: \$3,850.00*
- Dual Pressurized Above Dash HUD System DSTR-AOA-9200DPK-(ADH) Retail: \$4,899.00*

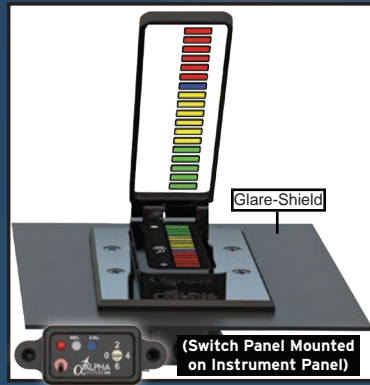
Calibration accomplished through switch panel *Prices shown in USD

Standard Kit Mounting Options

Flush Mount HUD



Both the swivel and fixed mount come in this kit.



- Standard System DSTR-AOA-9200K Retail: \$2,550.00*
- Dual Display System DSTR-AOA-9200KDUAL Retail: \$3,250.00*
- Pressurized System DSTR-AOA-9200PK Retail: \$3,400.00*
- Dual Pressurized System DSTR-AOA-9200DPK Retail: \$4,050.00*

Calibration accomplished through remote switch panel *Prices shown in USD

The flush mount HUD is for pilots that want a lower profile HUD on top of their glare-shield. The switch panel must be mounted on the instrument panel. Intended for placement directly in front of the pilot. Allows for instantaneous viewing of AOA information exactly where needed.

- Flush Mount HUD System DSTR-AOA-9200K-(HUD) Retail: \$2,980.00*
- Dual Flush Mount HUD System DSTR-AOA-9200KDUAL-(HUD) Retail: \$4,150.00*
- Pressurized Flush Mount HUD System DSTR-AOA-9200PK-(HUD) Retail: \$3,850.00*
- Dual Pressurized Flush Mount HUD System DSTR-AOA-9200DPK-(HUD) Retail: \$4,899.00*

Calibration accomplished through remote switch panel *Prices shown in USD

*Additional aircraft specific fuses, wiring, disconnects, and miscellaneous installation components may be required.

*All pricing and availability are subject to change without notice.

*Heated probe additional cost. See website for details.

Merlin

(Horizontal Bar Graph Style Display)



(Switch Panel Mounted on Instrument Panel)

- Standard System DSTR-AOA-9900K Retail: \$2,550.00*
- Dual System DSTR-AOA-9900KDUAL Retail: \$3,250.00*
- Pressurized System DSTR-AOA-9900PK Retail: \$3,400.00*
- Dual Pressurized System DSTR-AOA-9900DPK Retail: \$4,050.00*



Mounted underneath glare shield



The Merlin kit has a horizontal light bar style display. The display can be mounted on top of the glare shield with the custom mounting bracket or underneath depending on the pilots preference. Intended for placement directly in front of the pilot. Allows for instantaneous viewing of AOA information exactly where needed.

Calibration accomplished through remote switch panel *Prices shown in USD

Accessories



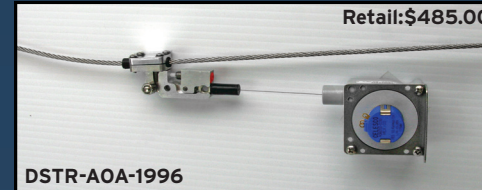
We have a variety of accessories to choose from including:

- Heated Probes with Heated Probe Relay Kit
 - 12VDC: DSTR-AOA-7000K-12V
 - 24VDC: DSTR-AOA-7001K-24V



Retail: \$645.00

- Flap Transmitter System



Retail: \$485.00

The flap transmitter is for aircraft that don't have an electrical signal to monitor flap position. Check website for in depth description.

- I/O Module Enhancement
 - Non-Pressurized: DSTR-AOA-1982
 - Pressurized: DSTR-AOA-1983

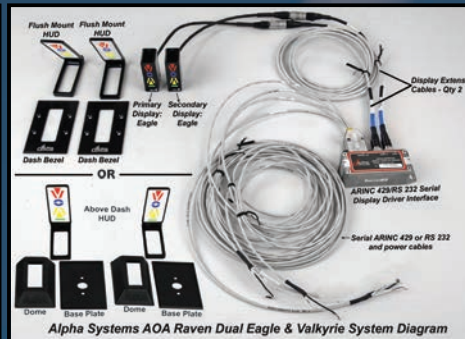


Retail: \$675.00

The I/O module expands the Alpha Systems with the capabilities of up to four flap inputs; discrete flap input or analog flap input, gear sensing advisory, and other inputs and outputs allowing the expansion for future upgrades with this system. The I/O module is plug and play with a required software upgrade to the display interface module. Comes with cables, I/O module and hardware.

