



ROBOT

AUTOMATIC BURNING AND LABELING
OF PATIENT CDS AND DVDS

THE HANDS-FREE CD CREATION





FLEXIBILITY IN PATIENT DISC PUBLISHING

iQ-ROBOT is a convenient robot solution for managing the burning and printing of patient CDs and DVDs from any modality or workstation using PRIMERA* robot systems.

iQ-ROBOT is a family of medical media writer software products designed to attend to the needs of imaging centers of any size and data volume. The media created with iQ-ROBOT are compatible with IHE PDI and DICOM-CD regulations, enabling any recipient of optical imaging media to easily read or process the contained information.

Additionally, a copy of the unique iQ-LITE viewer is included in all created discs, offering patients or physicians the possibility to view the images at their own computers, without having to install any medical specialized software. iQ-LITE offers multiple unique features, e.g. to display data of virtually any modality even on low performance

computers. It includes features like various measurements, multimonitor support, AVI export and the possibility to customize the header of the viewer, e.g. with advertisement of the imaging center.

iQ-ROBOT guarantees an optimal performance even when using affordable CD-ROBOT hardware.

* Primera is a Trade Mark of PRIMERA Technology Inc.

The **BASIC version** works as an optional module of iQ-VIEW (version 2.6 or higher) allowing users to easily select multimodality imaging studies and structured reports, even from different patients, to output them on a CD or DVD.

iQ-ROBOT PRO can in addition receive data from any DICOM modality simultaneously, e.g. DICOM archives, DICOM devices or any DICOM viewer. iQ-ROBOT PRO collects such data and automatically creates DICOM media either sorted by study, by patient visit (grouped procedure) or by patient. iQ-ROBOT PRO supports different burning/printing profiles. These profiles can be linked to a virtual application entity title (called AE title). Then, when data is received on a certain virtual AE title, iQ-ROBOT individually applies the pre-defined profile settings for this virtual AE title, e.g. print quality, patient information source (DICOMDIR or DICOM files), label design, storage media application profiles (STD-GEN-CD/ DVD, STD-GEN-DVD-J2k/ JPEG2000), DICOM viewer to be included, number of copies, preferred device, single or multisession disc (Close media), automatic project source clean up, and kind of medium to burn on.

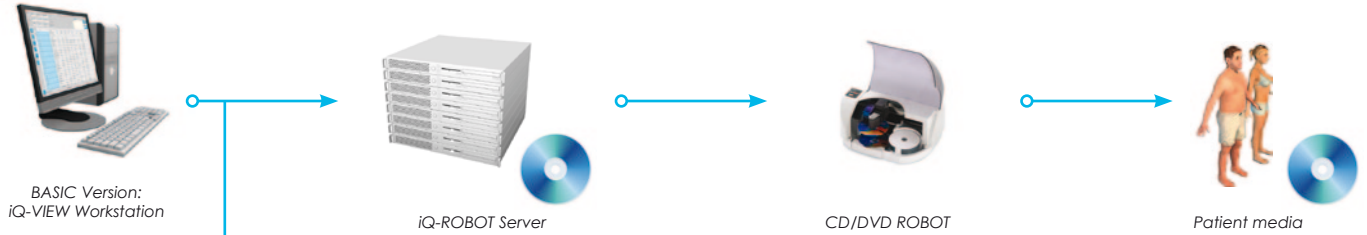
The **PREMIUM version** provides, in addition to the other versions, a backup function whereby iQ-ROBOT collects data to be stored and creates portable optical archive media, e.g. CD-R or DVD-R. The schedule for creating backup media may be flexibly configured: e.g. after having received enough data to fill a whole CD or DVD, on selected days, weekdays or at a desired time.

Each iQ-ROBOT can support separate print layouts; this is an especially important feature for imaging centers which create patient CDs/DVDs for multiple institutions. The print layout can be configured individually for every desired output, such as logos and graphics, patient demographics, study data incl. body part examined or the media creation date. Additionally, fonts, colors, sizes and locations on the disk can be customized.

