

SmarterDVR™ 100

All-in-one motion-triggered camera & DVR Kit...



The SmarterDVR 100 (Digital Video Recorder) is a complete all-in-one (PIR) motion-triggered video/audio recording system packaged in a water-proof housing for remote surveillance applications.

The motion detection range is approximately 30 feet. Video recordings are saved on standard Compact Flash (CF) or Sony Memory Stick DUO memory card in a MPEG4 video recording format. Simply turn the internal power switch to the "on" position, close the case, and wait the 1.5 minute motion control warm up time, and the SmarterDVR 100 will be ready for motion event video recording.

The DVR captures more than 1 hour of footage at 640 X 480 @ 30 Frames per second in high resolution with sound on a 1Gb memory card. The unit can connect to a TV, PC with a memory card reader for playback, or a personal media player and is easily transportable to different sites.

ADVANTAGES

The advantages the SmarterDVR 100 has over traditional motion event recording systems are that the video camera automatically switches to full color during daylight hours, and stealth IR mode for night recording with IR illumination up to 30 feet.

Sound can also be recorded with your video**, which is a very important feature. Being that there are no mechanical parts for running VHS tape recording or spinning hard drives, the SmarterDVR 100 can be used in much lower temperature conditions.

The DVR and video camera are powered by a rechargeable 12V SLA 3.4 AH battery, which under normal use can last up to 2-3 weeks of unattended use. 4 AA batteries are used to power the motion control electronics and can last up to a year under normal use. A solar panel can be added as an accessory item to charge the 12V SLA battery for an unlimited unattended use time.

SPECIFICATIONS

Unit Specs

- Size: 9-1/4"L x 7-3/4"W x 4-1/2"D
- Media Type: CompactFlash (CF), Secure Digital (SD), Sony Memory Stick PRO
- PIR Motion Detection Range: 30 Feet (heat and motion trigger) with adjustable sensitivity.
- IR Range: 30 Feet
- Enclosure: rugged and waterproof case
- Trigger Time: ~4-6 seconds
- 12V Battery: 3.4AH 12V SLA
- Rechargeable/Removable battery with A/C charger lasting up to 3 weeks on a single charge.
- 12V Solar Panel/AC Charging port with over charging protection and blocking diode.
- User adjustable Settings
- Unit lockable with a Masterlock® Python™ Cable
- Temperature range: 0°F to 120°F
- Power up auto walk-test mode (testing out PIR unit detection area/range)
- Optional accessories include solar panel, lock, pole mount, remote wireless sensor, extra compact flash, Personal Media Players

Video Camera Specs

- Switches from color to night IR automatically
- Day Color- Night IR 6mm Video Camera
- Camera: 1/3" Sony ExView HAD CCD video camera: NTSC or PAL
- Resolution: 520 TV Lines
- Input Voltage: 12V DC
- Lens: S= 6.0mm, W= 3.6mm
- Minimum Illumination: 0.05 Lux, 0 Lux (IR ON)
- Synchronization: Internal
- Adopts "Special Optical Low Pass Filter" No Day & Night Focus Shift
- High Efficiency Infrared LED, IR Distance - 30 Feet
- CDS Automatically Activate LED, When Light Drops Below 20 Lux
- High Sensitivity Sensor, Excellent Picture Quality

KEY FEATURES

- ALL-IN-ONE REMOTE SURVEILLANCE PACKAGE
- WATER-PROOF HOUSING / TEMPERATURE HARDENED
- STARTS RECORDING WHEN MOTION IS DETECTED WITHIN A 15-30 FOOT RANGE (DEPENDENT ON TEMPERATURE)
- VIDEO SAVED ON FLASH OR MEMORY CARD
- MORE THAN 1 HOUR OF FOOTAGE
- COLOR DURING THE DAY / IR MODE AT NIGHT
- RECORDS SOUND WITH VIDEO**
- POWERED BY A RECHARGEABLE BATTERY THAT CAN LAST UP TO 2-3 WEEKS WITH OPTIONAL SOLAR PANEL

Operation Specs

- On board Power On/Off switch
- 10-position DIP switch for setting unit operations
- 8 PIR delay settings: no delay, 30 secs, 1 min, 2 min, 5 min, 10 min, 15 min, 20 min
- 24 hour, day only, night only operation
- Recording Times: 30 secs or continuous motion recording, 30 secs only, 1 min, 5 min
- Special setting to power camera/DVR on for TV DVR setup/review
- Dual LED - Red Control LED/Green PIR LED
- Day/Night Sensor for setting operation modes
- On board MIC and MIC Gain POT to adjust input sound levels
- On board PIR sensitivity
- On board IR Remote Tx control LED
- Upgradeable board firmware
- External Trigger Port
- Adjustable DVR recording quality from 640 X 480 @ 30 frames/second down to 320 X 200.

IF YOU'RE UNWILLING TO COMPROMISE WHEN IT COMES TO SECURITY, please call us at 800.943.0043 to see how we might help you. Our web site www.smartersecurity.com provides more information including brochures, photos, videos and specifications.

**Audio surveillance may require warning signs. Smarter Security Systems highly recommends abiding by these laws. Please consult your local laws regarding the legality of audio surveillance.



*All distances and performance are subject to ambient air temperature and dependent upon video recording rate. Due to continual product improvements, specifications are subject to change without notice.