

# OBSERVER™ 4116

## 16-CHANNEL DIGITAL VIDEO RECORDER (DVR)



The Observer™ 4116 provides comprehensive features in a compact package designed to withstand the harsh vibrations and shock of the mobile environment. Using H.264 compression, up to 16 camera channels, complete with metadata, provides a complete mobile surveillance solution. Dual hard drives store up to 4 terabytes of data while a removable SD card duplicates, or mirrors, recorded events.

SPECIFICATIONS	
Operating System	Embedded Linux system
A/V Inputs	Audio: 16 channels (SV threaded connector) Video: 16 channels (SV threaded connector)
A/V Outputs	Audio: 2 channels (BNC connector) Video: 2 channels (BNC connector)
Video System	NTSC / PAL
On-Screen Display	GPS information, alarm, temperature, acceleration, voltage, device information, firmware version, MCU version, network status
Audio/Video Compression	H.264 / ADPCM
Image Resolution	NTSC: D1 (704 x 480), HD1 (704 x 240), CIF (352 x 240) PAL: D1 (704 x 576), HD1 (704 x 288), CIF (352 x 288)
Recording Mode	General / schedule / alarm (sensor trigger, speed, acceleration, video loss, temperature)
Network	2 x RJ45 ports, HSPA/EVDO, 802.11 b/g/n, GPS
Storage	2 x 2.5" SATA 2 TB HDD (4 TB max) or 2 x 2.5" SATA 1 TB SSD (2 TB max) 1 x Class 10 SD card (128 GB max, mirror recording)
Interfaces	2 x RS232 2 x RS485 2 x USB 2.0
Sensors	8 inputs, 4 outputs
Power Input	8~36V
Power Output	12V at 2A, 5V at 1A
Power Consumption	< 15W (without cameras, accessories)
Operating Temperature	-25°C to approx. 55°C (use built-in heater for temperatures under 0°C)
Dimensions (w x h x d)	7.5 in x 3.1 in x 9.9 in (190 mm x 78 mm x 251 mm)
Weight	8.8 lbs (4 kg)

### Ample and Secure Storage

Dual hard drives store up to 4 TB of data in a secure format while a removable SD card provides easy access to the latest critical events. Files are recorded in a patented file system for data security and anti-vibration technology ensures reliable recordings in any environment.

### Foresight Software

The Observer 4116 features built-in Wi-Fi, ethernet and a web server for easy browser-based access over wired and wireless networks. As well, location data is available from the built-in GPS. Recorded video and metadata on removable hard drive and SD card can be searched, sorted and reviewed by the feature-rich Foresight software. Video can be exported in either AVI format or a unique, self-executing miniplayer format providing multiple options for evidence review.

### Accessories

Uninterruptable Power Supply (UPS)
Touch screen control monitor
External impact sensor and thermometer
Fireproof backup data storage box
LED display panel with panic button
POE smart switch
I/O sensor input HUB

### Warranty

3 years