SaferAI® 5GBCSB**

Karta-X Construction Safety AI Camera

The most accurate analysis, comes
from more reliable data





Proprietary 5G functions*

*5G enabled functions varies per project, please contact for more information
**Powered by Karta-X AI Assisted Construction Safety Analytic (KACSA®) Platform

NEW

SaferAI®

24/7 SOLAR POWERED





BEFORE



Poor network

No Electricity connection

delayed / missed alert

NOW

Easy to setup

Always-on

Self-recharging

Eco-friendly

- Enjoy an uninterrupted power supply
- Saved time and resources on monitoring battery level and replacing battery
- Enable AI systems in sites with unstable networks and no power supply. (e.g. demolishing building works)

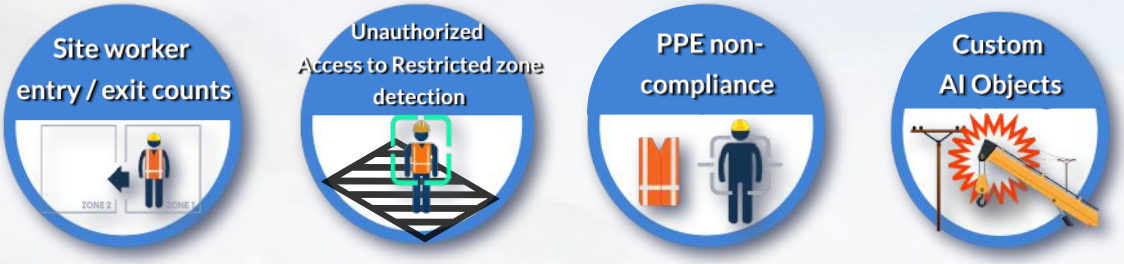


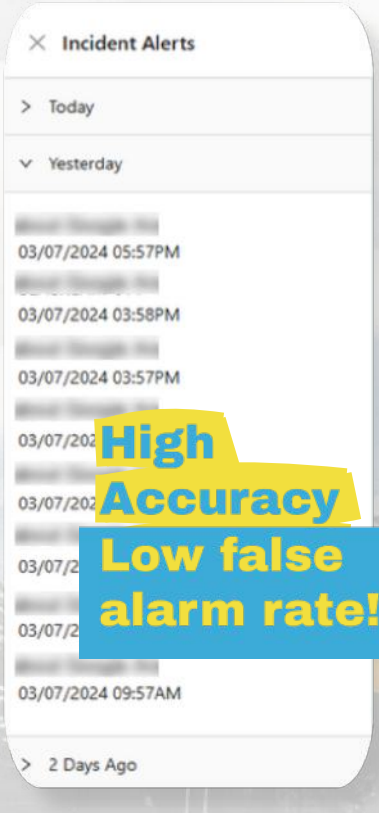






APPLICATION





High Accuracy
Low false alarm rate!



Edge processing unit with online capability installed inside the machine for real-time AI processing

01 Analytical-grade PPE detection

4S Standard, 90%+ accuracy, flexible, customizable based on project needs







02 On-device AI Processing

AI without invading privacy!

EXCLUSIVE

SaferAI®

BENEFITS WITH OUR PROPRIETARY 5G TECHNOLOGY ★★★

Seamless Streaming



Network Awareness

"Avoid over-stressing connected networks"

Performance Enhanced



24/7 Continuous Video Recording

"Capture both AI video and continuous recording"

Energy-saving



Battery Awareness

"Save both device network and device battery"

TECHNICAL SPECIFICATION

Model No.	5GBCSB	
Camera	Resolution	1920 x 1080
	FOV (horizontal)	~100° FOV for suggested distance: 0-20m
		~55° FOV for suggested distance: 20-40m
		~38° FOV for suggested distance: 40m above
	Physical Dimensions (H x W x D)	147 x 226 x 396 mm
	Weight	<3Kg
	Operating Temperature	-10°C - 50°C
	Detection Range	<24m for 100° FOV version
	Low Light Vision	supported
	IP Rating	IP66
Edge AI	AI Processor	Embedded AI processor
	Network	LAN, Mobile network
	CPU	Arm-based processor
	Power	DC24V <30W (Optional DC12V / AC220)
	Operating System:	Linux-based Architecture
	Storage*	TF cards up to 512GB
	Memory	8GB
	Video encode/decode:	H.264, H.265 (hardware)
		Additional storage is added based on project needs*
Solar and battery powered	Power	140W Solar panel
	Battery Capacity	150 Ah lithium solar rechargeable battery

4S ENGINE, 1 CMP PLATFORM

Risk-focused, Data-driven



SaferAI® on MEDIA

KARTA-X：港產一條龍5G AI鏡頭監測系統　助中國路橋提升偏遠地盤安全

加達科技有限公司（KARTA-X）是專注物聯網和影片分析的智慧城市平台服務供應商，其研發的解決方案能應用於建築， 工程，建設和智能照明等行業。在科技園公司的幫助下，KARTA-X與中國路橋合作，為他們提供「安全監測系統」。KARTA-X聯合創辦人及行政總裁鮑穎仁（Warren）介紹道：「系統包含分析軟件和5G AI鏡頭，可識別工友活動，例如有否穿戴完整安全裝備，吊運有否跟隨安全指引，直接輸出可作數據分析的報告，以實現更好的工地安全管理！」



KARTA-X與中國路橋合作，為他們提供「安全監測系統」。

儘管這套系統至今已應用於本地超過20個地盤項目之中，但Warren坦言與中國路橋合作是最大挑戰的一次：「其一是中國路橋項目的面積大，我們以鏡頭為核心的系統能夠靈活移動，足以覆蓋逐漸擴張的地盤。其二則為地區偏僻，信號接收欠佳，我們為針對此痛點，自家研發出專利技術，能夠確保在接收信號不佳的情況下把數據完整上傳到雲端！」科技園公司的創新生態圈為科企提供技術、資金方面等全面支援，初創就算面對挑戰時仍可迎難而上，讓今次合作成取得成功。



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