

DF-5015 DFIR™**

SUREN

Outdoor DFIR Motion Sensor



Why DFIR ?

A **DFIR™**** system receives two different signals from special detectors and optics. Non-moving stimuli generate two signals at one frequency; thus no false alarm. Moving persons generate two different signal frequencies – a true alarm.

Ordinary PIR sensors determine alarms by only one signal from a simple infrared light detector. Non-moving stimuli can cause the same signal – **DFIR™**** sensors reject this kind of false alarm.

Superior False Alarm Immunity

- ❑ **Anti-Sway DFIR™**** rejects wind-blown objects.
- ❑ **Split-View™** DFIR™**** opto-electronic system
 - Dual-Frequency InfraRed™ system
 - Special quad-element infrared detector**
 - Separate detector for short-range/look-down
 - Protection against false alarms arising from:
 - radio interference – bright white light
 - changing-temperature non-moving objects
 - air currents – shock – electrical surges

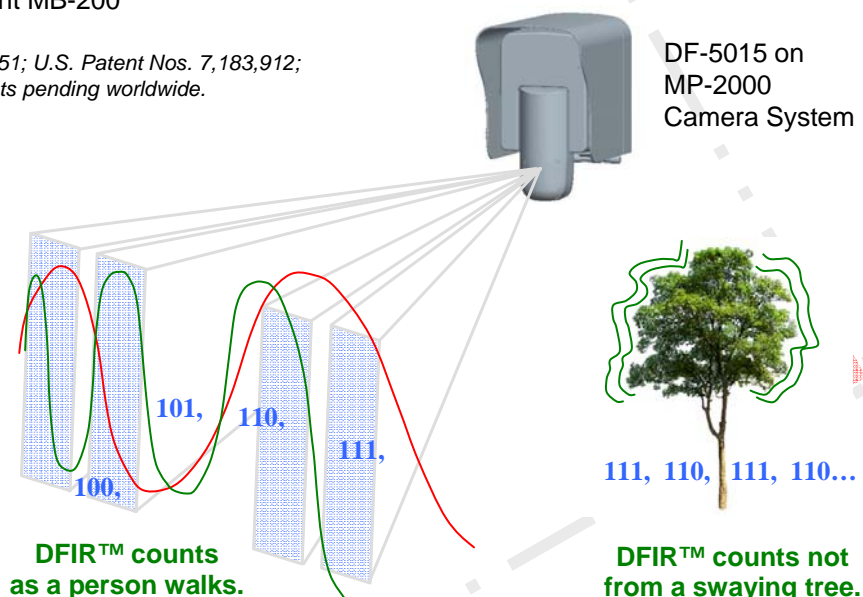
Easy Installation

- ❑ Direct fit to MP-2000 Camera System
- ❑ Deep wire channels, dual cable entry
- ❑ 45° corner-mounting surfaces
- ❑ Knock-out holes for mounting and wiring
- ❑ Standard swivel-mount MB-200

** U.K. Patent No. GB2414551; U.S. Patent Nos. 7,183,912; 7,399,969; 7,399,970; Patents pending worldwide.

Reliable Detection

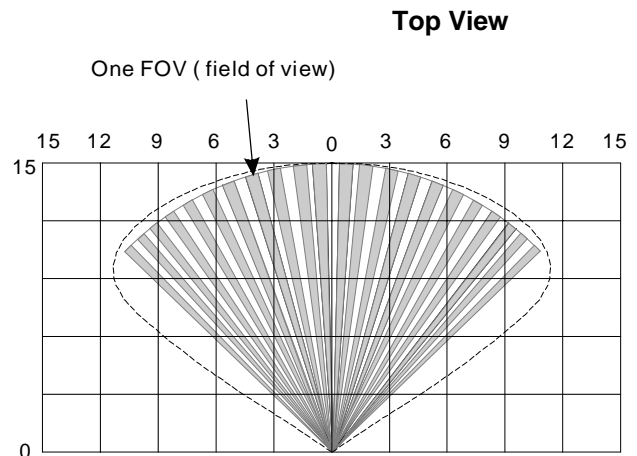
- ❑ **SureSpot™** microcontroller waveform processing is on the watch! While complex curves and dips of real signals “fool” other sensors’ ASICs and basic-level processing, **SureSpot™** processing detects intruders!



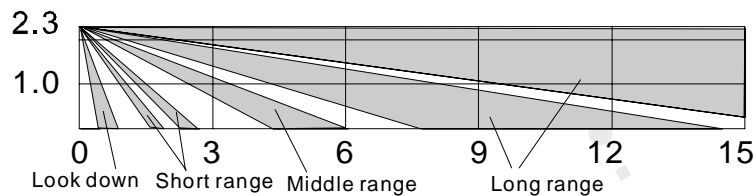
Product Features

- ❑ Fits SUREN MP-2000 Camera Base System or SUREN MB-200 Swivel Mount
- ❑ Look-down detection directly below the sensor to catch wall-creeping intruders
- ❑ Precise factory calibration for dependable performance of every sensor
- ❑ Multiple white light immunity features:
 - White diffusing lens
 - White-light absorbing film
 - Large IR detector window (4.2 x 5.2 mm)
- ❑ Consistent detection sensitivity throughout the monitored area
- ❑ Selectable processing sensitivity for different environmental requirements
- ❑ Continuous supervision of:
 - Power supply voltage
 - Ambient temperature
 - IR detector operational parameters
- ❑ Operation from -40°C to +55°C
- ❑ Sensitive cover/base tamper detection switches
- ❑ Remote LED Enable control input
- ❑ Sealed IP65 construction

Optical View Pattern



Side View



Specifications



Swivel Mount
MB-200



Range:	15 m, radially outward from sensor, 90 degrees wide			
Power Supply:	Voltage		Current	
	8 – 16 Vdc		14 mA at 12 Vdc	
Alarm Relay:	Solid state Form A (NC) 50 mA 30 V; 1500 Vrms isolation			
Tamper Switches:	Form A (NC) 50 mA @ 30 Vdc			
RF Immunity:	20 V/m 10 – 1000 MHz; 10 V/m 1000-2000 MHz			
White-light Immunity:	25,000 lux			
Environmental:	-40°C to +55°C operation; IP65			
Approvals/Qualifications	CCC (pending), EN 50131 Grade 2, CE			
Housing:	High-impact ABS			
Dimensions:	167 x 76 x 42 mm (H x W x D)			
Optical Field-of-view Count:	Long Range	Mid Range	Short Range	Look-down
	88	30 + 8	18 + 8	4 + 4

All specifications are subject to change without notice.