

OptiScanBan®

Ban the Manual Scanning. Go Optical!



OptiScanBan® was developed to automate existing or new Kanban systems.

It optimizes the replenishment process of a Kanban system.

Because the entire concept is web-based, implementation is very simple.

With the automated OptiScanBan® Kanban system you optimize the replenishment process, thanks to reducing the number of human actions.

» Optimization of the replenishment process



The OptiScanBan® system **eliminates the need for manual scanning** and the system can deliver an identical level of service with **fewer deliveries**, saving time and money.

» Increased discipline

The users will show much more discipline, thanks to the snapshots that can be used as evidence to **make the timing for requesting a replenishment verifiable**. This allows the users themselves to play a proactive role in the entire replenishment process.

Currently only available in Belgium and Switzerland.

» Possible applications

Since there must always be a line-of-sight between the camera and the goods in stock, OptiScanBan® is compatible with storage in modular baskets in open racks (1), open shelves (2), open cabinets or cabinets with transparent doors (3).

To ensure correct alignment of the camera, UBeFlex® racks and shelves must be permanently mounted. Racks and shelves that stand against a wall can be secured with wall mounting, free standing racks and shelves by means of base plates.



» What does an OptiScanBan® system consist of?

- A server
- One or more cameras per storage area
- An OptiScanBan® label holder per item in the storage area

» Responsible investment

By introducing OptiScanBan® technology, your institution can count on **operational reliability** 24h/24 and 7d/7. There are certainly also **time and efficiency gains** and the **service levels** to the end users **increase** substantially.

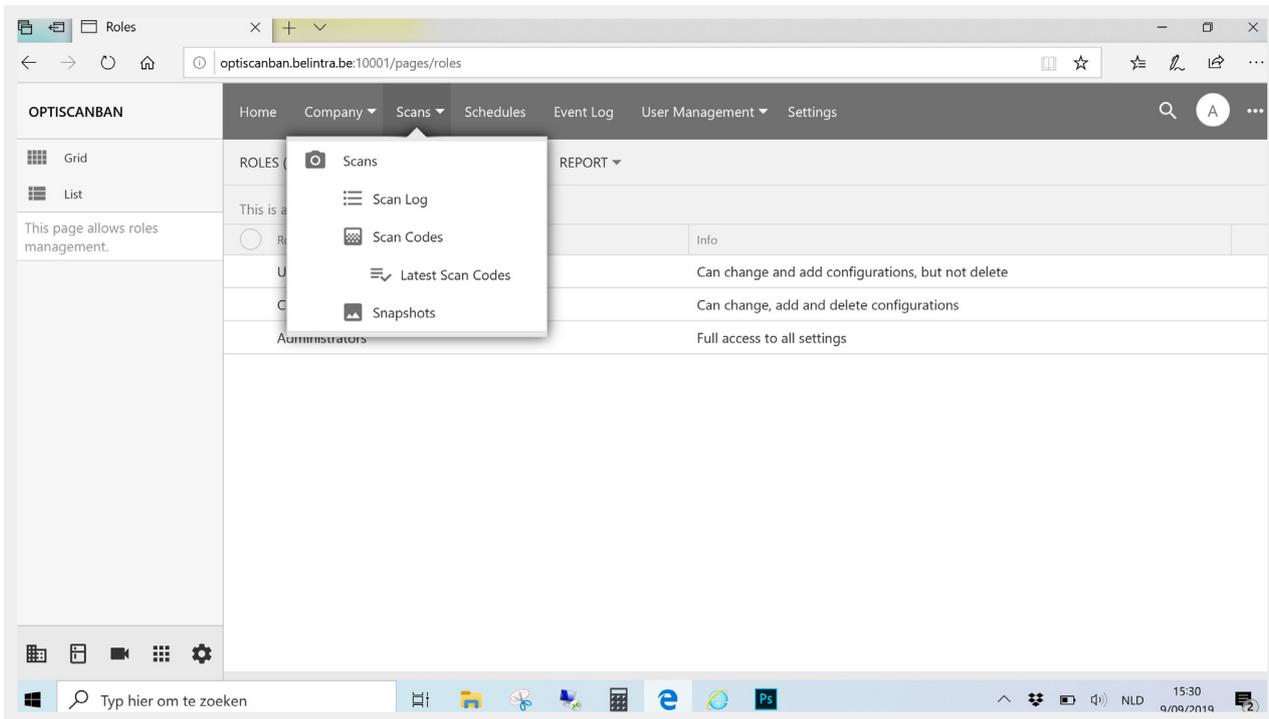
» How does it work?

