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# **Product Line Introduction**

### SkyView

The premier avionics system for experimental and light sport aircraft. Dynon offers three variants of the SkyView system. All are available with both 7" or 10" displays

## **Legacy Products**

The full line of Dynon's Legacy D10 and D100 Series products were available for approximately 15 years, starting in 2003. D10/D100 products were discontinued in 2020-2021. However, accessories remain available for purchase.

### **Portable Products**

Dynon sells a line of portable avionics that need no approval to use in any aircraft. These products are standalone in nature, and do not feature connectivity to either SkyView or the D100 series.

• <u>D3 Pocket Panel</u>: The D3 Pocket Panel is a portable situational awareness device, allowing pilots to add a modern, affordable backup attitude indicator to supplement their often unreliable legacy certified instrumentation.

# **SkyView System**

### Overview

SkyView is an integrated glass panel avionics system. Its capabilities include Primary Flight Display (PFD) information, Horizontal Situation Indicator (HSI), Engine Monitoring System (EMS), GPS moving map with procedure and en-route charts, navigation, and flight planning, three-axis approach-capable Autopilot, Mode-S Transponder with 2020-compliant ADS-B Out capability, ADS-B Traffic and Weather (US only), COM Radio, and more.

<u>SkyView HDX</u>: The flagship and latest edition of the best-selling SkyView line of displays. SkyView HDX features improved displays, beautiful design, unrivaled control ergonomics, and an upgraded touch interface over the previous (now-discontinued) SkyView Touch model. Displays are compatible with all existing SkyView components and feature identical mounting profiles and electrical connections.

## SkyView Displays, Modules, and Options

### **Displays**

SkyView displays are offered in both 7" and 10" sizes. They offer superior resolution and exceptional readability from all cockpit angles and in all lighting.

Although all displays use the same set of back-end SkyView modules and accessories, SkyView SE, Classic, and HDX displays can not be mixed in a single panel.

All displays use the same set of back-end SkyView modules and accessories.

Each SkyView connects to other SkyView displays in the panel via Dynon's redundant SkyView Network. SkyView Network has dual data pathways that let SkyView tell you about incipient physical wiring faults before they have any effect on system performance. SkyView Network-enabled modules include the SV-ADAHRS-200/201, SV-EMS-220/221,

SV-ARINC-429, SV-COM-X25/X83, SV-KNOB-PANEL, SV-AP-PANEL, and SV32/42/52 Autopilot Servos. Other SkyView components such as the SV-ADSB-472 ADS-B receiver, SV-XPNDR-26X Mode-S Transponders, and the SV-GPS-250/2020 connect via RS-232 serial connections that are also redundant: unlike any other system, multi-display SkyView systems can continue to communicate with serial products with no loss of capability as long as any single display remains available. Multiple displays can be driven by a single ADAHRS module, and all can receive data from the Engine Monitoring Module and GPS Receiver.

Some modules and features are not available with SkyView SE's simplified system feature set. See <a href="Dynon.com">Dynon.com</a> for detailed information about SkyView SE's capabilities. Additionally, major components that are compatible with SkyView SE systems are annotated with the in the price list. Smaller items such as harnesses and engine sensors are compatible with all systems.

#### Terrain and Basemap Databases

SkyView Displays contain enough internal memory to store high-resolution terrain data for a region covering thousands of miles. SkyView displays have North American high resolution terrain data pre-installed, but users may download any region of the earth to cover their location with plenty of room in every direction. Regional downloads are available for free on the Dynon Website at <a href="https://dynon.com/download">dynon.com/download</a>.

Similarly, free basemap databases contain major roads, cities, rivers, and other cultural data for display on the SkyView map. North American basemap is pre-installed, and other regions can be downloaded from <a href="mailto:dynamican-download">dynamican-download</a>.

### Charts, Procedures, and Airport Diagrams

Digital equivalents of traditional "paper" charts, procedures, plates, and airport diagrams are available from select Dynon <u>partners</u>. For example, a comprehensive option from <u>Seattle Avionics</u> is available for US customers for just \$119/year (price as of Feb 2022).

#### **Battery Backup**

SkyView can be equipped with a separate backup battery for each display in the system. Each backup battery is capable of powering its own display plus all core SkyView Network modules in the SkyView system for at least one hour when new. Note that higher current draw products that are powered directly by your aircraft power are not backed up by this optional battery. These include the SV32/42/52 Autopilot Servos, SV-COM-X25/X83 COM Radio, SV-XPNDR-26X Mode-S Transponder, and SV-ADS B-472 ADS-B receiver.

### ADAHRS Module (SkyView Network Device)

The SkyView Air Data, Attitude, Heading Reference System Module combines Dynon's proven solid-state attitude references with an integral magnetometer in a single package. Because the aft portion of the fuselage – aft of the aft cabin bulkhead – tends to be relatively isolated from magnetic interference, it is often the installation location of choice in many aircraft, such as RVs. This or similar locations in the aircraft can allow you to more easily route pitot, static and optional angle-of-attack tubes to the aft fuselage rather than to the rear of the instrument panel. The ADAHRS also contains the air data computer, which means that pitot, static, and optional AOA pneumatic lines need to be routed to the device.

#### Remote Magnetometer (SkyView Network Device)

SkyView's ADAHRS has an internal magnetometer, but in some aircraft it can be challenging to find an installation location that satisfies the placement requirements for the attitude sensors, has convenient pitot/static routing, and is located in an area free of magnetic interference. For those aircraft, Dynon Avionics offers a Remote Magnetometer that allows the installer to locate the heading sensors in a location that has less magnetic interference. When the Remote

Magnetometer is installed, magnetic heading is derived solely from the magnetic sensors in the magnetometer and the magnetic sensors in any ADAHRS installed in the aircraft are disabled. When you have the magnetometer installed, you may similarly opt to connect your OAT probe there instead of to your ADAHRS(s).

### **Engine Monitoring (SkyView Network Device)**

SkyView utilizes a separate Engine Monitoring Module to connect to all engine and fuel system probes. This module is designed to be mounted aft of the firewall.

The SkyView Engine Monitoring Module connects with all of the standard probes provided in our pre-packaged engine probe kits. For those customers upgrading to the SkyView system from our legacy D10/D100 Series products, the engine probe harness connectors will transfer directly to the SkyView Engine Monitoring Module with minor modifications.

Complete monitoring of up to 14 total CHT and EGT probes is possible with a single engine module. Additionally, a second engine monitoring module can be utilized in one of two ways: either as a way to monitor dual engines (each engine will be displayed on a single SkyView display), or, a second engine module can be used to extend the EGT/CHT thermocouple monitoring capabilities to a total of 28 total CHTs and EGTs. This allows complete monitoring of engines with more than 6 cylinders - such as the 9-cylinder M14 radial engine.

