



- Wireless technology for maximum security
- Curtain detection lens (1m curtain width)
- Dual tamper function
- PIR motion detector
- LS14500 SAFT AA Lithium battery for extended battery life
- Transmits check-in/status signal every 8 minutes

## Description

The **IMD** is a wireless indoor motion detector designed for use in Videofied® security systems.

The IMD is an dual-element passive infrared system with a curtain Fresnel lens.

The detector is powered by one lithium battery that can last up to 4 years depending on the amount of detector activity.

The detector transmits a check-in signal every eight minutes that includes its unique identification code along with the current detection sensor state, tamper condition, serial number, date of manufacture, software revision, and battery status.



## Features

- > Wiselink® spread spectrum radio protocol.
- > AES encrypted secured wireless system.
- > Bidirectional radio transmission between the devices and the panel.
- > Standard coverage lens (12m/40 ft. distance)
- > Wall and cover tamper
- > Lithium battery : up to 4 years of battery life.

# PIR MOTION DETECTOR **IMD**

## ELECTRICAL PROPERTIES

<b>Panel compatibility</b>	W, X and Visio ranges
<b>Power requirements</b>	Type C - (1x) 3,6 V LS14500 Lithium battery
Nominal voltage	3.6 V
Low battery limit	2.7 V
Battery life (estimated)	Up to 4 years

<b>Current Consumption</b>	
Standby (1h average)	40 µA
Max	37 mA

## RADIO PROPERTIES

<b>Wiselink® RF Technology</b>	
Radio type	Spread spectrum bidirectional RF
Operating frequency	<ul style="list-style-type: none"> <li>• 868MHz - IMD200 (Europe, Africa, Asia)</li> <li>• 865/867MHz - IMD300 (India)</li> <li>• 902/928 MHz - IMD601 (Americas)</li> <li>• 915/928 MHz - IMD702 (Australia, South America)</li> <li>• 902/907.5 MHz &amp; 915/928 MHz - FHSS - IMD800 (Brazil)</li> </ul>
Transmission security	AES algorithm encryption
Supervision	Radio, batteries, tamper
Radio antenna	Integrated

## DETECTION PROPERTIES

<b>Infrared detection specifications</b>	
Technology	Passive infrared DSP
Type	Dual element
Detection lens	Fresnel
Detection angle	90°
Detection range	Up to 12m
<b>Tamper</b>	Wall and cover tamper

## BOX

<b>Physical properties</b>	
Material	ABS—ULV0
Dimensions	51.2 x 80.9 x 36.8mm
Weight	58 g (sans pile)

<b>Environnemental properties</b>	
Operating temperature	-10°/+55° C
Maximum relative humidity	75%, non-condensing
Protection marking	IP30/IK04

<b>Installation / Mounting</b>	
Mounting height	1,70 m
Mounting on flat wall	2 screws
Closing of the casing	Closing by clip and screw if required by local legislation

## STANDARDS AND CERTIFICATIONS

<b>IMD 200</b>		<b>868MHz</b>
Europe		Compliant with Directive 2014/53/EU for RED Radio Equipment Directive Intertek LSS (EN50131-2-2) Id: 16LHK0199-01
<b>IMD 300</b>		<b>865/867 MHz</b>
India		Compliant with Certification number
<b>IMD 601</b>		<b>902/928MHz - FHSS</b>
Argentina		Certification number C-17501
Canada		IC (RSS-247 issue 1) Id: 8816A-MV50
Columbia		
Costa Rica		SUTEL 00914-SUTEL-DGC-2017
Mexico		IFT Certification number RCPSISI17-0298
Panama		Certification number 1718
Peru		Certification number TRSS38410 «En Perú, este equipo diseñado para la banda de 902-928MHz, debe ser configurado para operar solo en la banda 915-928MHz con una PIRE de hasta 1W (30dBm) y sujeto a las Condiciones de Operación que establezca el MTC.»
USA		(Part 15C) Id: X46MV50

<b>IMD 702</b>		<b>915/928MHz - FHSS</b>
Australia		C-Tick (AS/NZ4268)
Chile		SUBTEL Certification number 2661/DO_36683/F26
<b>IMD 800</b>		<b>902/907.5MHz &amp; 915/928MHz</b>
Brazil		Certification Number 00615-17-10210  Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

### EMEA SALES

23, avenue du Général Leclerc  
 92340 BOURG-LA-REINE  
 FRANCE  
 E-Mail : emeasales@rsivideotech.com

### North American Headquarters

1375 Willow Lake Blvd, Suite 103  
 Vadnais Heights, MN 55110  
 USA  
 E-Mail : usasales@rsivideotech.com