***THE SOLUTION
CAN BE SO SIMPLE***



iQ-ROBOT WORKFLOW (BASIC, PRO & PREMIUM)



*iQ-VIEW (2.6 or higher) creates a CD Project and stores it in a shared folder. **iQ-ROBOT BASIC** receives the burn job from **iQ-VIEW** and starts writing and printing media automatically.*



BASIC Version:
iQ-VIEW Workstation



***iQ-ROBOT PRO** can receive burn jobs from any DICOM compatible device, e.g. viewers, devices or any PACS.*



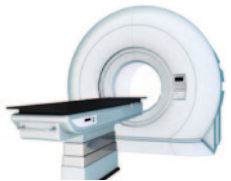
PRO Version:
Workstation e.g. iQ-VIEW



Modality



PREMIUM Version:
PACS, e.g. iQ-WEBX



Modality

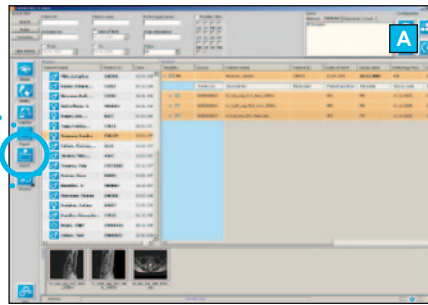


***iQ-ROBOT PREMIUM** can in addition archive data to optical offline media fully automatically, due to its unique backup functionality.*



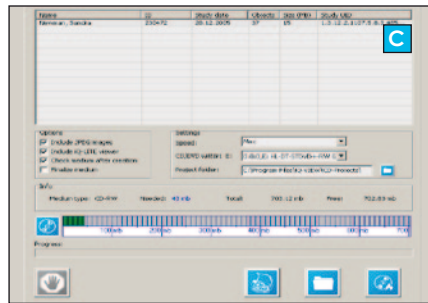
Offline optical archive

iQ-ROBOT IN ACTION

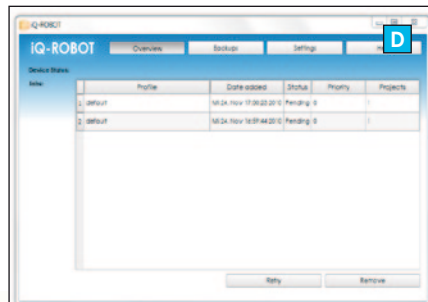


A In order to create a project from your viewer, e.g. iQ-VIEW 2.6, just select the studies to be burned to the portable medium and click on the export button.

B Afterwards, select "Export to medium" and the "medium creator" dialog opens.



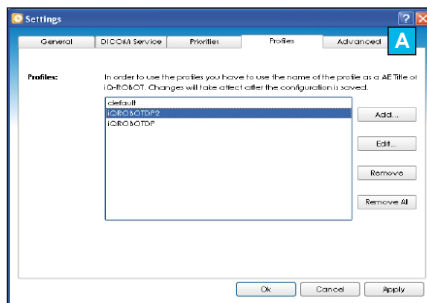
C Press the "iQ-ROBOT" button. A temporary folder will then be created in the given directory path. Afterwards the project creation is finished.



D Automatically, the entire content and labeling information is transferred to iQ-ROBOT, which will manage the burning, printing and labeling by the robot device.



