

# GRT EFIS SYSTEMS

## GRAND RAPIDS HORIZON SPORT 10.1 EFIS SYSTEM



The Sport 10.1 puts a large, primary flight display with moving maps in your panel. Software options let you purchase what you need now, and expand later, without removing the EFIS from your panel. Built on more than two decades of avionics experience, and using the industry's only AHRS that can operate unaided, the Sport 10.1 provides primary flight functions, moving maps and engine pages which can be driven by any GRT EIS engine monitor. The Sport 10.1 even includes synthetic approach to any runway, and depiction of obstacles on the PFD screen.

### Features:

#### • Synthetic Vision

The optional synthetic vision, with its 10 mile range, provides intuitive terrain awareness. This awareness is essential when flying in mountainous areas, and also creates a natural sense of height above the ground, location, and direction of flight. 3-D way-points, obstacles and runways, make navigation simple and help protect you from the threat of towers.

#### • Split-Screens

Ten split-screen combinations are included, combining two or three views into one screen of the PFD, map and HSI, and engine monitoring. Information is clearly presented, making it practical to fly with a single screen and rarely touch a button. For dual screen installations the split-screens provide a single-screen reversionary mode suitable for IFR flight.

#### • VFR Friendly

Often the days we fly do not require constant monitoring of the airplanes attitude. Airspeed, altimeter, and a map are all we need, with the PFD attitude to back us up if conditions change. We love those days and so does the Sport 10.1. That is why we allow you to show airspeed and altimeter tapes on your moving map. The Sport 10.1 rounds everything out with wind and destination information.

The green arc shows where the airplane will be when it reaches a pre-selected altitude (ground level in this case). Extended centerlines make it easy to line up on the correct runway, and is essential at night.

#### • Obstacle Alerting

The greatest value of obstacle alerting occurs when you find yourself forced to fly under an overcast in less than desirable visibility. At times like this, it must be effortless to understand such threats. That is why we show your threats on the PFD and not just the map. We show you the threat in the exact place you will be looking-the PFD. They appear in the same location out the window as they appear on the screen. Simple, and potentially life saving.

### Specifications:

• Internal AHRS and Air-Data simplify installation  
• Safe-fly ADS-B 2020 compliant GPS/uAvionix echoESX may be mounted directly to the back of the Sport 10.1, making installation even simpler.

#### • Moving Map is included!

#### • GRT Safe-Touch

#### • Autopilot Ready

#### • Heads-Up Capable

### Benefits:

- Situational Awareness without Synthetic Vision
- Display ADS-B Traffic and Weather
- Angle-of-Attack (AOA) Sensing/Stall Warning
- Basic or Comprehensive Engine Monitoring
- Connect and EIS for Comprehensive Engine Monitoring
- Engine Data with a Bonus

Model	Part No.	Description	Price
10.1-SPORT	11-17876	GRT Sport 10.1 EFIS	---
10.1-OPT-SYN	11-17877	GRT Sport 10.1 EFIS Synthetic Vision Option	---
10.1-OPT-VAP	11-17878	GRT Sport 10.1 EFIS Vertical Autopilot Option	---

## GRAND RAPIDS HORIZON 10.1 EFIS SYSTEM



**Note:** Grand Rapids (GRT) avionics units are intended for experimental aircraft use only.

One look at the Horizon 10.1 and you sense the situational awareness provided by its large screen and wide field of view that reaches out 30 miles. You can select either a "six pack" representation of the primary flight instruments, with adjustable shading behind the gauges, or the standard PFD. On the standard PFD you will find pilot-selectable insets and split-screen views providing maps, traffic, engine monitoring, weather, traffic alerts, custom checklists, and even geo-referenced sectionals or en-route charts, keeping the PFD view unchanged so that your instrument scan remains unchanged.

Auto-pilot ready, ADS-B and remote avionic control capable. 10.1 Inch, High resolution (1280x800) IPS display. Internal AHRS/Air data included.

**Features:** • Primary Flight Display - On the PFD you will find pilot-selectable insets and split-screen views providing maps, traffic, engine monitoring, weather, traffic alerts, custom checklists, and even geo-referenced sectionals or en-route charts, keeping the PFD view unchanged so that your instrument scan remains unchanged.

• Split-Screen View for Single Display Systems - Insets are also complimented by a split-screen view. This a popular feature with single screen installations, providing generous size primary flight data, moving map and engine data, intelligently combined on one screen; practically eliminating the need to change your screen selection.

• Dedicated Remote Avionics Controls - The Horizon 10.1 expands your options by letting you remotely control as much or as little of your radio rack as you desire. The dedicated controls and simple operation makes this immensely practical, leaving your valuable panel space available for other uses. Remote up to 2 Com radios, 2 Nav radios, transponder, intercom, and audio panel. Panel mount radios can also be conveniently tuned. The Horizon 10.1 works with a variety of leading avionics manufacturers, so you will never be locked into one brand for your interfacing remote avionics. Remotes, such as the Trig TT22 transponder, can offer a cost savings by negating the need for a dedicated control head.

As with the HxR, the Horizon 10.1 allows you to use your Android device for extensive touch-screen menu tuning choices for you or your co-pilot.

• Sectionals, Airport Diagrams, En-route Charts, Approach Plates, and more - Sectionals, airport diagrams, en-route charts and approach plates can be displayed, with the airplane position geo-referenced on them. Sectionals and en-route charts are displayed with Horizon 10.1 generated airspace, obstacles, flight plans and traffic overlaid, so that alerting is not lost. Data for these functions is provided by Seattle Avionics. The Horizon 10.1 also includes a PDF viewer which allows you to display free approach plates, airport diagrams and other data provided by the FAA. (Geo-referencing is not provided).

### Specifications:

• Internal AHRS and Air-Data simplifies installation and is included in the price! • Auto-pilot ready, ADS-B and remote avionic control capable. • 10.1 Inch, High resolution (1280x800) IPS display. • Our Safe-fly ADS-B 2020 compliant GPS/uAvionix echoESX may be mounted directly to the back of the Horizon 10.1, making installation even simpler. • Simple Operation • Turbulence Optimized • Real Redundancy • Autopilot Ready • Heads-Up Display • PFD Video with Overlay • Audio Alerts • Angle of Attack Sensing / Stall Warning • Control Radios & Flight Plans with Your Android Phone / Tablet • The Source of the Attitude

Model	Part No.	Description	Price
10.1-HORIZON	11-17871	GRT Horizon 10.1 EFIS	---
10.1-OPT-TOUCH	11-17872	GRT 10.1 EFIS Touch Screen Option 10.1-OPT-TOUCH	---
10.1-OPT-AOA	11-17873	GRT 10.1 EFIS AOA Option 10.1-OPT-AOA	---
10.1-OPT-DUAL-AHRS	11-17874	GRT 10.1 EFIS Dual Ahrs Option	---
10.1-OPT-IFR	11-17875	GRT 10.1 EFIS Internal IFR Approach Option	---