

Quantum™

Enterprise Content Solutions
Intelligent Data Capture



Cut through the clutter of unstructured documents

Healthcare organizations today are inundated by the inflow of documents via a wide variety of sources. Many struggle to efficiently manage the identification, routing, and extraction of information. According to Gartner, up to 80% of an organization's data exists in unstructured document formats.¹ This results in unsearchable content, underutilized information, and labor-intensive processes. **Quantum Enterprise Content Solutions** with the **Intelligent Data Capture (IDC)** feature helps hospitals and health systems overcome these issues by automating document processing, thus eliminating the need to manually separate, enter, and validate every piece of information.

Intelligent Data Capture is an enterprise content collection and discovery platform. Employing a combination of supervised machine learning and rules-based logic, it categorizes and indexes clinical and nonclinical documents to support automated content processing. This dramatically accelerates many common activities, including patient record retrievals, purchases, invoices, claim submissions, applications, background checks, and other document-based transactions.

Intelligent Data Capture in 3 Phases:

Input



Intake of physical documents, electronic documents, and images via paper, email, fax, and file transfer.

Analyze



Intelligently identifies content types and metadata.

Deliver



Results are automatically sent to EMR, ERP, RPA, or other line-of-business systems.

How does your healthcare organization manage back-office processes and paperwork? How many people must interact with documents in order to complete a business workflow? With Intelligent Data Capture, we help alleviate the disorganized flow of information through a standardized, repeatable process. The result? Documents and associated materials are now organized and distributed to the proper system or repository (eg, electronic medical records (EMR), enterprise resource planning (ERP), or robotic process automation (RPA) systems), saving time and converting chaos into order.

Reduce document preparation and handling. Anywhere there is manual sorting of paper or digital assets, Intelligent Data Capture can leverage its automated classification and separation capability.

Minimize manual data entry. Manual entries and barcodes are replaced with an easy-to-use document and data validation user interface. Intelligent Data Capture auto-extracts and transfers the results to a digital repository with minimal human interaction.

Reduce labor and cost via automation. Intelligent Data Capture can help decrease the bandwidth required to handle high volumes of inbound assets, while subsequently improving accuracy.

Improve turnaround time. Intelligent Data Capture reduces overall processing time by up to 80%, helping healthcare organizations meet tight service-level requirements.

Intelligent Data Capture helps improve searchability with image-to-text conversion using optical character recognition (OCR) and automated indexing. When combined with the Deep Search functionality of Quantum Enterprise Content Solutions, Intelligent Data Capture provides a powerful enterprise-wide utility for quick and accurate query, retrieval, and analysis of records related to patient encounters.

Additional benefits include:

- Flexible licensing model
- Leverages open source technology and standards
- Relies on textual content analysis, not templates, for classification

To learn more, call **1.888.491.7900** or email Info@Quantum.com

1. Darin Stewart. Big Content: The Unstructured Side of Big Data. Gartner Blog Network.
<https://blogs.gartner.com/darin-stewart/2013/05/01/big-content-the-unstructured-side-of-big-data>
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