#### IFR Connectivity: ARINC-429 Module (SkyView Network Device)

The SV-ARINC-429 module enables connectivity with compatible certified IFR GPS navigators, integrating with such products as the Avidyne IFD series, the Garmin GNS, GTN, GPS 175, and similar. When connected to a navigator, a variety of features are enabled, including SkyView's ability to be that device's HSI, to display and navigate via its IFR flight plan, and to coule the autopilot to its guidance, including approaches. Other features include GPS steering for autopilot, CDI auto-scaling, and vertical guidance from WAAS-enabled GPS receivers. When the navigator is equipped with a NAV radio, VOR and localizer radio guidance can also be displayed on SkyView's HSI as well. GPS flight plans from many ARINC-connected devices can be displayed on SkyView - both visually on the map and the flight plan page. The SV-ARINC-429 module is not compatible with SkyView SE.

#### Mode-S Transponder + 2020-compliant ADS-B Out (Serial Device)

The SV-XPNDR-261/262 is an integrated Mode-S transponder that saves panel space, with control and annunciation appearing on the SkyView displays. The lightweight transponder module can be mounted anywhere in the airplane that is convenient. The SV-XPNDR-261 meets the 2020 ADS-B mandate when equipped with a high integrity GPS receiver like the SV-GPS-2020 or most certified IFR navigators.

The lower power SV-XPNDR-262 is only suitable for aircraft that do not exceed 15,000 feet altitude and/or 175 Knots airspeed, and because it is not 2020 ADS-B Out compliant, it is not suitable for US customers (see note below).

The SV-XPNDR-26X modules require coax cable, which is not available from Dynon. Dynon does have an antenna available for purchase; see the SkyView Installation Manual for further information.

**NOTE ON US ADS-B Out COMPLIANCE:** FAA regulations only allow the higher power Class 1 transponder (SV-XPNDR-261) to be used as an ADS-B out device in order to meet the 2020 ADS-B Out equipment mandate. Therefore, US customers planning on flying in ADS-B rule airspace should only purchase the <u>Class 1 SV-XPNDR-261</u> transponder.

#### SkyView GPS Antenna/Receiver Options

Dynon sells two GPS Antenna/Receivers that are compatible with SkyView.

The SV-GPS-2020 is a high integrity GPS that - when paired with the SV-XPNDR-261 – allows SkyView and Advanced Flight Systems customers to meet the 2020 ADS-B Out requirements. Therefore, Dynon recommends the SV-GPS-2020 and the SV-XPNDR-261 for all US customers that intend to fly in ADS-B rule airspace. At this time, Dynon does not make any assurances that the SV-GPS-2020 will be suitable for ADS-B or other high integrity uses outside of the US.

The SV-GPS-250 is a 5 Hz WAAS GPS receiver/antenna. It is suitable for customers that do not need the SV-GPS-2020 for ADS-B Out compliance (such as non-US customers).

#### ADS-B Dual Band Traffic and Weather Receiver (Serial Device)

The SV-ADSB-472 is a lightweight remote-mounted ADS-B receiver that utilizes an externally mounted antenna for superior ADS-B reception. The SV-ADSB-472 provides subscription-free weather displayed on SkyView, including NEXRAD radar, METARs and TAFS, winds aloft, and more. It also receives ADS-B TIS-B traffic with precise location, altitude, speed, and direction. The SV-ADSB-472 receives traffic information via both the UAT (978 MHz) and 1090 MHz frequencies, giving you the best-possible traffic portrait in the cockpit.

For best traffic reception in the US, the ADS-B system needs to know that your aircraft exists so it can relay all traffic targets to your aircraft, including those that aren't ADS-B equipped. To accomplish this, you should equip your aircraft with an ADS-B Out device like the SkyView SV-XPNDR-261 Mode-S Transponder. Weather reception works with or without ADS-B Out capability.

The SV-ADSB-472 module requires a separate external antenna (available from Dynon) and coax cable (not available from Dynon). See the SkyView Installation Manual for further information. The SV-ADSB-472 module is not compatible with SkyView SE.

### SkyView VHF COM Radio (25 kHz & 8.33kHz) (SkyView Network Device)

The SV-COM-X25/X83 are integrated COM radios that allow you to tune frequencies by airport and station type - rather than by spinning in a number from the panel mounted control head – by utilizing SkyView's aviation database capabilities (requires navigation mapping software). The SkyView COM Radio consists of a dedicated control panel and a remote-mounted transceiver module.

The SkyView COM Radio module requires a separate external antenna and coax cable which we do not sell; any antenna suitable for use with an aircraft COM will work. Please note that the SV-COM-X25 is 25 kHz spacing only and works in the US and other countries with 25 kHz spacing systems. The SV-COM-X83 has both 8.33 and 24 KHz kHz channel spacing options. Both products feature a TSO'd transceiver module. The SkyView COM Radio must be installed with a Dynon SkyView System, as important adjustments are performed from the SkyView display.

#### Dynon SV-INTERCOM-2S Two-Place Stereo Intercom

Dynon's two-place stereo intercom solves the problem of having to choose between an under-featured intercom and an expensive audio panel. The SV-INTERCOM-2S has everything pilots need to connect EFIS systems, your COM radio, stereo music, and other audio devices in their modern instrument panels by providing ample inputs. These include: dual muting inputs (one stereo for music), four non-muting inputs (one stereo for capable EFIS systems such as SkyView; the rest mono for radio and other avionics), dual stereo headset connections, and dual radio outputs. The SV-INTERCOM-2S includes Horizontal and Vertical faceplates as well as headset jacks. It is not TSO'd.

### SkyView Knob Control Panel (SkyView Network Device)

The SV-KNOB-PANEL Knob Control Panel adds dedicated controls for the items that you adjust most. Altitude bug and heading/track bug knobs are often-used to direct the autopilot or as reminders when hand-flying, and the BARO (altimeter

setting) is one of the most frequently-adjusted items in the cockpit. The SV-KNOB-PANEL has two SkyView Network ports to let you chain devices in and around the panel without adding additional SkyView Network hubs or splitters.

### SkyView Autopilot Control Panel (SkyView Network Device)

The SV-AP-PANEL has dedicated buttons for all autopilot modes, including the flight director and level mode.

It also has an integrated two channel trim controller that eliminates the need to equip with relay decks for trim control. The trim controller has SkyView-adjustable airspeed based speed scheduling that can slow down trim motor movements as airspeed increases. This allows you to attain consistent trim change for a given trim adjustment duration. Safety features include trim runaway protection, pilot command priority override, and unlike competing systems, the trim controller does not depend on the autopilot servos and continues to operate independently of them. The trim controller is even able to continue operation without SkyView as long as it is receiving aircraft power.

The SV-AP-PANEL has two SkyView Network ports to let you daisy chain devices in and around the panel without adding additional hubs or splitters.

Note that although the SV-AP-PANEL can be used for trim control and autopilot auto-trim capabilities in SkyView SE systems, SkyView SE's simplified operation inhibits all of the control panel buttons. In SkyView SE systems the SV-AP-PANEL would most likely be used as a blind/remote installed module to enable trim control and autopilot auto-trim features.

