DIGITAL VIDEO RECORDER ACCESSORIES

Timespace XP200

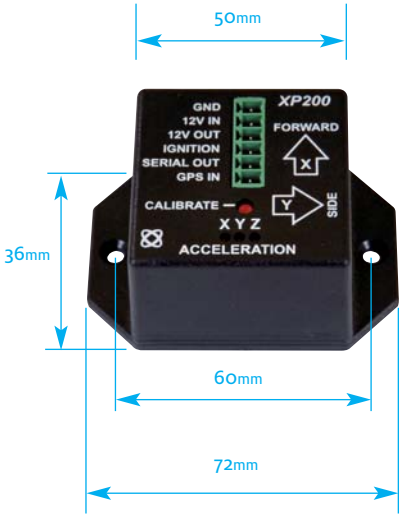
TIMESPACE
MOBILE
PORTABLE
AND COVERT
SURVEILLANCE

Do you need integrated acceleration data?

The Timespace XP200 Accelerometer is designed to integrate seamlessly with the X200 Digital Video Recorder. Acceleration in x, y and z axes is stored and displayed with each recorded image and GPS position. High G events can be quickly identified and reviewed. All Timespace products are designed for easy integration and simple, reliable operation. In addition, the XP200 can be used to power the X200 DVR on/off when movement is sensed.

Key advantages of the Timespace XP200 Accelerometer:

- Simple integration with the X200 DVR
- Configurable triggers – can be set up to identify high acceleration, erratic braking, shock and impact, swerving
- Acceleration can be viewed graphically with PCLink 200 to quickly identify issues
- Integrates with Timespace SafetyLink driver training software.
- Events can be automatically transferred by LanLink
- Simple 3 axis calibration.



Timespace XP200 Accelerometer

General Features

Simple integration with X200 DVR
Configurable triggers – can be setup to identify high acceleration, erratic braking, shock and impact, swerving
Simple 3 axis calibration
Integrates with Timespace SafetyLink software
Events can be automatically transferred by Timespace LanLink software
Acceleration can be viewed graphically with Timespace PCLink 200 software to identify issues

Connections

Pin 1 GND	Connect to ground
Pin 2 12v in	12v at 50mA relay on, 12v at 10mA relay off, 6v to 18v max input
Pin 3 12v Out	Relay output. Maximum switching current 8A (12v out connected to 12v in)
Pin 4 Ignition in	Voltage above 4v turns relay 12v Out, on. Voltage below 4v initiates duration settable timer after which 12v Out is off (open circuit)
Pin 5 Serial Out	Connect to X200 RS232 input pin 9 (Serial Rx) 19,200 baud
Pin 6 GPS in	Wire GPS serial output to this pin. GPS data merged with Acceleration data and output on Serial Out. GPS needs to output at 19,200 baud.
Connector Plug	3.81 mm 6-way block. Farnell Part No. 370-5031 (supplied with XP200)

Physical Characteristics

Enclosure	Black moulded ABS
Dimensions (mm)	72 x 50 x 36 (L x D x H)
IP rating	IP40
Operating temperature range	5 – 40°C
Humidity (r.h., non condensing)	80%
Mounting	2 x M4 counter sunk screws, 60 mm pitch (not supplied)
Power supply	12v DC
Weight	60g

Modes of Operation

Minimal Accelerometer

Wire 12v in, GND and serial out. Acceleration data sent to X200 via serial port

Accelerometer with Power Switching on vibration

Wire 12v in, GND, serial out and connect 12v out to X200 and cameras. On any small force (e.g. vehicle motion) unit turns on relay to power system (e.g. when vehicle leaves depot). Unit will power off after 3 hours (duration configurable) of no motion (when vehicle is stationary). Force to turn on is 0.05G on any axis.

Accelerometer with Power Switching on vibration and ignition

Wire 12v in , GND, serial out, connect 12v out to X200/cameras and also wire vehicle ignition signal to ignition input. Relay will power on if ignition is on or vehicle is experiencing motion. Relay will power off after 3 hours (duration configurable) of no motion and ignition off.

Power Switching on relay input (as X100)

This may be used to turn main power on using an alarm input while consuming 10mA in standby. The provides the low power mode similar to that built into legacy X100 units but not available on X200 units. Wire 12v in, GND and 12v out to X200/cameras. Wire the relay alarm input between 12v in and IGNITION pins.

Calibration

Factory set. See X200 manual for recalibration.

Regulatory Approvals

CE Mark	WEEE
EN61326-1:2006	ISO 9001:2000
RoSH	No. FM525394

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