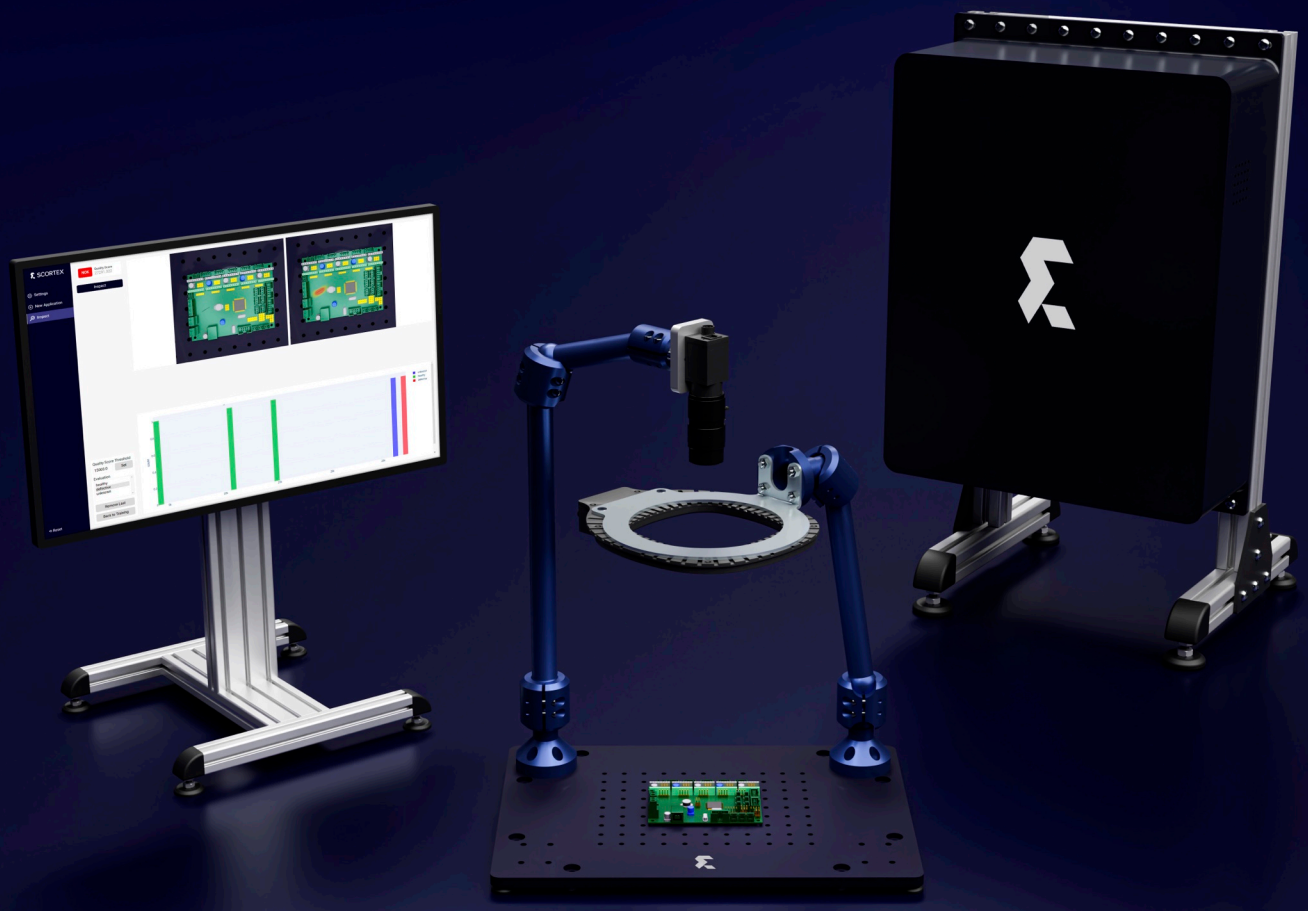
SCORTEX

AI-powered automated visual inspection.