### Wi-Fi Adapter for SkyView (USB)

The Wi-Fi Adapter for SkyView allows SkyView to connect to wireless devices such as tablets and phones. This allows SkyView to exchange flight plans with and send other information like ADAHRS and GPS position to compatible phone/tablet apps. You must have a Wi-Fi Adapter connected to every display in your aircraft to enable Wi-Fi connectivity. The Wi-Fi Adapter is not compatible with SkyView SE systems.

#### Video Input Adapter for SkyView (USB)

SkyView Video Input Adapter plugs into a SkyView USB port and allows you to display any S-Video or Composite video source on your SkyView display in full screen or half screen modes. The SkyView Video Input Adapter must be plugged in before the display is turned on and remain plugged in for the full flight to view video on the connected display. In a multiple display system, one Adapter must be used on each display that you want to show video on; they do not share the video over the network. Dynon Avionics does not supply cameras or other video sources, or cabling associated with video devices. The video device will require power that is not supplied or controlled by SkyView.

Please Note: The Video Input Adapter is only compatible with SkyView HDX, SkyView Touch SV-D1000T displays, SV-D1000 displays serial number 6000 and higher, and SV-D700 displays serial number 4000 and higher. The Video Input Adapter is not compatible with SkyView SE systems.

## **Connecting Everything Together**

#### **Display Harness**

The D37 display harness contains all wiring needed to connect it to ships power and all devices that don't connect via SkyView Network. This harness includes one NMEA serial connector for GPS input, 4 general purpose serial connections, backup battery connector, audio outputs, four discrete general purpose inputs, a panel dim input/output, primary power and primary ground. The Main Harness can be purchased separately if desired for early installation. It is included in SkyView Display bundles.

#### SkyView Network

Displays and SkyView Network modules are connected via straight-through 9-pin "SkyView Network" cables. SkyView Network connections feature dual-redundant data and power connections so that SkyView can notify you of incipient wiring issues before they affect system performance.

We recommend the Dynon SkyView Network cables because they are made of aircraft quality Tefzel® wires, and conform to Dynon's requirements to minimize interference. The SkyView Network is a true bus, so you can make as many network connections as desired. Autopilot servos are also connected via the SkyView Network cables but require that power and ground connectors be broken out separately to be connected to their own electrical bus circuit-breaker or fuse. A special Autopilot Servo Network wiring kit is available for this purpose.

Note: SkyView Network connections are needed between all Displays, ADAHRS Modules, Engine Monitoring modules, ARINC modules, Autopilot Servos, Knob Panels, Autopilot Panels, and SkyView COM radios in the aircraft. SkyView displays, SV-KNOB-PANELs, SV-AP-PANELs, and COM radios all have two SkyView Network connectors to allow easy "chaining", while all other modules have one SkyView Network connector.

Cables listed with the descriptor "1 end with pins only" are shipped with the second connector not attached to the cable for ease of routing, but the connector is included to be fitted with the pins once routing is complete. The SV-NET-HUB is a 5 port hub that allows multiple SkyView Network connections to be easily made. In a two-display system, one of the two SkyView Network connectors on each display is usually connected to the other, while the remaining connectors (one per display) go to other devices, via a SV-NET-HUB if more than two more non-panel-mounted SkyView devices are installed in the aircraft. Additionally, the dual SkyView Network connectors on the COM Radio panel, SV-KNOB-PANEL Knob Control Panel, and SV-AP-PANEL Autopilot Control Panel allows these products to be chained up to all other devices that may already be collocated behind the panel - often an Engine Monitoring or ARINC module. Essentially, adding panel-mounted SkyView components has zero net effect on the amount of SkyView Network splitters or hubs that are required in the aircraft.

#### Ethernet

SkyView systems with multiple displays can have their Ethernet ports connected together with an Ethernet cable such as the SV-ETHERNET-3CC. When connected together, monthly digital aviation/obstacle databases are synchronized between displays after being loaded to the first one, simplifying this routine update. Note that the ethernet connection between SkyView displays is made *in addition* to the 9 pin SkyView Network connections. Dynon Avionics strongly recommends "Low Smoke Zero Halogen" Ethernet cables for use in aircraft. A Low Smoke Zero Halogen Ethernet cable is available from Dynon Avionics (SV-ETHERNET-3CC). Contact Dynon Avionics for additional information if your aircraft has more than two displays.

#### **Serial Devices**

Devices in this ordering guide labeled "Serial Device" do not utilize SkyView Network for data connectivity, but instead utilize one of SkyView's five serial ports provided for on the SkyView main wiring harness (one included with each display). And unlike any other system, multi-display SkyView systems can continue to communicate with serial products with no loss of capability as long as any single display remains available.

Serial port wires are built into the SkyView display harnesses. See the <u>SkyView Installation Guide</u> for more details about SkyView Network and Ethernet connection requirements.

#### **Navigation Mapping Software**

Navigation Mapping Software is included with all SkyView Classic, Touch, and HDX displays since August 2016.

Free aviation and obstacle data for the Navigation Mapping Software is available from Dynon Avionics for US customers. Customers worldwide can purchase aviation and obstacle data from Jeppesen and PocketFMS.

As SkyView SE does not have any mapping capability, the SV-MAP-270 Navigation Mapping Software is not applicable to those systems.

#### **Synthetic Vision Software**

SkyView displays can be purchased with or without a license pre-installed that allows Synthetic Vision to be shown. The vast majority of SkyView systems sold include Synthetic Vision. If you purchase a SkyView display that does not include the Synthetic Vision Software license, it can be added at any time through the purchase of a SV-SYNVIS-280 SkyView Synthetic Vision Software Certificate (\$100). As SkyView SE does not have synthetic vision capability, this feature does not apply to those systems.

#### **VP-X Software License**

Enables interoperability between SkyView and the VP-X system made by Vertical Power, Inc. The VP-X is an electronic circuit breaker system that uses the SkyView display for annunciation. Only one SV-VPX-290 purchase is required per airplane, no matter how many SkyView displays it contains. This license is only usable if a VP-X is installed in the system. Dynon does not sell the VP-X; it is available from Vertical Power and dealers. VP-X capability is not available on SkyView SE systems. The SkyView

# Pitot Probes for SkyView and Legacy Series

### Angle of Attack/Pitot Probe

When equipped with a Dynon AOA/Pitot Probe, your EFIS or SkyView PFD can indicate AOA both visually and audibly (when connected to your intercom or audio panel). The AOA/Pitot has two ports that are used to sense airspeed and angle of attack. It is available in two styles. The normal, "L shaped" under-wing style (part number 100141-000) is used by the vast majority of customers that order the AOA/Pitot Probe. For unique aircraft that require a straight tube "boom" style pitot, order part number 100532-000.

Dynon Avionics makes a pitot bracket that is designed to work in Vans RV series aircraft, although builders have adapted it for use in other aircraft. Additionally, any bracket made for an AN5812 style pitot tubes will fit Dynon AOA/Pitot Probes.

The AOA/Pitot probe does not have a built-in static port, nor can it be modified to install one.