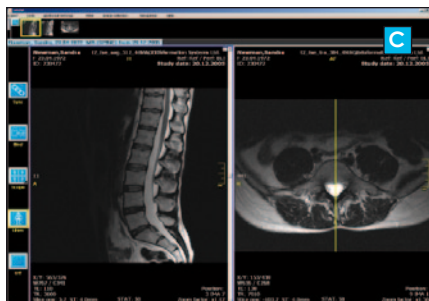
iQ-ROBOT SCREENSHOTS



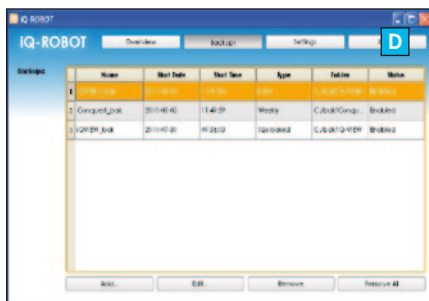
A iQ-ROBOT PRO allows for easy configuration of burning and printing profiles by linking to called AE Titles. This way, it is possible to customize the device to be used, the labeling, the print quality, application profiles, the lite viewer to be included, etc...



B iQ-LITE is a multimodality DICOM Viewer, which is included in every created medium. Its Study Browser allows a clear overview of the studies contained in the media. Its header is fully customizable with the image of the respective institution.



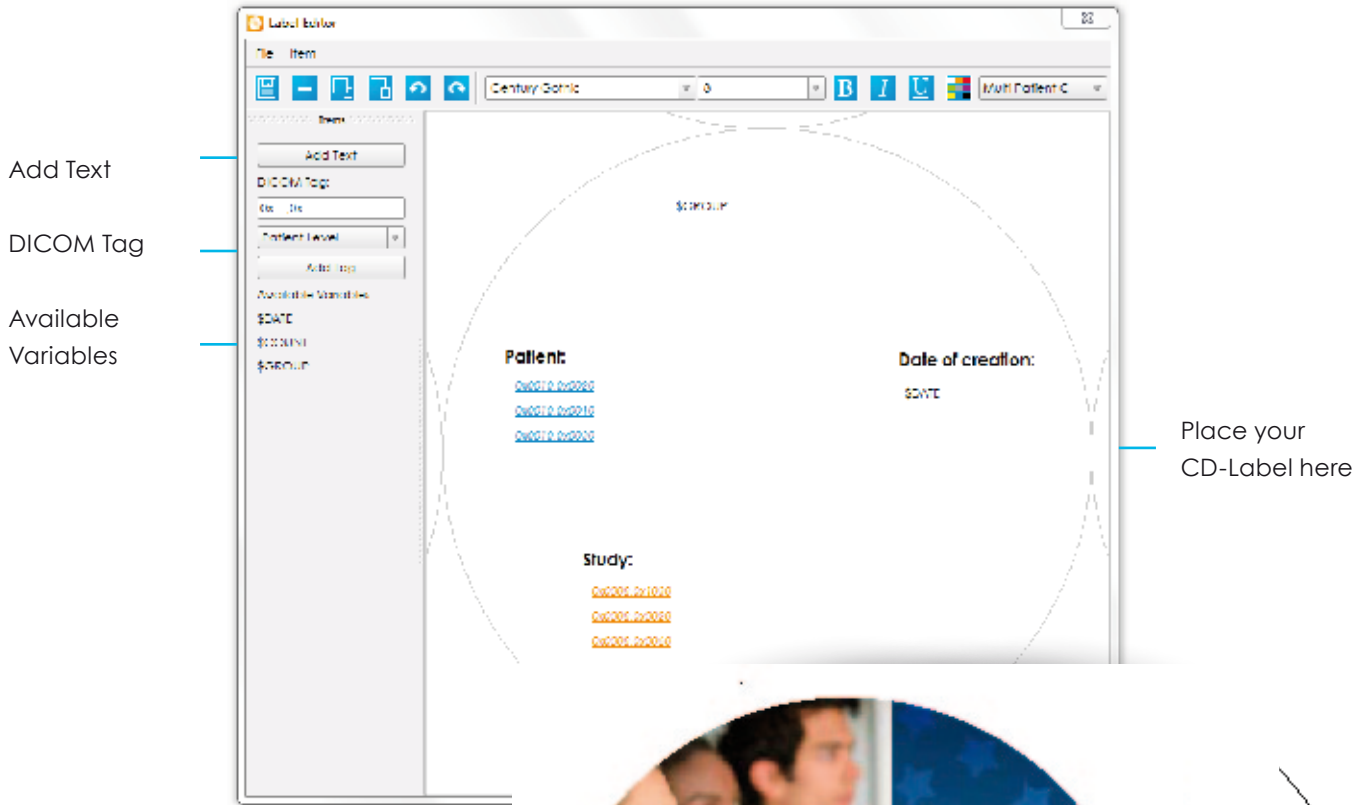
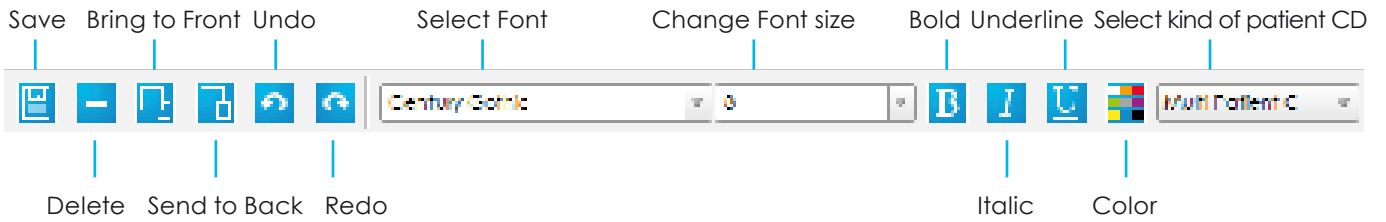
C The multilingual iQ-LITE Viewer is based on the iQ-VIEW technology and offers all important tools (e.g. measurements, cutting lines, etc..) for the visualization of medical images.



