



RackEyeTM

— 24/7 —
MONITOR | ALERT | PREVENT



An abstract graphic in the background consisting of numerous teal-colored lines of varying thicknesses that curve and intersect across the page. Small teal circles of different sizes are placed at various points along these lines, creating a network-like or orbital pattern.

Make your workplace safer, smarter and more efficient

RackEye helps you look after your warehouse day and night. It detects impacts to your racking and alerts you automatically if attention is required. With 24/7 real-time data, you can see everything as it happens, or you can view a full history of impacts for the day, week or year. Powerful insights allow you to track incident trends and take preventative action.

The peace of mind you've been waiting for

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RackEye sees everything.
It is the eyes and ears of
your racking every minute
of every day.

If something happens,
RackEye will tell you instantly,
pinpointing the exact
location and level of risk.

With real-time data insights,
you can make decisions
that prevent accidents and
save costs.



Optimize safety and never miss a thing

Automatic incident logging and guided rack inspections maximize safety and compliance, providing peace of mind that nothing will be missed.



Save time and money on maintenance

Early visibility and easy incident management allow you to plan and prioritize maintenance. Incident patterns help you to predict and prevent unplanned repairs.



Reduce damage with powerful insights

Real-time data and actionable insights allow you to reduce rack impacts and increase your operational efficiency.



Empower and engage your people

Increased awareness of risk empowers and engages your team to drive positive change in their own work environment.

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How RackEye™ works

RackEye works using a seamless combination of rack-mounted sensor units, intelligent cloud-based analytics and an intuitive App-based user interface to deliver unrivalled rack health data to your smartphone, tablet or PC.



- 1** Sensors fitted to the legs of warehouse racks instantly detect when an impact occurs. If the impact is outside the parameters of normal operations, an alert is triggered by the system. A red light on the sensor flashes as a visual warning to the forklift driver, as part of a traffic light system to indicate impact status.
- 2** At the same time as an impact is detected at the rack sensor, a signal is sent to the Conek Gateway to notify the Conek Cloud that an incident has occurred. This occurs seamlessly and in an instant, thanks to a unique, Ultra Low Energy (ULE) wireless communications system that works entirely independently from your IT network infrastructure.
- 3** The incident is logged on the Conek Cloud, which immediately reports it as an alert or warning via the app and RackEye dashboard. An instant SMS notification is also sent to the warehouse management team.
- 4** SMS, Dashboard and app notifications include vital details about the rack involved, as well as the probability of damage. If an immediate rack inspection is required, the RackEye smartphone App will guide you step by step through the process of assessing damage in accordance with EN15635:2008.
- 5** The RackEye Dashboard provides unparalleled insight into impact trends within your warehouse facilities, allowing you to identify impact hotspots across multiple locations and address problem areas before rack damage becomes an issue. Benefit from easier KPI measurement thanks to an array of reporting options, including heatmaps of warehouse locations, incidents by rack-leg, aisle, shift, date or month.

Technical Information

RackEye™

Color		Yellow Black	
Dimensions	Height	190mm 7.48in	
	Width	44mm 1.73in	
	Depth	35mm 1.38in	
Mass (weight)		0.193g 6.80oz	
Connection to Conek Gateway	DECT ULE		Digital Enhanced Cordless Telecommunication. Ultra low energy
	Frequency	EU	1.88 to 1.9 GHz
		USA & Canada	1.92 to 1.93 GHz
	Transmission power		23dBm
	Device check-in frequency		30 mins (Default) adjustment possible
	Range		328ft to 656ft*
Operating conditions	Temperature	Low	0 Celcius 32 Fahrenheit
		High	40 Celcius 104 Fahrenheit
	Humidity	Low	20%
		High	80%
Power	Power source		2 x AA Batteries
	Runtime		2 Years**

* Range will depend on variables such as building construction and items being stored.

** Based on a RackEye running normally at room temperature with no alerts over a two year period.



RackEye App



conek gateway

Color		Black	
Dimensions	Height	235mm 9.25in including antennas	
	Width	265mm 10.43in	
	Depth	63mm 2.48in	
Mass (weight)		400g 14.11oz	
LTE connection (connection to Cellular Network)	Frequency	EU 4G Band 1 - 2100MHz 4G Band 3 - 1800MHz 4G Band 7 - 2600MHz 4G Band 8 - 900MHz 4G Band 20 - 800MHz 3G Band 2 - 2100MHz 3G Band 8 - 900MHz 2G Band 3 - 1800 MHz 2G Band 8 - 900 MHz	North America 4G Band 2 - 1900 MHz 4G Band 4 - 1700 MHz 4G Band 5 - 850 MHz 4G Band 12/13 - 700 MHz 3G Band 2 - 1900 MHz 3G Band 5 - 850 MHz
Wireless (connection to RackEye)	DECT ULE	Digital Enhanced Cordless Telecommunication. Ultra low energy	
	Frequency	EU 1.88 GHz to 1.9 GHz	North America 1.92 GHz to 1.93 GHz
	Range	Up to 656ft*	
Operating conditions	Temperature	Low	0 Celcius 32 Fahrenheit
		High	50 Celcius 122 Fahrenheit
	Humidity	Low	20%
		High	80%
Number of devices per Conek Gateway		Up to 984ft*	
Power	Power source	100-240V - 50-60Hz 0.58A	

* Range and number of devices will depend on variables such as building construction and items being stored.



INGENUITY BUILT™

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