## Heated Angle of Attack/Pitot Probe

The heated pitot is mechanically the same as the regular pitot above. The heated pitot includes multiple heating elements that are regulated by a separate pitot heater controller unit supplied with the pitot. The controller actively monitors a temperature within the pitot and regulates the power to maintain a constant temperature. This not only conserves energy, but additionally prolongs the life of the heater. The controller also outputs a signal that can be wired to a warning light or EFIS contact input that let's the pilot know whether the heater is on or is off/malfunctioning.

# **Engine Monitoring Kits and Sensor Descriptions**

The EMS-D10, EMS-D120, and the SkyView System requires an appropriate set of engine sensors to perform monitoring functions. The following sensors and packages work with all of our systems.

#### **EMS Engine Probe Packages**

Dynon Avionics has configured probe/harness packages for the most popular engines on the market. Each package includes a set of sensors and harnesses that covers the most commonly monitored parameters, including CHTs, EGTs, oil temp, oil pressure, fuel pressure, amps, and more, depending on the engine. High-quality solid-state Kavlico sensors are used for oil, coolant, and fuel pressures. See Table 1 on the order form for precise engine package contents.

EMS Engine Packages come with both harnesses needed to connect the included probes to the EMS-D10, EMS-D120 and SkyView SV-EMS-220.

The EMSKIT-RTXiS for the fuel injected Rotax 912/915 iS is an exception, as it requires the SV-EMS-221 and only works with the SkyView system.

#### **Fuel Flow Transducer**

When equipped with the optional Fuel Flow Transducer, your EMS/FlightDEK-D180/SkyView becomes a full fuel computer or totalizer, able to calculate such items as time remaining, gallons remaining, and other useful fuel flow derived information. Because it is a relatively expensive single sensor, it is not included with any engine probe package and is sold separately as an option.

### Capacitance to Voltage Converter

These converters allow builders of Vans RV and other aircraft with capacitive plates in their fuel tanks to measure fuel quantity with Dynon's Engine Monitoring products. One converter is required per tank; a maximum of two are supported. Each is equipped with a BNC connector, making connection to the Vans plates a snap.

### EMS OAT Probe (p/n 100433-000) \*

For engine probe packages that do not include the EMS OAT, it can be added as an individual probe. Includes 10' of wire.

See "\*OAT special note" below for additional information on selecting the right OAT.

#### Items not supplied

Dynon Avionics does not supply fuel quantity senders. However, our SkyView, EMSes and FlightDEK-D180 are compatible with any resistive "float" style fuel level sender, or capacitance probes that output a variable voltage between 0-5V DC.

Additionally, tachometer transducers are not supplied, but for most engines one is not required. See our installation guides, available at <a href="mailto:dynon.com/docs">dynon.com/docs</a>, for details.

# \*OAT special note - selecting the right OAT for your configuration

For the SkyView system, the OAT probe is bundled with the ADAHRS module and thus does not need to be ordered separately.

For the D10/D100 Series, there are two OAT probes available from Dynon Avionics.

To connect an OAT to a single EFIS-D100 or EFIS-D10A, purchase part number 100433-001 which connects through the EDC-D10A remote magnetometer (optional equipment when purchasing an EFIS-D10A).

To connect an OAT to a single EMS-D120 or EMS-D10, use the OAT for the EMS - part number 100433-000.

If you have both an EFIS and an EMS, or an EFIS and an FlightDEK-D180, you can use either of the above OAT probes. There are a few things to consider when choosing which one to use. The EMS OAT (100433-000) uses one of three available EMS general purpose inputs. Other things that these inputs can be used for are carb air temperature, coolant pressure, coolant temp, elevator/aileron/rudder trim, flaps position, Rotax CHTs (2), and more. If you would prefer to free up all 3 of these inputs for some of these other sensors, and are configuring your aircraft with an EFIS and EMS or FlightDEK-D180, you can choose to use the EFIS OAT (100433-001), which connects to the EDC-D10A remote compass.

# **Autopilot**

A Dynon Avionics Autopilot is simply a Dynon Avionics SkyView, EFIS-D10A, EFIS-D100, or FlightDEK-D180 connected to one, two, or three servos to drive the control surfaces. All autopilot servos are compatible with both the D10/D100 Series and the SkyView System EFIS displays. Yaw damper is only available on SkyView Classic, Touch, and HDX.

### Affordability and Redundancy

Adding a pair of servos to a Dynon EFIS for as little as \$1,600 provides the most economical two-axis autopilot available.

In a SkyView system with multiple displays, any functioning display will provide Autopilot control of the servos. This allows your SkyView system to continue to offer autopilot capability even in the event of a display failure.

#### Servos

Dynon Servos are available in a few different sizes and configurations. Maximum torque output for each model is as follows:

SV32: 36 in-lb	SV42: 55 in-lb	SV52: 72 in-lb

The maximum available force will vary by the length of the arm used or diameter of the capstan employed. Standard arm servos and long arm servos (denoted by an "L" suffix) differ only in the length of their output arms. "L" servos allow for slightly more travel in aircraft that require it, but yield a smaller force available at the longer arm attach points. Due to the decrease in available force, long arm servo models should generally only be used in aircraft that require them.

Capstan servos are also available for use in aircraft that utilize cable-driven control surfaces. Capstan servos come with the bridle cable and clamp necessary to be used in aircraft with 1/8" cables. Capstan servo models are denoted with a "C" suffix.

For more detailed data about specific servo models, please see the complete set of servo documentation, which is available at dynon.com/docs.

# **Mounting Kits**

Mounting kits are available for popular aircraft models such as RVs and Sonex. These will typically include any brackets/trays, rod ends, and connection hardware required to install each servo into a specific location on a specific aircraft.

**Note:** There is a mounting kit that is available for the RV-4 pitch axis, since it is the same as the RV-8's. However, there is no roll mounting kit available for the RV-4 and no current plans to produce one.

For aircraft that do not have specific Dynon-provided mounting kits, a generic servo mounting kit is available with rod ends and other servo connection hardware. This generic kit does not include any brackets or trays, however.

For full kit contents, see the autopilot documentation available at <a href="https://docs.com/docs">documentation available at <a href="https://docs.com/docs.com/docs">documentation available at <a href="https://docs.com/

# FastTrack Time-Saving Products

Until now, builders had to decide where to locate each avionics module or component in their airplane, design custom brackets to mount each, fabricate those custom brackets, and finally attach the brackets and modules to the airplane. FastTrack dramatically simplifies these tasks.

The FastTrack product line introduces new module mounting tray kits, trays, and brackets specifically designed to receive SkyView modules and mount SkyView displays. FastTrack also includes a wide range of electrical harnesses and cables already available to Dynon customers. All of these products are designed specifically to make the installer's job faster and easier.

### FastTrack Essentials

Available in both VFR and IFR editions, accelerate installation even further. In a first for Dynon, customers can now buy pre-assembled packages that deliver *FastTrack* mounting trays, SkyView modules, and SkyView Network Cables already mounted and connected together.