D The Backup function, included in iQ-ROBOT PREMIUM, allows the creation of an offline archive by fully automatically burning the data to be stored to optical media e.g. at user-defined intervals.



iQ-ROBOT LABEL EDITOR



Space for Institution name, patient name, study date, kind of study and more

iQ-ROBOT PRO includes a full-featured editor for the easy customization of CD/DVD labels. It allows the free definition of graphics as well as patient and study data to be printed. Many characteristics and DICOM tags to be printed can be defined by the users.



iQ-ROBOT BASIC FEATURES

GENERAL

- User interface with detailed status overview
- Unlimited number of connected iQ-VIEW (Version 2.6 or higher) stations
- Support of one robot device per license
- Support of virtually any modality incl. radiology, nuclear medicine, ultrasound, endoscopy and more
- Job management (queue for disk creation tasks)

BURNING MEDIA¹

- Burning on CD-R, CD-RW or DVD±R, DVD±RW, DVD±DL
- Multiple studies on one CD
- Fully automatic CD/DVD burning within the LAN
- Support of all Primera robot devices that are compatible with Primera SDK 3.0: Disc Publisher SE, Disc Publisher XR, Disc Publisher XRP, Disc Publisher II, Disc Publisher Xi, Disc Publisher 4101 and 4102

PRINTING OUTPUT

- Fully automatic printing process
- Flexible label editor feat. Undo and Redo
- Customizable labeling of CDs and DVDs with any DICOM tag (patient and study information, font size, position, color, font type)
- Country-specific date format

CD/DVD-VIEWER

- Multimodality iQ-LITE viewer available in 12 different languages
- Zoom, pan, measurements
- Synchronization of multiple series
- Print, export to file as BMP, TIFF, JPEG, AVI
- Display of structured reports
- Customizable header in the user interface
- Export to AVI
- Dual monitor support