The new automated OptiScanBan® system works on the basis of **one or more fixed dome cameras** that scan the entire modular stock and thus read the condition of OptiScanBan® label holders.

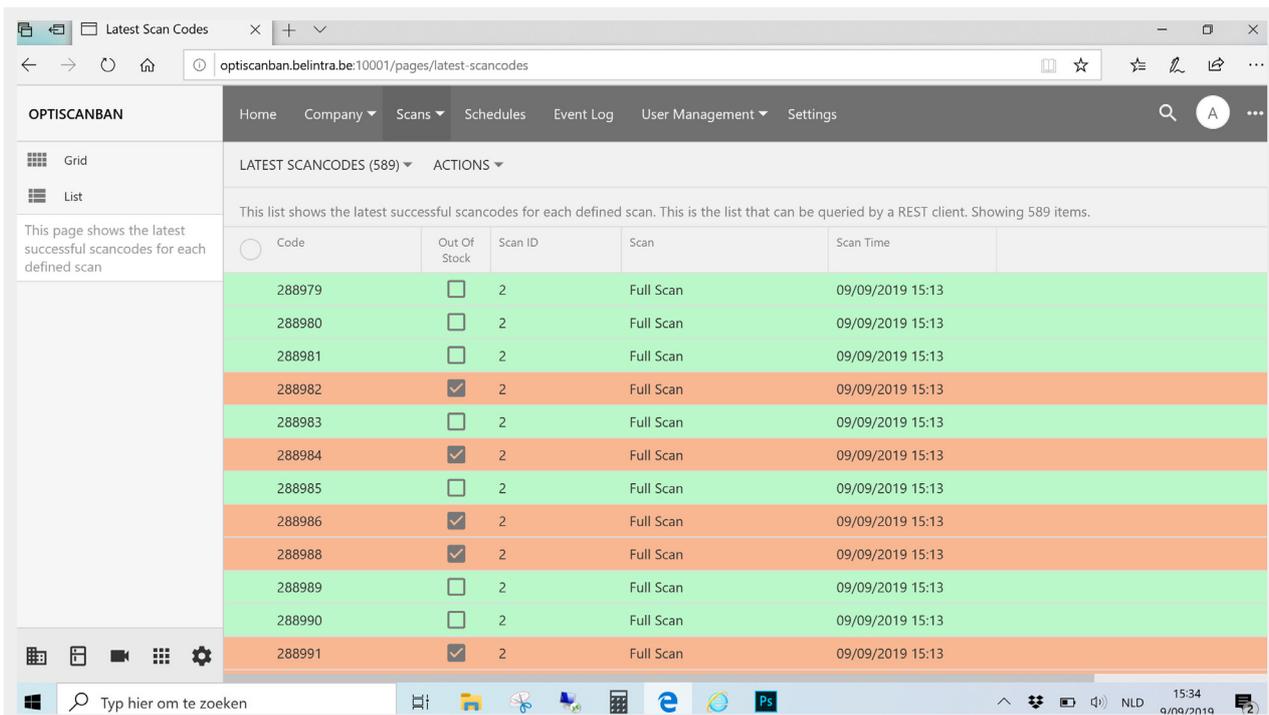
The dome cameras are **connected to the network via a POE** (Power Over Ethernet) connection.



Each camera is assigned a series of pre-programmed "presets" (fixed locations) from which the "snapshots" (photos) will be taken. Belintra defines the setting of the cameras and the "presets". For each preset, a snapshot is sent by the camera to the server that will determine the status of the OptiScanBan® label holders via image recognition.

