



PORTABLE DIGITAL VIDEO SURVEILLANCE SYSTEM

Model DVSS-6



- ⦿ **Fast Deployment Portable Surveillance System**
- ⦿ **6 Wireless Video Cameras**
- ⦿ **Up to 7 Vibration Sensors**
- ⦿ **User Configurable**
- ⦿ **User Selectable Camera Activations of Target**
- ⦿ **Activation System Log File (Flash)**
- ⦿ **Digital Pictures (DVR MMC)**
- ⦿ **Easy To Operate**

The DVSS-6 is eentec Surveillance's third generation controller module utilizing current state-of-the-art technology with field-proven design concepts. It has been adapted to control up to 6 wireless cameras and monitor up to 7 vibration sensors.

The DVSS-6 **Digital Video Surveillance System** is a low power, portable, modular system consisting of a controller unit, vibration sensors, power source, and wireless cameras. The controller unit consists of a state-of-the-art microcontroller that acts as the "brains" of the system. It manages the menu driven user interface, signal conditioning and amplification, triggering of the system, power management, control of the DVR module, and wireless camera transmitter and receiver modules. The entire controller unit is housed in an environmentally sealed rugged lightweight engineered plastic case intended for burial. An external battery or batteries power the controller unit, allowing the flexibility of desired operational duration in the field.

The signals from the vibration sensors are band (frequency) limited from 20Hz to 50Hz. These are the frequencies of interest generated by a subject moving within the target area. Lower or higher frequencies will not trigger the system thereby limiting the possibility of false triggers generated by background noise, such as trees blowing in the wind, or higher frequency electrical interference (60Hz). However false triggers will depend on the sensitivity threshold the user has set the system to.

The wireless cameras are in a cylindrical PVC housing with sun visor. It is powered by its own power supply via a small wire running to the battery or batteries that are buried. It has no connection to the recorder, so the recorder location cannot be determined in case of camera detection.

The system is designed to add future options such as remote alerting via cell or radiophone and digital sound recording.

Specifications subject to change without notice

1.1.12

DVSS-6 Specifications

CONTROLLER MODULE

Processor Type	Low power microcontroller
Clock frequency	16 MHz
Storage Media	Compact flash card
Storage Capacity	64 – 128 MD
Log File Format	ASCII text file
Timing	Internal clock

DVR MODULE

Storage Media	Multi Media memory Card (MMC)
Storage Capacity	256 MB – 512 MB
File Format	JPEG (.jpg)

WIRELESS VIDEO REVEIVER MODULE

Number of Channels	6
User Interface	Six independent channel buttons, lit up when active.
Maximum Distance From Cameras	150 feet line-of-sight

WIRELESS CAMERAS

Number of Channels	6
Type	CMOS image sensor
Transmitting Frequency	1.2 GHz
Illumination Sensitivity	1 LUX
Maximum Distance for Clear Picture	150 feet line-of-sight
View Field Angle	2” – 25’
Housing	PVC with sun visor
Dimensions	L 5” X D 2”
Housing Color	Green standard, others optional
Mounting	Aluminum frame attached by removable wing nuts.
Power supply voltage	9 V nominal
Power Consumption	1.5 mA (standby), 125 mA (active)
Power Cable Length	15 feet (standard)
Power Cable Connection	Hard wired on camera end, polarized locking connectors on battery end
Number of Units	6 (standard)

BASE UNIT POWER SUPPLY

Voltage	12 V nominal
Over and Reverse Voltage Protection	Fuse
Fuse Rating	1 Amp
Power Consumption	60 mA (standby), 550 mA (activated)
Power Cable	4 feet (standard)
Power management	Automatic system shut down at 7 volts. DVR stops recording below 8.6V

USER INTERFACE

Display Type	4 line LCD
Buttons	3, menu, right and left arrows
Switches	2, power and system switch
LED lights	5, trigger, camera on/off, DVR on, status

CONTROLLER UNIT PHYSICAL CHARACTERISTICS

Dimensions:	12.5 X 10.5 X 4.5 inches
Weight:	7 lb
Environmental	32 – 125°F
Housing	Lightweight engineered plastic. Weatherproof.

VIBRATION TRANSDUCERS

Natural Frequency	30Hz
Band Limited Frequency	20Hz to 50Hz
Housing	Aluminum
Dimensions	Body: 3” X 2” X 1”, spike 3”
Weight	3 oz.
Sensor Cable Length	20 feet (longer length optional)
Number of Sensors:	3 (standard), up to 7 (optional)

OPERATING PARAMETERS

Wakeup Time After Trigger	4 seconds
Minimum Frames Per trigger event	17
Maximum Frames Per trigger event	100
Minimum Time To Take a Frame	0.5 second
Maximum Time Between Frames	300 second
Maximum Number Of Frames Per Camera Battery Charge	10,200
Maximum Number of Frames (256 MB MMC Card)	24,000
Camera Scan Rate Per Camera	1 – 10 seconds
Minimum Event Record Time	10 seconds
Minimum Wait Time After Trigger	10 seconds
Trigger Modes	2
Trigger Threshold	1 – 20
System Enable/Disable Time	0 – 24 hours
LCD backlight	On / Off

OPTIONS and ACCESSORIES

USB Multi Format Memory Card Reader	Included
RCA Patch Cable For Camera Focusing	Included
DVR Driver Software For the PC	Included
Controller External Battery Charger w/ Cable	Included
Camera External Battery Charger w/ Cable	Included
Rechargeable Controller Battery/ Cable	Included
Rechargeable Camera Batteries/Cable	Included
Additional Sensor Cable Length	Optional
Additional Vibration Transducers	Optional
Additional Antenna Length (Controller)	Optional
Additional Camera Power Line Length	Optional
Additional Controller or DVR Storage Media	Optional

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