

AfterBurner



time-lapse DVD recorder

Tape is finally dead!

24-hour time-lapse hard disk DVD recorder



Designed specifically for video surveillance operations, AfterBurner offers all the benefits of the very latest DVD digital video technology with the versatility of a traditional time-lapse VCR.

AfterBurner is easily configured for video quality and record rate via its front panel LCD. It is able to record two to three hours of high quality real-time video per DVD, which may be extended to 24 hours or more in time-lapse. Recordings are burnt to DVD write-once disks, that are viewable on any DVD player.

Installation

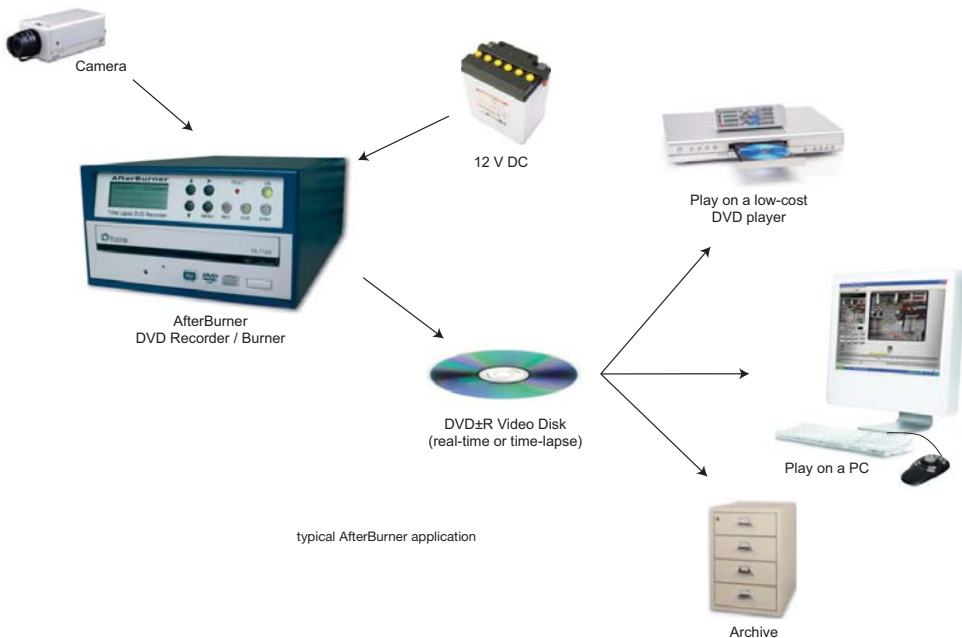
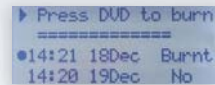
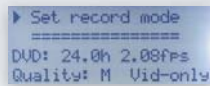
AfterBurner is as simple to install as a standard VCR. Simply connect a camera to the video input and apply power. The system is supplied with a mains PSU or can be 12 V DC battery powered, requiring only 700 mA when recording. Line level, dual channel audio inputs are provided for stereo audio when recording video in real-time.

The external I/O port allows for connection to alarm devices (such as PIR detectors), synchronisation of

the internal clock and automatically starting a second AfterBurner when the first AfterBurner's hard disk is almost full.

Set-up

AfterBurner is easy to set up via its front panel LCD menus and pre-set configurations for record rate and video quality. For example, the standard 24-hour mode provides just over two pictures per second of high quality video recording per DVD disk. The user can instruct the system to automatically burn when there is enough data available to burn a full DVD, or to burn at a given time of day. Advanced menus configure the record timers, alarm modes, on-screen date and time etc.



typical AfterBurner application

Operation

Once set up and installed, pressing the record button starts AfterBurner recording video to its internal hard drive. For flexibility, there are a number of burn options: Manual, where the user can burn a DVD at any time, even whilst the unit is recording; Automatic, where AfterBurner burns when a full DVD of data (4.7 GB) is ready or at a pre-set time of day. This feature is especially useful in 24-hour mode, where the unit can start recording with a blank DVD and the data is then automatically burnt, ready for collection the following day.

AfterBurner may also be set to continually record to hard disk with the option of stopping or overwriting when the disk is full. In 24-hour mode, this means the unit can be left unattended for up to 16 days before the oldest video is overwritten.

- DVD recorder capable of real-time and time-lapse recording
- True digital alternative to time-lapse VCRs
- Burnt disks play on standard DVD players
- Internal hard-disk storage of 16 DVDs, providing over two weeks of storage
- Complies with UK Home Office digital imaging procedures
- 12 V DC powered - suitable for battery operation
- VCR like features, alarm inputs and four internal record timers
- On-screen time and date stamp



Playback

AfterBurner DVDs will play on any standard DVD player, either software or hardware. For ease of review, Ovation Systems also provide DVD-Explorer, a unique Windows XP only software player specially designed for fast navigation of DVDs recorded by AfterBurner.

Evidential Procedures

AfterBurner was developed to meet the digital imaging guidelines set by the UK Home Office Scientific Development Branch (HOSDB). AfterBurner provides a digital alternative to time-lapse tape and therefore existing tape based audit trail procedures for submitting video evidence to court can be used.

Award Winning Technology

AfterBurner was awarded second prize in the UK Equipment and Technology Awards 2006, which was organised by the HOSDB and the Association of Police and Public Security Suppliers.



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outline specification...

general

Operating temperature range	0 to +40 °C.
Mechanical size	w:155 x h:90 x d:260 mm.
Finish	Painted aluminium.
Weight	2.2 kg approx.
Standard accessories	Mains PSU, user guide, DC lead
Operating voltage range	10 to 20 V DC
Typical power consumption	Standby: <5mA at 12 V DC Recording: <9W (~0.7 A @ 12V) Recording & burning: <15W (~1.3 A @ 12 V)
DVDs supported	DVD -R, +R, -RW, +RW & +R dual layer
Max DVD burn rate	x6
Typical DVD burn time	15 to 20 minutes
Internal hard disk	80 GB (>16 DVDs of data), 120 GB (>24 DVDs of data)
Internal record timers	4
Alarms	User definable change of record rate on alarm.
Onscreen display	Preset & user definable format of date, time, status etc.

video

Video standards supported	PAL / NTSC (auto switching)
Video I/O connectors	BNC / S-video mini DIN
Video compression	MPEG-2 with time-lapse capability
Video Input / output level	1 Vpp into 75Ω
Digital sampling resolution	PAL: 720 pixels by 576 lines, NTSC: 720 pixels by 480 lines
Video quality adjustment	5 levels
Real-time record duration	1 to 4 hours per DVD
Time-lapse recording modes	4, 8, 12, 18, 24, 36, 48 hours, 7days (24 hours rec rate, ~2 pics / sec)

audio

(only recorded with real-time video)

Number of channels	2
Audio I/O connectors	RCA Phono
Input impedance	> 10 k Ω
Output impedance	< 1 k Ω
Compression	MPEG-1 level 2
Input / output level	Line: ~200 mV peak to peak

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

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