

# CERTIFIED AUTOPILOTS



# TRUTRAK

— THE AUTOPILOT PEOPLE —



# Vizion Autopilot

The Vizion autopilot is a complete overhaul of our most popular autopilot offering ever, the Digiflight II. Vizion adds altitude select, altitude preselect, emergency autopilot level, and a completely new mode called AEP. Vizion can connect to both hand-held GPS units and IFR panel mount GPS systems. When connected to the hand-held GPS units, the autopilot can follow programmed flight plans with what we call GPS Nav. With panel mount / IFR GPS navigators, the autopilot can follow roll steering commands to fly more complex flight plans.

Brand new to the PMA Vizion autopilot is a safety feature called AEP. This feature works similar to lane assist or traction control. Anytime the autopilot is powered up and AEP is in standby mode, the autopilot is monitoring the aircraft bank angle. If the autopilot senses that the aircraft bank angle has gone beyond 45 degrees in either direction, it will send a modulated command to the roll servo, which will then input a corrective force into the control system. This is not like traditional envelope protection systems, as the autopilot does not take the aircraft away from the pilot. It simply applies a corrective force into the controls, which the pilot can very easily override if needed / desired. This feature is designed to get the pilot's attention in situations when cockpit distraction is highest and to help the pilot know which way to move the controls to lower the bank angle.

## PMA Vizion Autopilot features include:

- **Bank Angle Select (if no GPS signal)**
- **Track Select**
- **GPS Nav (Point to point type flight plans)**
- **GPSS (Roll steering commands)**
- **Vertical Speed Select**
- **Altitude Hold**
- **Altitude Select**
- **Altitude Pre-Select**
- **GPSV (LPV Approaches)**
- **Control Wheel Steering**
- **Emergency Level**
- **AEP (Bank Angle Protection Mode)**



# \$5,000 COMPLETE KIT

(Includes controller, servos, wiring harness, and servo installation hardware)

Currently approved:

Cessna 172,175,177,180,182,185, & Piper PA-28, PA-32.

Pre-order:  
Mooney M20



Vizion - 2 1/4 round  
2.5" H x 2.5" W x 5.4" D  
Weight - 10 oz Volts - 12 to 28



Vizion - 3 1/8 round  
3.4" H x 3.4" W x 5.4" D  
Weight - 10 oz Volts - 12 to 28



Emergency  
Level Button



Vizion - Flat Pack  
1.6" H x 4.3" W x 6.1" D  
Weight - 10 oz Volts - 12 to 28



PMA - Servo  
4" H x 2.5" W x 5" D  
Weight - 3.4 lb Volts - 12 or 24

Trutrak offers a range of servo torque outputs and 12 volt or 24 volt options to meet the requirements of each aircraft covered under our STC. Our servos are designed with safety and durability in mind. Features include limited torque by an internal slip clutch, a disengage clutch, and an all metal gear train. It should also be noted that our servo design is free from any potential software errors because software is not used inside the servo. These features combine to create a servo that can be overridden in flight, and ensures that it is not capable of the many dangerous things that other manufacturers autopilot servos are known to do. For example, a hard over runaway is not possible, because the servo commands use a complex waveform in unison with limited torque capability.



**60 In-lb Servo**

“TruTrak has now by far the largest installation base of any manufacturer of low cost autopilots. I’ve heard from many and everybody is reporting the AP works as advertised and is flying their Cherokees very well. Support from the manufacturer continues to get high marks and at times far exceeds expectations.”

-Dave Gamblin

“I have to take my hat off to you and your company for producing such an outstanding piece of equipment. I now have more time to concentrate and I can take time to look at a map and check position without spiraling off to one side or the other.

Great job on this, I am one happy customer and I tell everyone I know what a great product that you have here.”

- Robert Hines

“Really enjoying the autopilot, best money I have spent and actually some of the least amount of money I’ve spent that has this much utility! Still can’t believe that I have a full autopilot for less than \$6,000 Installed. Amazing job with this, keep it up!”


- Vincent Harris



Go to [www.trutrakap.com](http://www.trutrakap.com) to add your airframe to our list to expedite an STC for your aircraft!


We are judging interest in the next aircraft types to be added to the approved STC list for the Vizion autopilot. To add your name to the Interest list, click this link!

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CESSNA 172, 175, & 177.**

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# Stay Tuned!



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LET'S STAY IN TOUCH!



WE ARE LOCATED AT THE SPRINGDALE MUNICIPAL AIRPORT (KASG)