LANGUAGES

- English, German, Spanish

LANGUAGE SUPPORT

- UNICODE support for media labeling including Asian languages

***iQ-ROBOT PRINTS
TO THE CENTER OF DISCS
COMPETITORS CANNOT
PRINT TO THE CENTER***

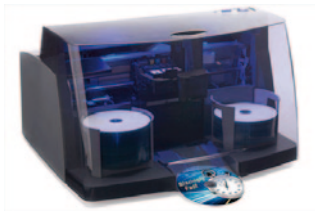


¹ iQ-ROBOT does not include any hardware or operating systems.

iQ-ROBOT COMPATIBLE DEVICES

We recommend the following Robot devices:

- Disc Publisher 4101: for mid size imaging centers up to 100 CDs or 50 DVDs per day.
- Disc Publisher 4102: for large imaging centers up to 200 CDs or 100 DVDs per day.
- Disc Publisher SE: for small centers up to 20 CDs or DVDs per day.



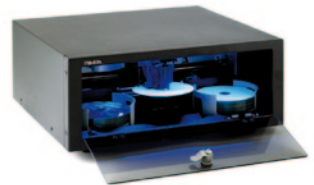
Disc Publisher 4101 and 4102



Disc Publisher SE



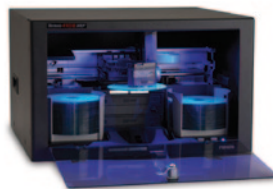
Disc Publisher Xi



Disc Publisher XR



Disc Publisher II



Disc Publisher XRP

iQ-ROBOT PRO FEATURES

IN ADDITION TO iQ-ROBOT BASIC FEATURES

GENERAL

- Simultaneous reception of DICOM data from several DICOM nodes, e.g. viewers, devices or any PACS
- Setting definitions using pre-defined profiles
 - Print quality
 - Patient information source (DICOMDIR or DICOM files)
 - Label design
 - Storage media application profiles (STD-GEN-CD/DVD, STD-GEN-DVD-J2k/JPEG2000)
 - DICOM Viewer to be included
 - Number of copies
 - Preferred device to be used
 - Single or multisession disc (Close media)
 - Automatic project source clean up
 - Kind of medium to burn on
- Support of an unlimited number of profiles and institutions
- Existing profiles can be copied and modified
- CD creation depending on either the same patient ID (patient disc), accession number (disc per visit or grouped procedure), study instance UID (study disc), multiple study instance UIDs (multipatient discs) or incoming DICOM objects (BasicTextSR, EnhancedSR, EncapsulatedPDF, ComprehensiveSR or MammographyCADSR)
- Queue jump for prioritized DICOM nodes
- Check for updates button

iQ-ROBOT PREMIUM FEATURES

IN ADDITION TO iQ-ROBOT PRO FEATURES

GENERAL

- Customizable, automatic backup functionality
(Daily, weekly, monthly or based on the media storage volume size)



SYSTEM REQUIREMENTS

HARDWARE & SOFTWARE REQUIREMENTS

	MINIMUM	RECOMMENDED
OS:	Windows Server 2003 SP2	Windows 7 Professional
DICOM Viewer:	iQ-VIEW 2.6 (only for iQ-ROBOT BASIC)	iQ-VIEW 2.7
CPU:	Pentium, 1 GHz	Pentium, 2 GHz
RAM:	512 MB RAM	1 GB RAM
HDD:	40 GB free hard disc space	80 GB free hard disc space
Network:	1 Mbit/s	100 Mbit/s
USB:	USB 2.0	USB 2.0
Display:	15" monitor with 800 x 600 pixels resolution	17" monitor with 1024 x 768 pixels resolution or higher
Hardware:		Dell hardware

OUR PRODUCTS FOR YOUR IMAGING NEEDS



iQ-SYSTEM PACS
iQ-NUC
iQ-RIS
IMAGE DISPLAYS
iQ-CR ACE

The full featured, reliable and affordable PACS
Complete package for nuclear image processing
The smooth radiology information system
Medical diagnostic displays
Efficiency in Computed Radiography