### FastTrack Module Mounting Systems

Dynon has created mounting systems that dramatically reduce the time it takes to install SkyView electronic modules. Simply fasten these Dynon's prefabricated mounting devices to your airplane, then fasten the SkyView modules using the pre-installed nut plates.

## FastTrack Module Stacking Kits

FastTrack Module Stacking Kits allow SV-ADAHRS-200/201, SV-EMS-220/221, and SV-ARINC-429 modules to be stacked together in various combinations. These are designed to complement the Universal Module Mounting Tray Kit for SV-HDX1100, but can be used anywhere else the builder has decided to mount these modules.

# D3 Pocket Panel Portable EFIS

The D3 Pocket Panel is a portable, battery powered attitude indicator that does not require installation. Unlike Dynon's panel-mounted products for experimental air light sport aircraft, pilots can use the D3 in ANY airplane.

The D3 is the newest edition of Dynon's popular Pocket Panel. It now features Synthetic Vision, an intuitive touchscreen interface, and improved brightness for superior sunlight readability.

The D3 utilizes the same Dynon MEMS-based AHRS technology that has made Dynon the leading supplier of EFIS (Electronic Flight Information Systems) in experimental and Light Sport Aircraft. The D3 offers a true artificial horizon with accurate pitch and roll, can find the horizon even if turned on in flight, and maintain the horizon during extended duration turns. The AHRS sensors also drive a turn rate indicator and slip/skid ball. Included is an internal GPS receiver to display GPS ground speed, altitude, vertical speed, and ground track. The D3 offers a second page with a graphical round dial with the current load factor shown by a needle. Plus, it records the minimum and maximum G's since being last reset by the pilot.

# Price List

# SkyView Products and Prices

## **SkyView Displays**

SV-HDX1100/B 10" SkyView HDX Display, bundle (Includes SV-HDX1100/A 10" SkyView HDX Display, SV-HARNESS-D37, SV-SYNVIS-280 Synthetic Vision, SV-MAP-270 Navigation Mapping)	\$4614	101317-008
SV-HDX800/B 7" SkyView HDX Display, bundle (Includes SV-HDX800/A 7" Display, SV-HARNESS-D37, SV-SYNVIS-280 Synthetic Vision, SV-MAP-270 Navigation Mapping)	\$3314	101318-004
SV-HDX1100/A 10" SkyView HDX Display only, (no harness) (Includes SV-SYNVIS-280 Synthetic Vision, SV-MAP-270 Navigation Mapping)	\$4490	102864-000
SV-HDX800/A 7" SkyView HDX Display only (no harness) (Includes SV-SYNVIS-280 Synthetic Vision, SV-MAP-270 Navigation Mapping)	\$3190	102865-000

## **SkyView Control Panels**

SV-AP-PANEL/V SkyView Autopilot Control Panel (Vertical)	\$579	102137-000
(trim control & AP autotrim only w/ SE)		
SV-AP-PANEL/H SkyView Autopilot Control Panel (Horizontal) (trim control & AP autotrim only w/ SE)	\$579	102137-001
SV-KNOB-PANEL/V SkyView Knob Control Panel (Vertical)	\$295	102136-000
SV-KNOB-PANEL/H SkyView Knob Control Panel (Horizontal) 53	\$295	102136-001

## **SkyView System Components**

SV-ADAHRS-200 First Air Data, Attitude, Heading Reference ADAHRS Module SE (Includes SV-ADAHRS-200 and SV-OAT-340)	\$1350	101293-000
SV-ADAHRS-201 Additional ADAHRS Module (Includes SV-ADAHRS-201 and SV-OAT-340)	\$800	101293-001
SV-MAG-236 Remote Magnetometer for SkyView SE	\$150	102388-000
SV-EMS-220 Engine Monitoring Module SE  Note: For engine probe kits and individual engine probes, refer to the EMS section	\$650	101292-000
SV-EMS-221/A Engine Monitoring Module for Rotax 912 iS / 915 iS  Note: For engine probe kits and individual engine probes, refer to the EMS section	\$650	101814-000
SV-GPS-250 GPS Antenna/Receiver Module SE	\$249	101242-000
SV-GPS-2020 GPS Antenna/Receiver Module	\$649	102749-000
SV-ARINC-429 ARINC 429 Interface Module	\$475	101406-000

	SV-XPNDR-261 Mode-S Class 1 Transponder (FAA 2020 ADS-B Out compliant in the US) SE  Note: Recommended for all US aircraft. Antenna not included, see SkyView Installation Manual for recommendations.	\$2,300	101409-000
	SV-XPNDR-262 Mode-S Class 2 Transponder (<15,000 feet, <175 Knots only) SE  Note: Antenna not included, see SkyView Installation Manual for recommendations.	\$1,900	101410-000
	SV-BAT-320 SkyView System Backup Battery SE	\$195	101265-000
	SV-HARNESS-D37 Display Harness w/ Aircraft Grade Tefzel® Wiring Note: Included with Display Bundles, but available for order separately for pre-build installation.	\$124	101231-000
	SV-MAP-270 Navigation Mapping Software Certificate (Included with SkyView starting Aug 2016)	\$200	101602-000
	SV-SYNVIS-280 Synthetic Vision Software Certificate (Included with displays unless specified)	\$100	101601-000
	SV-VPX-290 Vertical Power VP-X Software Certificate (Requires a VP-X box available from Vertical Power.)	\$285	101675-000
	SV-ADSB-472 ADS-B Dual Band Traffic and Weather Receiver	\$795	102985-000
	SV-COM-X25/V SkyView VHF Com Radio (25 kHz, Vertical) <b>SD Note: Antenna not included, see SkyView Installation Manual for recommendations.</b>	\$1,295	102033-000 -panel 103708-000 -xcvr (both required)
	SV-COM-X25/H SkyView VHF Com Radio (25 kHz, Horizontal) SE Note: Antenna not included, see SkyView Installation Manual for recommendations.	\$1,295	102043-000 -panel 103708-000 -xcvr (both required)
	SV-COM-X83/V SkyView VHF Com Radio (8.33 kHz, Vertical) SE Note: Antenna not included, see SkyView Installation Manual for recommendations.	\$2,195	102033-000 -panel 102309-000 -xcvr (both required)
	SV-COM-X83/H SkyView VHF Com Radio (8.33 kHz, Horizontal) SE Note: Antenna not included, see SkyView Installation Manual for recommendations.	\$2,195	102043-000 -panel 102309-000 -xcvr (both required)
	Video Input Adapter for SkyView (USB)  Note: Requires SkyView SV-D1000/SV-D1000T s/n 6000+ or SV-D700 s/n 4000+)	\$198	102211-000
	Wi-Fi Adapter for SkyView (USB)	\$39	102405-000
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## **Panel Accessories**

SV-BUTTON-LEVEL Autopilot LEVEL Button	\$49	102553-000
SV-BUTTON-APDISC Autopilot Disconnect Button	\$49	103358-000
SV-BUTTON-YD Yaw Damper Connect/Disconnect Button	\$49	104076-000
SV-BUTTON-IDENT Transponder Ident Button	\$49	104075-000
SkyView Dimmer Module	\$90	102801-000
Panel Module Faceplate Blank	\$28	102542-000
Panel Cover Plate For SV-HDX1100	\$13	102910-000
USB Port - Panel-Mount - 12" length	\$49	103066-012

