Ride the Sky on Rails
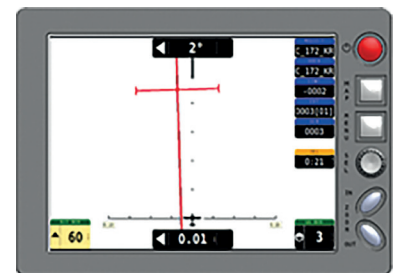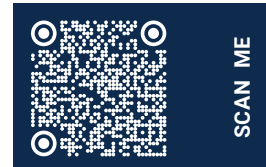# IGI CCNS-5
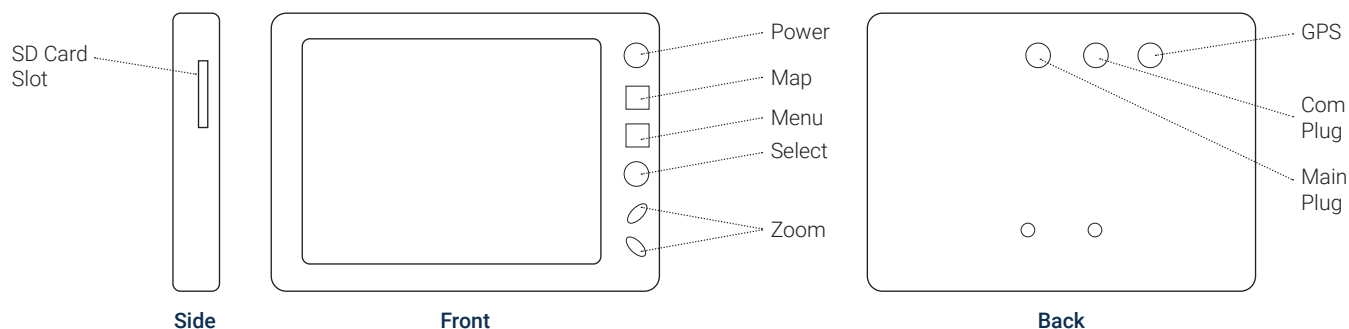# Flight Management System (FMS)

SCAN ME

CCNS: COMPUTER CONTROLLED NAVIGATION SYSTEM

Paired with IGIplan's pin-pointed mission planning, the CCNS-5 ensures optimal sensor activation, leveraging dedicated hardware for superior results. Pilot- and Operator-CCNS-5 offers flexible display options: the pilot can follow line guidance through the map-view and specialized indicators, while the operator manages the sequence of planned lines via an overview map. For streamlined operations, pilot-only missions are also fully supported.

With over 500 systems deployed globally, the CCNS-5 stands as a proven, robust, and reliable flight management system for all airborne missions, supported by certified hardware designed for demanding environments.

>> **Precision navigation** powered by **PPS synchronisation**
>> **Sunlight readable** high-resolution display
>> Supports **pilot-only missions**, simplifying operations with minimal crew
>> Accurate **terrain following** and **corridor guidance**
>> **Standalone navigation mode**, no IMU required
>> **Ruggedized, aviation-grade hardware**
>> **Turn prediciton** enhanced with wind speed adjustments for seamless navigation
>> Fully compatible with **Riegl**, **Phase One** and **Vexcel** systems
>> Integrates smoothly with **AEROcontrol** and **Applanix** positioning systems

IGI CCNS-5 | Technical View

IGI CCNS-5 Pilot | Operator Screen

Display	6.5 inch | 17 cm diagonal Anti reflection coating
Supported Sensors	Cameras: IGI, Phase One, Vexcel, Generic (TTL) Hyperspectral: Specim, HySpex LiDAR: IGI, Riegl, Any Online-/Offline-Sensor
Trajectory source	IGI AEROcontrol Applanix PosAV and AP+
GNSS receiver	50 channel GPS L1 C/A Code & SBAS, supporting WAAS, EGNOS, MSAS
Communication	Fast Ethernet LAN | RS 232 | 3x TTL ports
Data Storage	SD-Card
Operating Temperature	0 ... +50 °C | 32 ... 122 °F
Storage Temperature	-10 ... +80 °C | 14 ... 176 °F
Dimension	125 x 175 x 35 mm | 4.92 x 6.89 x 1.38 in - h x w x d
Mounting Options	RAM ball and socket components
Weight	0.8 kg | 1.7 lb
Power	14 w @ 20 ... 30 VDC