



The IronView CW400 is Hemisphere GNSS' next-generation professional grade GNSS data collector. The rugged handheld includes a high-sensitivity GNSS antenna and performs well in challenging environments, such as forests and urban areas.

The integrated 5-megapixel digital camera captures accurate pictures of any situation in the field. The CW400 is compatible with high-capacity MicroSD cards, ensuring there is enough storage space for large data and faster background maps. Integrated Bluetooth and wireless LAN capabilities enable the CW400 to connect to networks and other devices freely.

The CW400 is the perfect fit for field work. The rugged hand-held is designed with a 3.7" industrial high contrast, sunlight-readable touchscreen display. The CW400 meets IP65 standard, making it both dust and water resistant. Two batteries provide up to 14 hours of use allowing GNSS data collection for a full working day without the need to recharge.

Key Features

- IP65 Certified
- Sunlight readable display
- 5-megapixel built-in camera
- Full communication set
- Built-in GNSS receiver

Physical Specifications

Weight:	483 g (including battery)
Size:	192 x 93 x 42 mm
Operating Temperature:	-30°C to 60°C (-22°F to 140°F)
Storage Temperature:	-40°C to 80°C (-40°F to 176°F)
Protection Class:	IP65 dust and water resistant
Humidity:	5% - 95 %, non-condensing
Vibration:	ASAE EP455 Section 5.15.1 Random, MIL-STD-810G, method 514.6E-I
Shock:	Withstands 1.2 m drop onto hard surface

System Platform

Operating System:	Windows Mobile 6.5
Processor:	TI Sitara™ AM335x 1 GHz
Memory:	512 M
Internal Storage:	8 GB
External Storage:	MicroSD card up to 32 GB
Camera:	Internal, autofocus, 5 MP

Interfaces

Display:	3.7 inch, Blanview TFT, 480 × 640 VGA
Keypad:	Alphanumeric keypad Dedicated "START" and "CAMERA" key Programmable short-cut keys (2 on keypad and 1 on left side)

Connectors:	Serial port (DB9) USB OTG 2.0 (Mini AB type) DC in
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Communication:	Bluetooth 2.1 EDR WLAN 802.11 a/b/n WCDMA 3.75G Five Bands UMTS/HSPA+ (WCDMA/FDD) (850/800, 900, 1900 and 2100 MHz), Quad-Band GSM (850/900/1800/1900 MHz)
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Other:	Micro SIM Micro SDHC
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GNSS

Chipset:	uBlox M8T (with raw data output)
Receiver:	72 channels GPS/QZSS L1 C/A GLONASS L10F BeiDou B1 SBAS L1 C/A: WAAS, EGNOS, MSAS, GAGAN Galileo E1B/C

Update Rate:	1 Hz
Position Accuracy:	2.5 m CEP (Autonomous) 2.0 m CEP (SBAS)
Cold Start Time:	30 seconds
Hot Start Time:	1 second
Update Rate:	1 Hz

Power Supply

Internal Battery:	Removable Li-Ion battery 3400 mAh 7.2 24.48 Wh
AC Power:	Input: 100V-240V 50/60 Hz
Output:	15V 2A
Operating Time:	Up to 10 hours



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