



ULTIMA TERABOX

Fast secure archiving and distribution

Ultima Terabox fits seamlessly into your DICOM workflow, assuring secure archiving of your data and images. Thanks to its web portal, Ultima Terabox distributes images and clinical reports within your

institution or from a distant location. The RAID 6 technology guarantees maximum security for your archive and allows hot swap of defective hard drives while staying online.



Features

ARCHIVING

- Fast and secure archiving, multi-criteria search
- Real-time DICOM accessibility
- Storage management in time (compression)
- Archiving of raw images and reformatted images with annotations

COMMUNICATION WITH DICOM ENTITIES

- Multi-manufacturers, multi-modalities (unlimited connections)
- All communication methods (send, receive, retrieve)
- Automatic routing to multiple destinations according to rules based on DICOM fields

HIS/RIS COMMUNICATION

- Patient information update (A08)
- Patient/exam data fusion and reconciliation (A40)
- Medical Reports Integration (R01)

VIEWER

- Complete set of measurements & annotations / advanced comparative mode & MPR
- Web Viewer, unlimited & simultaneous remote connection

VIRTUAL MEDIA

- Cloud sharing of DICOM studies in 1 click
- Studies, DICOM viewer & clinical report are selected and automatically packaged

- The package is encrypted, password protected, and sent to the Cloud in 1 click
- An e-mail including the link and the password is automatically sent to one or more destinations
- The e-mail template is completely customizable and includes instructions
- The expiration date of the stored studies is configurable
- Data are encrypted (AES 256) and totally secured (SSL protocol)
- The storage space is certified SSAE16/SOC1, SOC2, ISAE 3402

INTERFACE

- Ergonomic, user-friendly and multifunctional
- Web architecture, unlimited simultaneous connections from all PCs in your institution
- Advanced & completely configurable user accounts and administration rights
- Complete real-time tracking of orders: deleting, media virtualizing, sending, viewing, etc.
- Complete audit log

CLINICAL REPORT

- Creation of clinical reports with images & hyperlinks on Ultima web interface
- Reports imported in several formats
- Automatic inclusion of reports through the RIS (HL7)

Options

REPLICATOR : Instantaneous and configurable data replication through the network on an independent storage box

WEB REMOTE ACCESS : Remote and secure connection to the Terabox through the web, with different levels of compression for quick viewing

QUALITY CONTROL : Correction of discrepancies between acquired images and patient information associated with those images

Ability to auto-match Patient and Study information from the Worklist or PACS, as well as to manually correct errors

Specifications

ULTIMA DICOM SOFTWARE

Fully DICOM 3.0 compliant & provides the following DICOM services:

- Verify SCU/SCP
- Store SCU/SCP
- Query/Retrieve SCU/SCP (C-GET/C-MOVE/C-FIND)
- Storage commitment SCP
- IHE compliant

HP SERVER PROLIANT ML350p G10 OR EQUIVALENT

- RAM: 16Go (or more)
- Windows Server 2016 (or more recent)
- Microsoft SQL Server 2016 Express

Hardware Configuration

- Patients' data and database installed on hard drives configured in RAID 6
- Operating system installed on 2 hard drives configured in Raid 1
- Automatic e-mail alert in case of hardware errors
- **Possible configurations:**

Model	Storage capacity with lossless compression
Ultima A075	7.5 TB usable
Ultima A100	10 TB usable
Ultima A150	15 TB usable
Ultima A200	20 TB usable
Ultima A300	30 TB usable



Ultima Terabox, distributed by Medsquare

DICOM Software, powered by our partner MPTronic

CE Medical Devices 93/42/EEC

Medsquare, 17 rue du Jura, 75013 Paris, FRANCE
W medsquare.com E contact@medsquare.com T + 33 (0)1 55 25 62 50

© 2020 Medsquare SAS - All rights reserved.

Medsquare SAS reserves the right to modify the design and specifications described in this document at any time without notice.

FP01us/02-sep20