Technical data

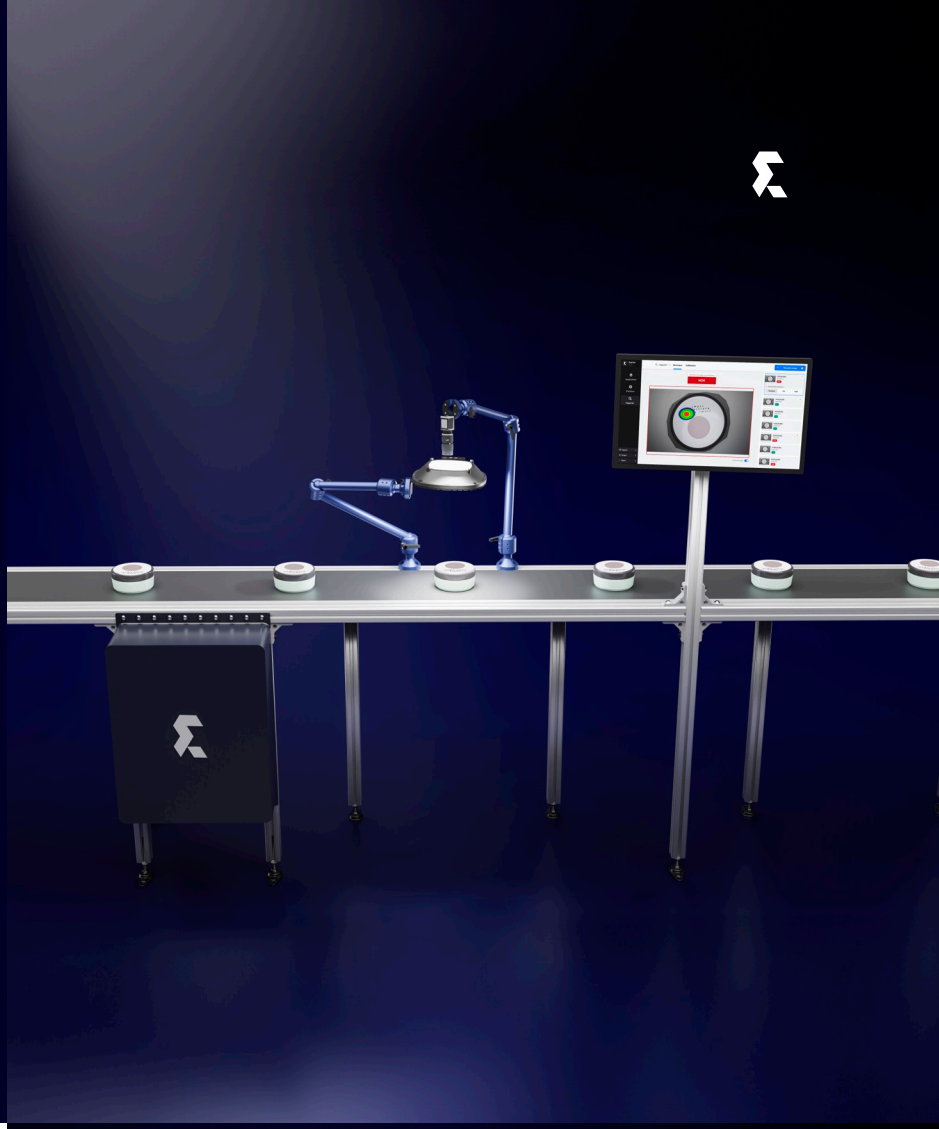
Spark
Spark Multi View

EN-23-11-V1

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Spark

Fast. Easy. AI-powered.
Take control over your quality.



Spark Multi View

Intelligent inspection.
Advanced support.
Spark multiplies up to 4 cameras.



Why choose our solutions for better quality control?

Inspect from Day 1

Spark software helps you create inspections quickly, autonomously, and without expensive expertise, in just a few hours.

From 1 to 4 cameras
Up to 3 parts inspected per second

Up to 4 cameras for inspection of complex parts. Up to 3 parts inspected per second to cover most of your inspection needs.

AI-powered advanced anomaly detection

Spark AI algorithms, crafted by our award-winning team, quickly learn from as few as 30 healthy parts.

Access your quality reports instantly

Access all your quality data remotely and in real-time with our Quality Center web application. An effective tool for reporting, traceability, and root cause analysis

Access to premium support

Benefit from the expertise of our dedicated Customer Success team, from deployment to performance validation, including support with analyzing quality data from your production lines

Take control over the quality / cost / time triangle

Spark improves production by balancing quality, cost, and time challenges through high-performance inspection. This optimizes costs, boosts efficiency, and enhances customer satisfaction.

Spark and Spark Multi View **help you reduce your quality costs.**



Cosmetics



Packaging



Automotive



Consumer goods



Metal parts



Plastic injection molding

Spark and Spark Multi View

Beyond a simple vision system.

What is included in **Spark and Spark** Multi View **kits**



Equipment



Software



Commissioning



Maintenance



Updates

	Spark	**Spark** Multi View
Technical		
Kit contents	1 camera	2 to 4 cameras
	1 light	1 to 4 lights
	22“ touch screen	
	Cables (power and data)	
	Poly-articulated arms + camera support plate	
Central unit contents	Edge computing platform	
	PLC	
	4G / Ethernet modem	
	Power supply	
Equipment features	Box: 560 x 400 x 180 mm	
	Arm: 720 mm max. length	
	Camera + lens: 140 mm long	
	Power supply: 220V / 270W AC	
	5m for cables from Box to cameras and lighting. 2m for cables from Box to monitor.	
Light power	Standard 60W. More on request	
Cameras	Quantity : 1	Quantity: 2 to 4
	Visible or UV, infrared spectrum	
	Matrix sensor	
	Lens: C-Mount	
	Camera resolution: standard 2.3 MP	
	Image format: 1920 x 1200 px	

Spark and Spark Multi View

Beyond a simple vision system.

	Spark	**Spark** Multi View
Integration into the industrial environment		
Operating temperature	0-40°C	
IP protection index	IP20	
Communication		
Communication protocol	Input: 24V PNP signal on 4-pin M12 connector	
	Output: 2 24V signals on a 4-pin M12 connector	
	GPIO	
Use cases		
Size of inspected parts	30mm x 30mm ➟ 1000 x 1000 mm	30 mm x 30mm ➟ 2000 x 2000 mm
Ratio of defect area to part area	> 0,05%	
Type of visual defect	Surface defects, pattern, texture. Damage: scratches, dents, burns. Excess or lack of material. Abnormal shapes. Incorrect parts positioning.. Presence/absence/error of components. Contamination by foreign bodies. Incorrect assembly. Liquid volume check. Broken, cracked or chipped parts.	
Types of materials	Metal, glass, plastic, paint, ceramics, wood, textiles, leather, composites, liquids.	
Number of applications handled by Spark and number of images to create a model (min and max)	Standard: 500 applications (more on request) 30 to 500 images to create an application.	
Cadences/ througput: number of parts inspected per second	3 parts / second max	1 part / second max
Latency: time to process image for quality results	925 milliseconds	
Local data processing and transfer time to the Cloud	Local quality decision (edge computing) Image upload in 1 second Production statistics upload in 1 second	

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