

# Qentry | Technical Specifications

## QUENTRY.COM

Securely access, share, and view medical data on the web. A supported web browser and Internet connection are required in order to use this service.

## CLIENT REQUIREMENTS

### Operating System

Microsoft Windows XP, Vista, 7 or 8. , MAC OS 10 or higher  
Microsoft Windows 10 with Internet Explorer 11  
(Edge Browser not supported)

### Web Browser (Windows)

Microsoft Internet Explorer 9 or higher (HTML Viewer does not support IE9)  
Mozilla Firefox 50 or higher (does not support Silverlight Viewer)  
Chrome 48 or higher (in case of using Silverlight Viewer, it supports upload, contact and data management. Does not support viewing)

### Web Browser (Mac OS X)

Mozilla Firefox 50 or higher (does not support Silverlight Viewer)  
Apple Safari 8 or higher

### RAM

2 GB minimum

### Software

Microsoft Silverlight plug-in (for image viewing only) –  
Optional, only in case of not using the HTML DICOM Viewer.

### Mouse

Scroll-wheel recommended

### Display

1024 x 768 minimum resolution

### Connection Speed

2 Mbit/sec upload/download minimum

### Firewall

Open Outbound Port 80/443 (HTTP/HTTPS)  
with access to [https://\\*.qentry.com](https://*.qentry.com)

### Cookies

Enable cookies (more details can be found in FAQ)

Microsoft® Silverlight® Plugin is required only when you are unable to use the Brainlab's HTML-based DICOM Viewer.

## DATA COMPATIBILITY

### DICOM modalities

MR, CT, PET, CR, DX, ECHO, US, VL, SC, OT  
(for more details please see [DICOM Conformance Statement](#))

### Other file types

JPG, PNG, BMP, PDF, PPT, DOC, TXT, XLS, CSV, MP4, XML and STL

The above mentioned file types can be uploaded using the web-based upload function (qentry.com), while upload of additional file types are supported using Qentry Desktop (see following page).

### DICOM image formats

Multi-frame and single-frame  
8- or 16- bit grayscale, signed and unsigned  
8 bit RGB and YUV, unsigned  
8- or 16-bit palette color, signed and unsigned  
Little and Big Endian encoding  
RLE compression  
JPEG Lossless compression  
JPEG Lossy compression for 8-, 12- and 16-bit  
JPEG2000 Lossy compression  
JPEG2000 Lossless compression



## QUENTRY DESKTOP

Import and upload from local files, DICOM CDs, and PACS. Download and export to your workstation or PACS. An Internet connection is required in order to use this application.

### CLIENT REQUIREMENTS

<b>Operating System</b>	Microsoft Windows XP (SP2 or SP3) or higher Microsoft Windows 7 or higher
<b>RAM</b>	2GB minimum, 4GB recommended
<b>Software</b>	Microsoft .NET Framework v3.5 SP1 or higher
<b>Storage</b>	10GB available disk space (minimum)

### INTERNET SETTINGS

<b>Connection Speed</b>	2 Mbit/sec upload/download minimum
<b>Firewall</b>	Open Outbound Port 80/443 (HTTP/HTTPS) with access to <a href="https://*.qentry.com">https://*.qentry.com</a>

### DATA COMPATIBILITY

<b>DICOM modalities</b>	Multiple including MR, CT, PET, CR, DX, ECHO, US, VL, SC, OT (for more details please see <a href="#">DICOM Conformance Statement</a> )
<b>Other file types</b>	JPG, PNG, BMP, PDF, PPT, DOC, TXT, XLS, CSV, XML, STL and XBRAIN
<b>DICOM services</b>	Storage, Query/Retrieve, DICOM media

By default, DICOM images are transferred in their original format. JPEG Lossy compression may be optionally selected upon upload. Imported JPG, BMP and PNG images are converted to DICOM format when imported for optimal viewing using Qentry's web-based viewing applications.

### DOWNLOAD INSTRUCTIONS

The Qentry Desktop application can be found on the Applications page on [qentry.com](http://qentry.com) and can be downloaded for free by all Qentry users. Certain features may require additional licensing. Please review installation instructions provided in the Qentry Desktop User Guide prior to installation.

An Internet connection is required in order to use the application. Qentry Desktop will automatically check for updates when started.

## QUENTRY GATEWAY

Search and import from PACS, or export from PACS and imaging modalities for upload to Qentry. Download and store to PACS from Qentry. An Internet connection is required in order to use this application.

## SERVER REQUIREMENTS

### Operating System

Microsoft Windows XP (SP2 or SP3)  
Microsoft Windows Server 2003, 2003 R2, 2008, 2008 R2, 2012 R2  
Microsoft Windows 7 or higher  
Application of all critical updates and hotfixes is highly recommended

### RAM

2 GB minimum, 4 GB recommended

### Software

Microsoft .NET Framework v3.5 SP1 or higher  
Internet Information Services (IIS) – Optional  
Windows Communication Foundation HTTP Activation - Optional  
Windows Communication Foundation Non-HTTP Activation - Optional  
ASP.NET 2.0 enabled (following installation of .NET Framework)

### Storage

10 GB available disk space (minimum)

## INTERNET SETTINGS

### Web Browser (Optional)

Microsoft Internet Explorer 9 or higher  
Mozilla Firefox 50 or higher  
Google Chrome 48 or higher  
Apple Safari 8 or higher

### Connection

2 Mbit/sec minimum, 10 Mbit/sec

### Firewall

Open Outbound Port 80/443 (HTTP/HTTPS)  
with access to [https://\\*.qentry.com](https://*.qentry.com)

## DATA COMPATIBILITY

### DICOM modalities

Multiple including MR, CT, PET, CR, DX, ECHO, US, VL, SC, OT  
(for more details please see [DICOM Conformance Statement](#))

### DICOM services

Storage, Query/Retrieve, DICOM media  
DICOM images are transferred in their original format.

## DOWNLOAD AND INSTALLATION

Qentry Gateway is downloadable by Administrators of Qentry Business Accounts from the Applications page on [qentry.com](http://qentry.com); optional installation by Brainlab is available. Please review installation instructions provided in the Qentry Gateway User Guide prior to installation.

If the Gateway Web Application and Gateway Service are installed on separate systems, **port 5200** must be opened between the hosts (5200 port is set as default, it is configurable).

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