

# IronView CW400 Data Collector

## Rugged Handheld Device

### key features

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

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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 allows you to capture 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.



# IronView CW400 Data Collector

## Physical Specifications

Weight: 483g (including battery)  
Size: 192 x 93 x 42mm  
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 1GHz  
Memory: 512M  
Internal Storage: 8GB  
External Storage: Micro SD card up to 32GB  
Camera: Internal, autofocus, 5 MP

## Interfaces

Display: 3.7inch, Blaview  
TFT, 480×640VGA  
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  
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)  
Other: Micro SIM  
Micro SDHC

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

## Power supply

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

Authorized Distributor:



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