Raven Serial Data Driven System for

This standalone AOA kit is for the GA, Commuter, Transport, Commercial or Military aviation community. The Raven AOA, a serial driven AOA display, is the newest kit to the Alpha Systems product line. This complete kit will display Angle of Attack through the Chevron styled indicator to the pilot through the HUD mounted on top of the glare shield. The system reads the aircraft's existing AOA data stream of either ARINC 429 or RS 232 formats delivering AOA information through our proprietary indicators in a location that minimizes cockpit workload at high Angles of Attack. Customized aircraft specific installation or OEM programs available.



GA, Transport & Commercial Aircraft Solutions

The Raven AOA system comes complete with all components, wires, hardware and mounting brackets other than aircraft specific power disconnect 1 Amp. breaker. The system connects to Power (12VDC to 28VDC), GND, AOA Data line, and Shield. It translates the data and presents through either a single or dual AOA displays with HUDs. For additional specifications or installations, please call.

ARINC 429 (Avialable with either Above Dash or Flush Mount display mounting kits)

- Single Chevron Style Display System DSTR-AOA-9300EK-ARINC429 Retail: \$4,799.00*
- Dual Chevron Style Display System DSTR-AOA-9300EKD-ARINC429 Retail: \$6,025.00*
- Single Bar Graph Style Display System DSTR-AOA-9300FK-ARINC429 Retail: \$4,799.00*
- Dual Bar Graph Style Display System DSTR-AOA-9300FKD-ARINC429 Retail: \$6,025.00*

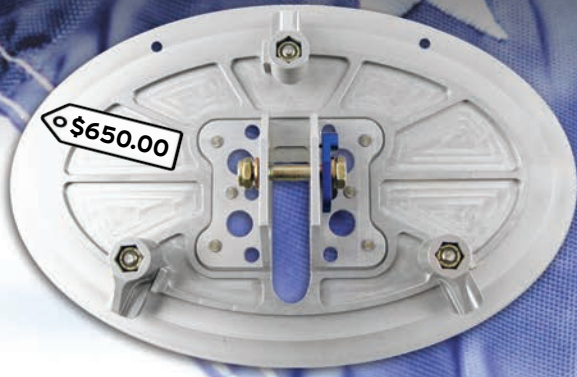
RS 232 (Avialable with either Above Dash or Flush Mount display mounting kits)

- Single Chevron Style Display System DSTR-AOA-9300EK-RS232 Retail: \$4,799.00*
- Dual Chevron Style Display System DSTR-AOA-9300EKD-RS232 Retail: \$6,025.00*
- Single Bar Graph Style Display System DSTR-AOA-9300FK-RS232 Retail: \$4,799.00*
- Dual Bar Graph Style Display System DSTR-AOA-9300FKD-RS232 Retail: \$6,025.00*

Custom communication interface avialable upon request

Due to the wide variety of existing aircraft interconnections this system is able to connect to any system with additional engineering and changes. For OEM, Military, or fleet operations. Call Alpha Systems directly for additional technical information.

Custom AOA Probe Mounting Options



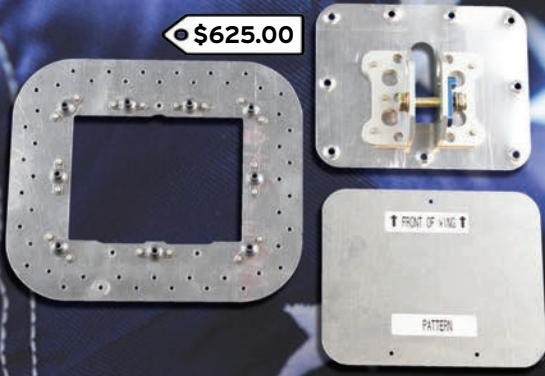
Elliptical Mounting Plate
Ex. (Cirrus G3/G5/G6 or others)



6" Round Mounting Plate
Ex. (Cirrus G1/G2 Wing or others)



3 1/2" Round Mounting Plate
Ex. (Maule or others)



Doubler Mounting Plate
Ex. (TBM or others)



06/2023