USB Port - Panel-Mount - 24" length	\$49	103066-024
USB Port - Panel-Mount - 36" length	\$49	103066-036

# Dynon Intercom

### Note: The SV-INTERCOM-2S is compatible with both the SkyView and the D10/D100 Series systems.

SV-INTERCOM-2S 2-Place Stereo Intercom (Includes Horizontal and Vertical faceplates and headset jack kits)	\$295	101677-000
SV-HARNESS-INT Harness for SV-INTERCOM-2S	\$240	102791-000
Stereo Headset Panel Jacks - Pilot & Copilot Jack set (This kit is included in the SV-INTERCOM-2S)	\$35	101854-000

# FastTrack Time-Saving Products

### FastTrack Essentials

FastTrack Essentials VFR Version	\$1995	104357-000
FastTrack Essentials IFR Version	\$2565	104359-000

### FastTrack Module Mounting Systems and Products

Universal Module Mounting Tray Kit for SV-HDX1100	\$95	104071-000
COM/XPNDR Module Mounting Kit	\$95	104031-000
Module Mounting Tray for SV-HDX800	\$75	104067-000
EMS to ADAHRS/ARINC Module Stacking Kit	\$39	103917-000
ADAHRS to ADAHRS/ARINC Module Stacking Kit	\$39	102532-000

### FastTrack Installation Products

SkyView Panel-mount Screws - Qty 30	\$9	102487-000
SkyView HDX Panel-mount Screws - Qty 30	\$9	103419-000
Pitot/Static/AOA Pneumatic Installation Kit	\$150	102628-000
SkyView Network Bypass Adapter (Male 9-pin to Male 9-pin)	\$17	101267-000
Transponder Antenna – Rod Type (1090 MHz)	\$39	102608-000
ADS-B (UAT) Receiver Antenna – Rod Type (978 MHz)	\$39	102607-000
Pitot Mount Bracket	\$98	102813-000

### FastTrack System Cables, Harnesses, and Connectors

SV-NET-HUB Network Hub - SkyView Network Hub with 5 Ports	\$60	101734-000
SV-NET-6inCC Network Cable – Both ends with connectors, 6" long Aircraft Grade Tefzel® Wiring	\$45	101270-106
SV-NET-8inCC Network Cable – Both ends with connectors, 8" long Aircraft Grade Tefzel® Wiring	\$45	101270-108
SV-NET-10inCC Network Cable – Both ends with connectors, 10" long Aircraft Grade Tefzel® Wiring	\$45	101270-110
SV-NET-1CC Network Cable – Both ends with connectors, 1' long Aircraft Grade Tefzel® Wiring	\$50	101270-001
SV-NET-1.5CC Network Cable – Both ends with connectors, 1.5' long Aircraft Grade Tefzel® Wiring	\$60	101270-021
SV-NET-2CC Network Cable – Both ends with connectors, 2' long Aircraft Grade Tefzel® Wiring	\$65	101270-002
SV-NET-3CC Network Cable – Both ends with connectors, 3' long Aircraft Grade Tefzel® Wiring	\$65	101270-003
SV-NET-6CC Network Cable – Both ends with connectors, 6' long Aircraft Grade Tefzel® Wiring,	\$75	101270-006
SV-NET-10CP Network Cable – 1end with connector, 1 end with pins only, 10' long Aircraft Grade Tefzel® Wiring	\$80	101269-010
SV-NET-15CP Network Cable – 1end with connector, 1 end with pins only, 15' long Aircraft Grade Tefzel® Wiring	\$85	101269-015
SV-NET-20CP Network Cable – 1end with connector, 1 end with pins only, 20' long Aircraft Grade Tefzel® Wiring	\$95	101269-020
SV-NET-25CP Network Cable – 1end with connector, 1 end with pins only, 25' long Aircraft Grade Tefzel® Wiring	\$105	101269-025
SV-NET-30CP Network Cable – 1end with connector, 1 end with pins only, 30' long Aircraft Grade Tefzel® Wiring	\$120	101269-030
SV-NET-SPL Network Splitter Aircraft Grade Tefzel® Wiring, 1' long	\$110	101271-001
SV-NET-SERVO Network Autopilot Servo Cable Kit— Includes 20' of Aircraft Grade Tefzel® Wiring for networks, quick disconnect, power, and ground.	\$80	101342-020
SV-ETHERNET-3CC Ethernet Cable - Low Smoke Zero Halogen, Aircraft Grade, 3' long	\$29	101582-000
SV-HARNESS-XPNDR Harness for SV-XPNDR-261/262 Transponder		102558-000
SV-HARNESS-ADSB Harness for SV-ADSB-470/472 ADS-B Receiver	\$65	102629-000
Connector Kit: Male, D-sub 9-pin	\$12	100830-000
Connector Kit: Male, D-sub 25-pin	\$19	100830-002
Connector Kit: Female, D-sub 9-pin	\$12	100831-000
Connector Kit: Female, D-sub 15-pin	\$15	100831-001
Connector Kit: Female, D-sub 25-pin	\$19	100831-002

For SkyView pitot and autopilot components (servos, mounting kits and trays) refer to the Pitot and Autopilot Components sections.

## Pocket Panel Products and Prices

# Note: D3 units include all of the items listed under the Accessories / Replacement Components heading below

#### **Pocket Panel Accessories / Replacement Components**

External GPS Receiver for D1/D2/D3	\$60	101389-000
RAM Suction Cup Mount for D1 (does not include D1 cradle)	\$60	101757-000
Panel "Pinch" Mount bracket for D1/D2/D3	\$40	101761-000
AC Wall Power Adapter for D1 and D2 (100-240V AC)	\$40	101387-000

### Accessories for D10A/D100 under EAA STC

The EFIS-D10A was certified by EAA for use as a primary or secondary attitude indicator. Although the EFIS-D10A is discontinued for this purpose, some replacement accessories remain available.