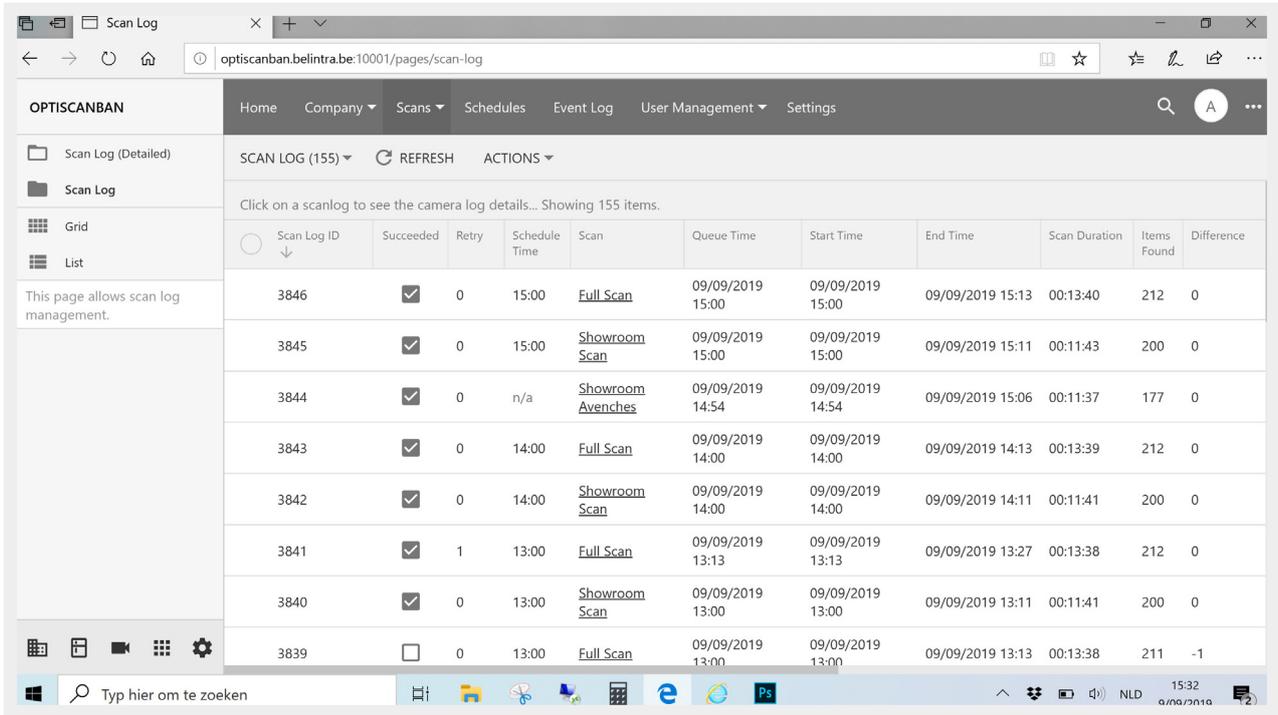


The OptiScanBan® software analyzes the snapshots and **recognizes the status of each item** - the red and the green - and **registers the latest status in the database** after a successful scan. Based on this, the total number of items specified for that space is also checked every time. There is thus a **maximum reliability of the information** which is not the case with other technologies such as RFID. The system also has the necessary **intelligence to** - in the case of incomplete scans and after a programmable number of new attempts - **generate an email** to the OptiScanBan® system administrator.

