



Key features:

- Evidential video & audio recorder for police surveillance operations.
- 4 x SD or 1 x HD video inputs.
- Records to Blu-ray / DVD optical disc or optional removable SATA drive
- SHA256 hash coding of recordings.
- Ethernet and WiFi* interfaces.
- RTSP streaming to video management systems such as Milestone, Genetec, Crossfire etc.
- Easy upgrade from AfterBurner 1&2: same footprint and similar operation to the original AfterBurners.

* Via Future upgrade.



4 Channel Evidential DVD Recorder.

AfterBurner-4 builds on the highly successful award-winning AfterBurner 1&2 range of evidential video surveillance recorders. Retaining the same footprint for ease of replacement, new features include 4 independent standard definition inputs along with one full-HD input (up to 1080p/30). The front panel user interface is based on the previous models, so little extra training is required for user operation.

Efficient evidence gathering:

AfterBurner-4 utilises efficient H.264 video compression providing high quality images coupled with long record times. The record times can be extended further by using time-lapse modes, or by selective recording using internal video motion detection, timers etc. Evidence is burnt to write-once DVD or Blu-ray discs or optionally to a removable SATA drive for rapid retrieval. All files may be SHA256 hash coded by AfterBurner-4 to provide an evidential audit trail.

Highly connected:

Networking has been enhanced to allow for remote control and live monitoring via its Ethernet and WiFi* interfaces. The unit has an easy to use web-page interface for control and setup, along with the ability to live stream in RTSP format to video management systems such as Genetec and Milestone. Ovation Systems also provide free server software to make the connection to remote devices from an unknown IP address quick and secure.



AfterBurner-4 with optical drive



AfterBurner-4 with removable drive



AfterBurner-4

Evidential Video Recorder



General:

Operating temperature range:	0 to +40 °C (with removable solid state disk -20 to +65 C).
Mechanical size:	155 x 90 x 260 mm (as previous AfterBurner).
Finish:	Black painted aluminium.
Weight:	2.2 kg approx.
Standard accessories:	Mains PSU, user guide, power lead.
Operating voltage range:	10 to 14 V DC.
Typical power consumption:	Sleep 3mA, recording 650mA, burning 2A. Short-term power segues up to 4A.
Drives supported:	DVD / Blu-ray optical drive or 1 x removable SATA SSD 2.5" drive.
Max DVD burn rate:	>x6 (typically 15 minutes, or less).
Internal hard disk drive:	500 GB.
Power-up record time:	~ 30 seconds.
External camera power:	5V, 9V or 12V (700mA total max).
Record control by:	<ul style="list-style-type: none">> Local start / stop button.> 2 external control inputs activated by contact to ground.> 4 internal timers.> Zoned video motion detection.> Mechanical shake detection (internal accelerometer).
Record pre-trigger:	Fixed at 2 seconds.

Video:

Video inputs:	4 x PAL / NTSC, 1 x HSDSI.
Video I/O connectors:	4 x BNC inputs, 1 x SD BNC output. 2 x BNC (HSDSI in /out). 2 x Ovation i-Conex, 1 x i-Conex-HD.
Video compression:	H.264 recorded as .FLV files.
Digital sampling resolution:	PAL:720 pixels by 576 lines. NTSC: 720 pixels by 480 lines. HD: 720 (1280 x 720) @ p/25/30/50/60, 1080 (1920 x 1080) @ p/25/30.
Video quality adjustment:	5 levels.
Video time-lapse:	Full rate to 1 frame per second.
A/V Video out:	SD (PAL or NTSC) monitor of video input with onscreen display. HD inputs are down-sampled to SD. Monitor of audio inputs after mic gain, ACG etc.

Audio:

Number of channels:	2.
Audio I/O connectors:	2 x RCA Phono, 1 x i-Conex.
Compression:	AAC.
Input level:	Mic or line level with AGC.
Compression:	AAC 16 bit, 16 kHz sampling.

Data Interfaces:

Ethernet interface:	Static and DHCP addressing. Web page control and configuration. HTTP and HTTPS connections.
Streaming:	H.264 RTSP streaming of video with configurable, resolution, frame and bit rates. AAC or G.703 audio streaming.
WiFi*:	External USB b/g/n interface. Access point and client modes supported (future upgrade).
RS232 port modes:	GPS; decodes NMEA data. Log of data to disk & shows coordinates on screen. PTZ control (RS232/ 422) with Visca and Pelco-D protocols.
2 x SD card slot:	For firmware upgrades.
USB-1:	WiFi / firmware upgrades
USB-2:	Future use.
USB 3:	Internal hard disk reader interface (NB: internal disk is formatted ext4)
Security features:	<ul style="list-style-type: none">> SHA256 hash coding of files.> Internal IPsec VPN*> Optional AES 128/256 encryption of the internal / removable drives* (*subject to demand via future firmware upgrade).

* via future upgrade

Please note: Ovation Systems reserves the right to change specifications without notice. E&OE



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Web-page Interface:

Top-level configuration can be achieved via the front panel LCD interface. For more advanced functions, such as for motion detection, timers etc., a new web-page interface provides for quick and easy setup. There are two password protected login levels, "admin" and "user." Users can be limited to only see certain elements of the home screen together with specific setup tabs.

The screenshot displays the AfterBurner-4 Admin Home Page. At the top, there is a navigation bar with tabs for Home, Recordings, Triggers, Timers, AV Setup, Stream Setup, Network, and System. The main content area is divided into several sections:

- Preview:** A live camera feed showing a car park entrance. A timestamp '14/03/2018 12:03:24' is visible in the top right corner of the video frame. Below the video is a 'Camera preview' label.
- Current GPS Position:** Displays coordinates '51°44'14"N 1°4'52"W' and a Google Map of the location. A label 'Google Map of position (if GPS Rx connected)' points to the map.
- Record Status:** Shows 'Stopped' and includes 'Start Record' and 'Stop Record' buttons.
- Trigger Status:** A table of detection settings:

Audio Detection	<input type="checkbox"/>	Motion Detection	<input type="checkbox"/>
Shake Detection	<input type="checkbox"/>	GPS Movement	<input type="checkbox"/>
Input 1	<input checked="" type="checkbox"/>	Input 2	<input checked="" type="checkbox"/>
- Disk Status:** Shows '99% Internal Disk Remaining' with a gauge and a table of disk metrics:

Total Internal Disk Capacity	467.099 GB
Total Record Time	4d 0h 3m
Remaining Space	463.086 GB
Remaining Time	3d 23h 13m
- Audio / Video Configuration:** A table of system settings:

Video Mode	1 x HD	Video Record Quality	High
Video Format	1080p25	Video Capture Size	1920x1080
Audio Record	Enabled	Audio Record Quality	High
Stream Mode	Video only	Video Stream Quality (%)	80
Video Rate	25 fps	Audio Stream Bitrate	64 kbps
- Peripheral Configuration:** A table of hardware settings:

Camera Power	5V
Serial Mode	GPS
Serial Power	5V

AfterBurner-4 Admin Home Page

Example Part Numbers:

- AB4B-6003: AfterBurner-4: 4xSD or 1xHD DVD evidential video recorder with DVD drive. Supplied with UK mains PSU and user guide.
- AB4B-6006: AfterBurner-4: 4xSD or 1xHD DVD evidential video recorder with removable 500 GB SSD SATA drive. Supplied with UK mains PSU and user guide.



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