EF	EFIS-D10A EAA STC Accessories			
	Internal Li-Ion Backup Battery	\$140	100096-000	
	EDC-D10A Remote Compass	\$120	100323-000	
	OAT Probe, connects through EDC-D10A or directly to EMS/FlightDEK, 10' wire	\$75	100433-001	
	AOA/Pitot Probe, unheated	\$229	100141-000	
	D100 Series Mounting Tray	\$40	100422-000	
	D10 Series Flush Mount Bracket	\$20	100024-000	

# D10/D100 Series EFIS/FlightDEK Accessories

Internal Li-Ion Backup Battery	\$140	100096-000
EDC-D10A Remote Compass	\$120	100323-000
USB to Serial Converter	\$24	100512-000
D100 Series Mounting Tray	\$40	100422-000
D10 Series Flush Mount Bracket	\$20	100024-000

# EFIS-D10A, EFIS-100, FlightDEK-D180 Accessories

OAT Probe, connects only directly to EMS/FlightDEK, 10' wire	\$42	100433-000
OAT Probe, connects through EDC-D10A or directly to EMS/FlightDEK, 10' wire	\$75	100433-001

### **EMS-D10 Engine Monitor Accessories**

D10 Series Flush Mount Bracket \$20 100024-000
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### Engine Probe Packages, Sensors and Accessories

**Measuring Fuel Injected Fuel Pressure in D10/D100 systems:** All EMSKITs are fully compatible with SkyView systems. However, the 150 PSI Kavlico pressure sensor that is used to measure fuel injected fuel pressure in the EMSKIT-L4F and EMSKIT-L6F kits is not compatible with D10/D100 products. For Lycoming, Continental, or any other engines where fuel injected pressure pressure measurement is desired, please use the following sensor instead: 103713-000 - Kavlico v2 1/8-27 NPT, 50 PSI.

### **EMS Options**

Fuel Flow Transducer, ¼" Female NPT, EI FT-60, .6-70+ GPH	\$249	100403-003
USB to Serial Converter	\$24	100512-000
Capacitance to Voltage Converter for Vans Capacitive Plates	\$55	100654-000
OAT Probe, connects only directly to EMS/FlightDEK, 10' wire	\$42	100433-000
D10 Series Flush Mount Bracket – for EFIS-D10A and EMS-D10	\$20	100024-000

# EMS Engine Packages – for use with SkyView, SkyView SE, EMS-D10, EMS-D100 and FlightDEK-D180 (includes sensors & harnesses as described in Table 1.)

EMSKIT-L4C (Kavlico v2), Lycoming/Continental/Superior, 4 Cylinder, Carbureted	\$1062	103916-000
EMSKIT-L6C (Kavlico v2), Lycoming/Continental/Superior, 6 Cylinder, Carbureted	\$1,245	103916-001
EMSKIT-RTX (Kavlico v2), Rotax 912	\$556	103916-002
EMSKIT-L4F (Kavlico v2), Lycoming/Continental/Superior, 4 Cylinder, Injected	\$1018	103916-003
EMSKIT-L6F (Kavlico v2), Lycoming/Continental/Superior, 6 Cylinder, Injected	\$1,205	103916-004
EMSKIT-J22 (Kavlico v2, 12mm CHT), Jabiru 2200	\$855	103916-005
EMSKIT-J33 (Kavlico v2, 12mm CHT), Jabiru 3300	\$1009	103916-006
EMSKIT-RTXiS (Kavlico v2), Rotax 912 iS, requires SV-EMS-221	\$310	103916-007

#### **Individual EMS Sensors**

EGT, Hose Clamp, 0.75-1.25", Rotax	\$39	100405-001
EGT, Hose Clamp, 1.00-1.75", Jabiru	\$39	100405-002
EGT, Hose Clamp, 1.00-2.25", Lycoming/Continental/Superior	\$39	100405-000
CHT, Bayonet 3/8-24 UNF, Lycoming/Continental/Superior	\$42	100404-000
CHT, Ring Terminal, 12mm, Jabiru	\$28	100578-000
CHT, Ring Terminal, #8 (4.3MM), Jabiru	\$28	102556-000

MAP, 1/8" hose, 0-60 In Hg	\$85	100434-000
Oil/Coolant Temp, 5/8-18 UNF, Lycoming/Continental/Superior	\$32	100409-001
Oil/Coolant Temp, 1/8-27 NPT, Continental 0-200	\$32	100409-000
Fuel/Fluid Pressure - Kavlico v2, 1/8-27 NPT, 15 PSI	\$139	103755-000
Fluid Pressure Sender - Kavlico v2, 1/8-27 NPT, 50 PSI	\$139	103713-000
Oil/Fuel/Coolant/Fluid Pressure Sender - Kavlico v2, 1/8-27 NPT, 150 PSI	\$139	103757-000
Fuel Flow Transducer, 1/4" Female NPT, EI FT-60, .6-70+ GPH	\$249	100403-003
Carburetor Air Temperature, 1/4-28 UNF,-50° to 150°F	\$44	100468-000
Amps Shunt, 0 – 60 Amps	\$24	100412-000

## **Individual EMS Harnesses/Wiring**

Engine Sensor Main Wire Harness, 6' long, for EMS/FlightDEK	\$145	100399-000
EGT/CHT Wire Harness, 4 Cylinder, 6' long, for EMS/FlightDEK	\$130	100399-001
EGT/CHT Wire Harness, 6 Cylinder, 6'long, for EMS/FlightDEK	\$145	100399-002
EGT Wire Harness, Rotax, 2 Cylinder, 6' long, for EMS/FlightDEK	\$85	100399-004

	Engine Sensors, Harnesses & Packages Table 1	Unit Price \$	EMSKIT-L4C	EMSKIT-L4F	EMSKIT - L6C	EMSKIT - L6F	E M S K I T - J 2 2	E M S K I T - J 3 3	EMSKIT-RTX	EMSKIT - RTX i S
Engine Ser	nsors	•							•	•
100405-001	EGT, 0.75-1.25" Hose Clamp	\$39							2	
100405-002	EGT, 1.00-1.75" Hose Clamp	\$39					4	6		
100405-000	EGT, 1.00-2.25" Hose Clamp	\$39	4	4	6	6				
100404-000	CHT, Adjustable Bayonet, 3/8-24 UNF	\$42	4	4	6	6				
100578-000	CHT, Ring Terminal, 12mm, Jabiru	\$28					4	6		
102556-000	CHT, Ring Terminal, #8 (4.3mm)	\$28								
100434-000	Manifold Pressure, 0 – 60" Hg, 1/8" hose	\$85	1	1	1	1				
103757-000	Oil/Fuel/Coolant/Fluid Pressure - Kavlico v2, 1/8-27, 150 PSI	\$139	1	2*	1	2*				1
100409-001	Oil Temperature, 5/8-18 UNF, 100-240°F	\$32	1	1	1	1				
103755-000	Fuel/Fluid Pressure - Kavlico v2, 1/8-27 NPT, 15 PSI	\$139	1		1		1	1	1	
103713-000	Fluid Pressure Sender - Kavlico v2, 1/8-27 NPT, 50 PSI	\$139								
100468-000	Carburetor Air Temperature, 1/4-28 UNF, -50° to 150°F	\$44	1		1					
100412-000	Amps Shunt, 0-60 Amps	\$24	1	1	1	1	1	1	1	1
100403-003	Fuel Flow Transducer, 1/4" Female NPT, EI FT-60, .6-70+ GPH	\$249								
Engine Wir	ing Harnesses & Extension Wiring			•	•				•	•
100399-000	Engine Sensor Main Wire Harness, 6' long	\$145	1	1	1	1	1	1	1	1

100399-001	EGT/CHT, 4 cylinder, 6' long harness	\$130	1	1			1			
100399-002	EGT/CHT, 6 cylinder, 6' long harness	\$145			1	1		1		
100399-004	EGT, 2 cylinder, 6' long	\$85							1	
100436-000	CHT Extension Wire, Type J Thermocouple	\$.12/In								
100436-001	EGT Extension Wire, Type K Thermocouple	\$.15/In								
	See Notes:		D	C,D			В	В	Α	Е

<sup>\* 150</sup> PSI Kavlico sensor is not compatible with D10/D100 series systems. To measure fuel injected fuel pressure with these systems, use the 103713-000 50 PSI version instead. That this means the customers should order EMSKIT components individually for these applications.