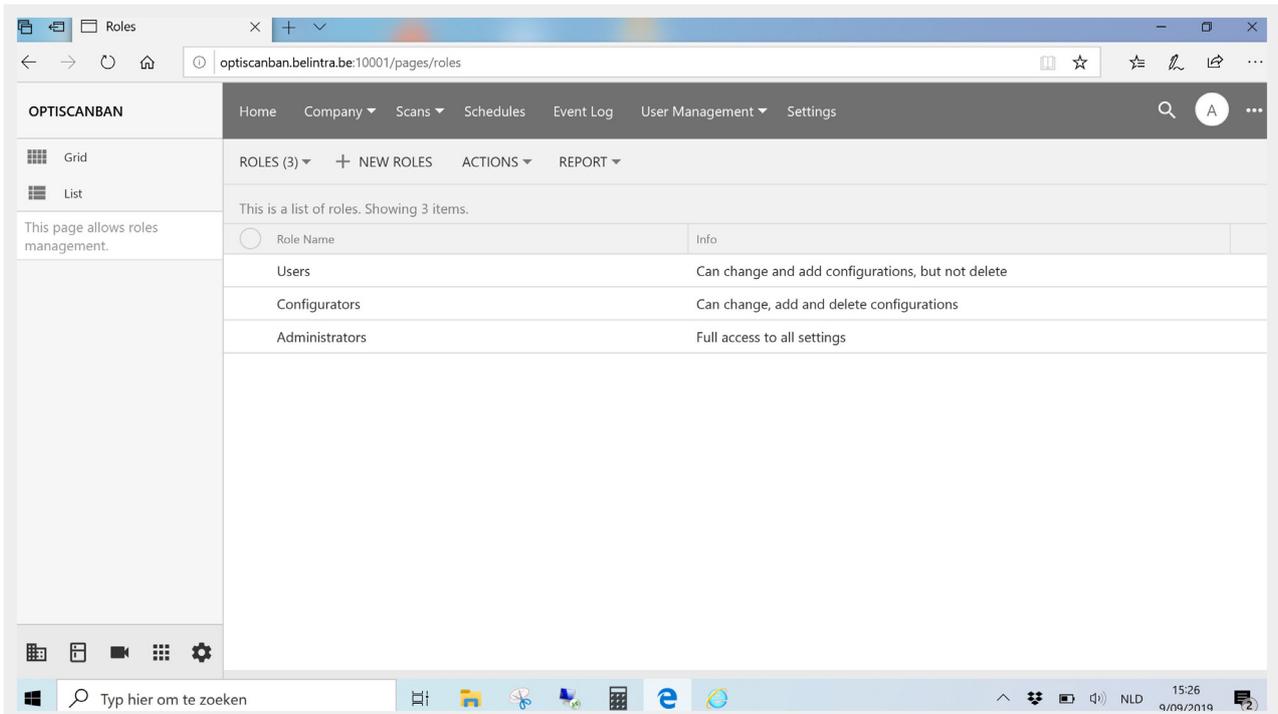


In a defined stock space, **articles** and/or modular baskets **can be added and/or removed**, locations can be changed **without having to reprogram the presets in the camera**.

With the "scheduler" you program the scans at specific times per day. Adding and/or removing articles in a certain room is also handled in-house.



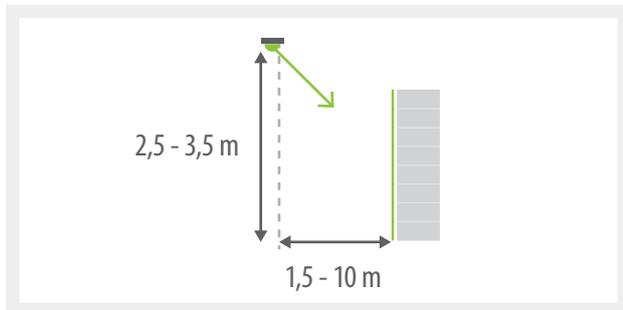
The "User Management" section allows you to **assign different profiles for the different user levels**.



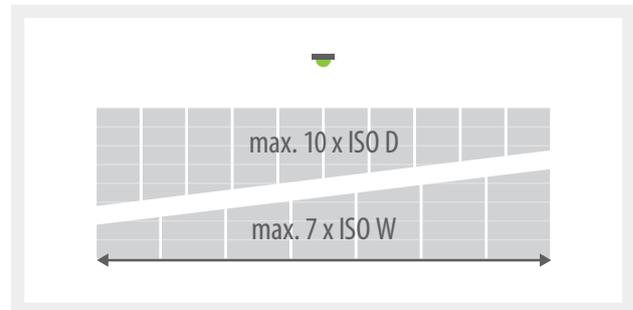
The concept of the software is **completely web-based**. Thanks to the web services, the OptiScanBan® software can be easily linked to Excel. The connection from OptiScanBan® to your ERP system is initiated in consultation with Belintra.

» OptiScanBan® - Mounting of the camera

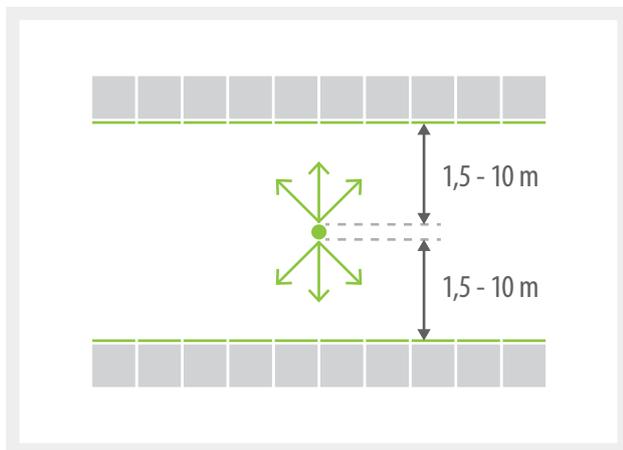
The mounting of the OptiScanBan® camera must meet certain criteria to function properly. The diagrams below illustrate this. The mounting height is between 2,5 and 3,5 meters. 1 camera can cover up to 10 x ISO D-type or 7 x ISO W-type columns. A minimum distance of 1,5 meters is required between the outer circumference of the camera and the racks, the maximum distance is 10 meters.



