

Verification Cube



Bullet-proof verification reports

The Verification Cube is nothing less than a revolution in the area of industrial verification processes. It can produce bullet proof reports both on standard bar codes as well as 2D codes.

It is the only standalone system in the market that produces results 100% according to ISO 15415, 15416 and 29158. The integrated camera is not being impaired by mirrors, as with many competitive systems. The housing is made out of a solid aluminum block, ensuring that even heavier shocks will not affect the precise mechanical and

optical parts.

The system can be used stand-alone as well in-line with the production. The results are being displayed at the device itself as well as in a detailed report at the PC.

Perfectly suited for

Users, who want to increase the reliability of their production processes via regular verification of printed bar- or 2D-codes.



Only cube-system with a non-diverted view from the camera to the product



Verification of bar codes according to DIN 15416 („bar code on a label“)



Verification of 2D codes following DIN 15415 („label“) & 29158 („direct print“)



Real-time text recognition software for verification of dynamic data



Uses a grid of 10 (instead of 1) measuring points for stable & reliable results



Immediate red / amber / green indication of the verification results (A to F)



Issues a detailed 2-page verification report



Results can also be stored in a database for archiving purposes



Verification Cube

Technical data

	Key Features
Plug & Play	<ul style="list-style-type: none"> • Unit works „out of the box“ - Immediate results by pressing the „Scan“ button • Connects via USB - Does not require complicated network configuration • Directly connects to 230V, does not require an external power supply • M12 connection for external trigger signal, 3 digital outputs
Technology	<ul style="list-style-type: none"> • Contains a full vision system with a high-performance camera system • Immediate signaling of results via LEDs on the device • Detailed verification report on displayed on the computer (if connected) • Can be used as a stand-alone system or in-line
Design	<ul style="list-style-type: none"> • Extreme robust device made out of a full cube of aviation aluminum • Made in Germany
	Norms
ISO	<ul style="list-style-type: none"> • Verification is according to all existing norms - requires no separate configuration • ISO 15415: 2D code on label • ISO 15416: 1D Code on label • ISO 29158 - AIM/DPM: 2D code direct coding
GS1	<ul style="list-style-type: none"> • Verification and decoding according to GS1 specification
Additional analytical tools	<ul style="list-style-type: none"> • Allows for a full range of additional analyses beyond bar code verification: <ul style="list-style-type: none"> • OCR - Text recognition • OCV - Text verification • Intellifind - x/y/rotating position - identification of patterns • Blob Tool - Counting of object • Flaw Tool - Existence of specific objects • Measurement - Distances or angles • Logic connections • Data outputs in specific formats • Cross references: Bar code content vs. OCR or code, code versus reference value, best before date vs reference value , etc.
Reproducibility	<ul style="list-style-type: none"> • Stable results through 10 measurement lines and special diffuse lighting system
Sensor technology	<ul style="list-style-type: none"> • Camera sensor with direct orientation towards the verification object • Only system in the market that hereby ensures a 100% accordance to the norms
Illumination	<ul style="list-style-type: none"> • Professional 90° diffuse dome illumination system • Without disruptive effects of single LED lights
	Technical specs
Operating range	<ul style="list-style-type: none"> • 5-45 °C at 10 - 90% humidity (non-condensing)
Measurements	<ul style="list-style-type: none"> • 200 x 200 x 200 mm / 7.9" x 7.9" x 7.9" (l x w h)
Weight	<ul style="list-style-type: none"> • 8 kg / 17.6 lbs
	Warranty
	<ul style="list-style-type: none"> • 18 months