#### Notes:

- A. Uses CHTs, Oil Temperature, Oil Pressure, and RPM sensors supplied with engine
- B. Uses Oil Pressure and Oil Temperature sensors supplied with engine
- C. UL Power engines are compatible with the EMSKIT-L4F package
- D. Some Continental O-200 engines are not ported for the bayonet CHT probes sold by Dynon. Spark plug ring terminal CHTs probes can be used alternatively. Note that Dynon does not carry a ring terminal CHT probe sized for the O-200.
- E. The Rotax 912 iS engine supplies the following data: Oil Temperature, Oil Pressure, Coolant Temperature, Lane A Bus Voltage, Lane B Bus Voltage, EGT 1-4, Manifold Pressure, Fuel Flow, Engine Time.

### **AOA/Pitot Probes**

Note: All of the following Pitot Probes are compatible with both SkyView and D10/D100 Series systems.

Mounting brackets for the standard L-shaped Pitot Probe can be obtained through most aviation parts suppliers.

AOA/Pitot Probe, unheated SE	\$229	100141-000
AOA/Pitot Probe, heated, 12V only, with controller SE	\$450	100667-000
AOA/Pitot Boom Probe, unheated	\$229	100532-000
Pitot Mount Bracket SE	\$98	102813-000

### **Autopilot Components**

The Dynon	Avionics	Autonilot r	equires or	ne of the fo	nllowing	FFIS	display	devices

EFIS-D10A

EFIS-D100

FlightDEK-D180

SkyView SV-D600, SV-D700, SV-D900, SV-D1000, SV-D1000T, SV-HDX800, or SV-HDX1100

Note: All of the following autopilot components are compatible with both the SkyView and the D10/D100 Series systems.

Airplane	Type	(REQUIRED)	:	

Servo + Mounting Kit Packages SE

RV-6 Roll Servo + Mounting Kit Package	\$889	101098-001
(Includes Servo Mounting Kit - RV-6 Roll (fuselage): 101020-001, SV32L (long output arm), Retail: 100854-001)		
RV-7/8 Roll Servo + Mounting Kit Package	\$889	101098-002
(Includes Servo Mounting Kit - RV-7/8/10 Roll (right wing):		
101020-003, SV32 (standard output arm), Retail: 100854-000)		
RV-9 Roll Servo + Mounting Kit Package	\$889	101098-003
(Includes Servo Mounting Kit - RV-9 Roll (right wing): 101020-004,		
SV32 (standard output arm), Retail: 100854-000)		
RV-6/7/9 Pitch Servo + Mounting Kit Package	\$889	101098-004
(Includes Servo Mounting Kit - RV-6/7/9 Pitch: 101020-005, SV32		
(standard output arm), Retail: 100854-000)  RV-4/8 Pitch Servo + Mounting Kit Package <sup>1</sup>	<b>#000</b>	101098-005
(Includes Servo Mounting Kit - RV-4/8 Pitch: 101020-002, SV32	\$889	101096-005
(standard output arm), Retail: 100854-000)		
RV-10 Roll Servo + Mounting Kit Package	\$889	101098-006
(Includes Servo Mounting Kit - RV-7/8/10 Roll (right wing):	,,,,,	
101020-003, SV42 (standard output arm), Retail: 101058-000)		
RV-10 Pitch Servo (torque-enhancing linear actuator) + Mounting Kit	\$889	101098-008
Package		
(Includes Servo Mounting Kit - RV-10 Pitch: 101020-007, SV42T		
(linear actuator), Retail: 101058-003)		
Sonex / Waiex Pitch Servo + Mounting Kit Package	\$889	101098-009
(Includes Servo Mounting Kit - Sonex / Waiex Pitch:		
101863-000, SV32 (standard output arm), Retail: 100854-000)	0000	404000 040
Sonex / Waiex Roll Servo + Mounting Kit Package	\$889	101098-010
(Includes Servo Mounting Kit - Sonex / Waiex Roll:		
101864-000, SV42EL (extra long output arm), Retail: 101058-004)		

<sup>&</sup>lt;sup>1</sup> This kit fits both the newer and older RV-8 Fuselage Kits.

## Servos SE

SV32 (standard output arm), Retail	\$800	100854-000
(Includes SV32: 100754-000, Limiting Bracket Kit: 101025-000)		
SV32L (long output arm), Retail	\$800	100854-001
(Includes SV32L, 100754-001; Limiting Bracket Kit: 101025-000)		
SV32C (capstan), Retail	\$800	100854-002
(Incl. SV32C, 100754-002; Capstan Accessory Kit, 101116-000)		
SV42 (standard output arm), Retail	\$800	101058-000
(Includes SV42, 101008-000; Limiting Bracket Kit, 101025-000)		
SV42L Servo, (long output arm), Retail	\$800	101058-001
(Includes SV42L: 101008-001, Limiting Bracket Kit: 101025-000)		
SV42C (capstan), Retail	\$800	101058-002
(Incl. SV42C, 101008-002; Capstan Accessory Kit, 101116-000)		
SV52 (standard output arm), Retail	\$800	101059-000
(Includes SV52, 101021-000; Limiting Bracket Kit, 101025-000)		
SV52C (capstan), Retail	\$800	101059-002
(Incl. SV52C, 101021-002; Capstan Accessory Kit, 101116-000)		
SV52L (long output arm), Retail	\$800	101059-001
(Incl. SV52L, 101021-002; Limiting Bracket Kit, 101025-000)		

Servo Mounting Kit - Generic (push-pull)	\$30	101020-000
Servo Mounting Kit - RV-6 Roll (fuselage)	\$89	101020-001
Servo Mounting Kit - RV-7/8/10 Roll (right wing)	\$89	101020-003
Servo Mounting Kit - RV-9 Roll (right wing)	\$89	101020-004
Servo Mounting Kit - RV-4/8 Pitch	\$89	101020-002
Servo Mounting Kit - RV-6/7/9 Pitch	\$89	101020-005
Servo Mounting Kit - RV-10 Pitch (for use w/SV42T)	\$89	101020-007
Tiller Arm/Bow Kit for RV-10 / RV-14 Yaw Damper Installation	\$150	103015-000
Servo Mounting Kit - Sonex / Waiex Pitch	\$89	101863-000
Servo Mounting Kit - Sonex / Waiex Roll	\$89	101864-000

<sup>&</sup>lt;sup>1</sup> This kit fits both the newer and older RV-8 Fuselage Kits.

## Trim Motor Adapter SE