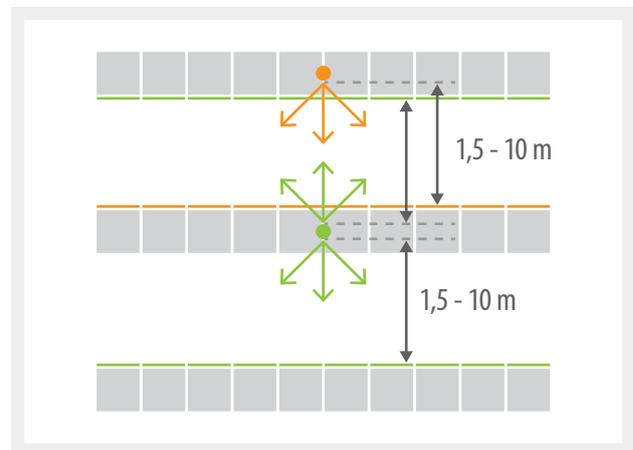
Side view



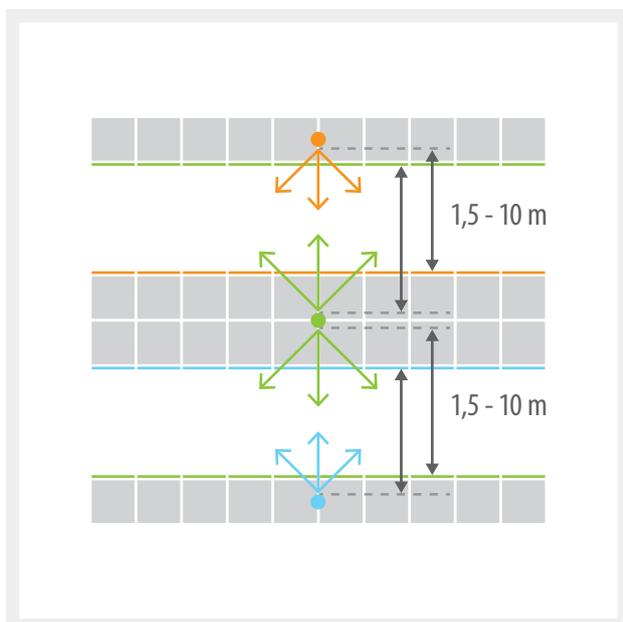
Front view



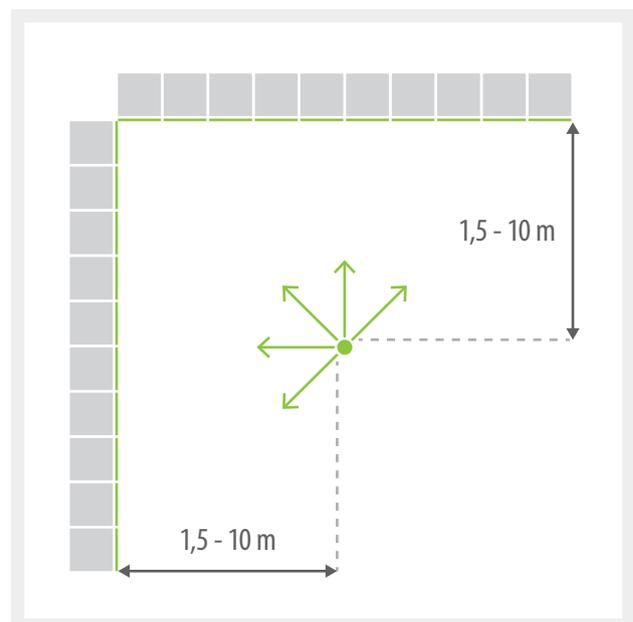
Top view - Setup with 2 rows - 1 camera



Top view - Setup with 3 rows - 2 cameras



Top view - Setup with 4 rows - 3 cameras



Top view - Corner setup with 2 rows - 1 camera