



Document
Automation
for
Health
Level 7

Your solution in documents automation.

www.scannervision.com

The Health Level 7



HL7®

A document and a split second,
that could be the weight of a family.

“ Healthcare institutions, such as hospitals, nursing homes or laboratories rely on documents and specialized healthcare systems to exchange information. Since there is no one size fits all healthcare system, these institutions most likely use a number of applications to support all their activities, such as billing records to patient tracking. The larger the institution, the more applications and systems they are using. ”

Common Challenges:

In the past the biggest challenge of these institutions, especially for their IT departments, was to make sure that all those applications can communicate with each other to send and receive information and documents, since every application has their own way of handling data. Thanks to Health Level Seven, or HL7, which is a set of international standards for transfer of clinical and administrative data between healthcare software applications, various healthcare systems can now communicate with each other and share clinical information. The HL7 standards are produced by Health Level Seven International, an international standards organization, and are adopted by other standards issuing bodies such as ANSI and ISO.



How ScannerVision™ and aivika solutions can help

Information can come from various sources, and hundreds, even thousands of documents, either paper or digital, are being generated and distributed by physicians every day. Scanning devices usually do not offer any connection or integration with healthcare systems, and the same can be said for other document sources such as e-mail clients or mobile devices.

When attaching a (scanned) document to a patient record, the capturing device will have to be able to show a list of patients. **ScannerVision™** and **aivika** utilize HL7 to automatically collect and parse specific information from the Electronic Health Record (EHR), such as patient names. When submitting the document to an EHR, **ScannerVision™** and **aivika** fully utilize HL7 to construct a message that is accepted by the receiving application. Text on the document is recognized using advanced OCR technology, and the document itself can be enriched by additional metadata, making it easy to identify and retrieve these documents.

Document capturing and distribution can be expanded and optimized, thanks to **ScannerVision™** and **aivika** technology, without having to change the existing HL7 interface, as **ScannerVision™/aivika** leverages the HL7 standard to support the sharing of scanned/captured information between healthcare systems and providers.



ScannerVision™ and aivika
“Building better solutions”

The benefits our solutions provide to Health Level 7:

- Implement and deploy solutions that are based on HL7 standards, which is the standard for information exchange at healthcare institutions.
- Capture and share clinical, administrative and financial information directly from the capturing device.
- Eliminate unnecessary and potentially unsafe temporary storage, such as shared folder or e-mail, and send the captured document directly to the end destination.
- Standardize and accelerate scanning/capturing of documents by applying scanning policies, such as how documents should be named, to anyone who is using a scanning device.
- Ensure that documents are processed according to existing protocols using the right tools and modules to generate required metadata.
- Generate searchable and logically named PDF so that documents are easy to identify and retrieve.
- Automatically extract clinical data elements using (zone) barcode recognition and (zone) OCR.

A photograph of three medical professionals in white lab coats sitting around a table. They are looking at a tablet computer that displays a blue-tinted X-ray of a human chest. One person is holding a pen over the tablet. The background shows a window with horizontal blinds.

ScannerVision™

*Productive
Efficient
Affordable*

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