

Rimage 5300N and 5100N

The new Rimage 5300N and 5100N digital publishing systems are shared network devices that automate the data recording and surface printing of CDs, DVDs and Blu-ray Discs™ (BD). The disc content and printed artwork can be unique for each disc and is published through a process as easy and intuitive to use as a networked printer.



Figure 2 Rimage 5300N

Overview

The 5300N/5100N incorporate Rimage’s ten-year experience with making thousands of digital publishing systems for front office and back office environments. These state-of-the-art systems represent the latest advances in CD/DVD/BD publishing technology. New design advances ensure:

- That the disc content and printed artwork always match and is the highest quality
- The disc publishing process is easy to use in an office environment
- And the uptime and serviceability are second to none.

Rimage now offers a full range of choices for the office, medical clinic and studio user. The new enhanced front office product family, called the Professional Series, represents a step-up in performance from desktop products and complements the highest performance Rimage Producer III systems. These new 5300N/5100N systems offer significant performance, footprint, serviceability, output quality, durability and usability advantages over traditional desktop CD/DVD burners. Built for the duty cycle of an office environment the 5300N/5100N systems offer the same high quality full color thermal retransfer printing and intelligent appliance design as Rimage’s highest performance production systems, the Producer III 8100/7100.



Figure 1 Rimage 5100N

Brand Focus

Rimage

Category	Producer	Professional	Desktop
Model Numbers	8100/8100N 7100/7100N	5300N 5100N	2000i

The new 5300N/5100N systems expand the range of front office Rimage solutions by complementing current DiscLab and Amigo systems. The 5300N adds a second media input bin while the 5100N provides a simple one recorder, one bin configuration.

Model	# of Recorders	Input Bins
• 5300N	2 CD/DVD/BD	Two 50 media bins
• 5100N	1 CD/DVD/BD	One 50 media bins
• DLN5200	2 CD/DVD	One 50 media bins
• Amigo	1 CD/DVD	Three 100 media bins

The 5300N/5100N is also available as digital publishing appliance solutions for medical and retail market specialization.

Segment	Vertical Market Brand	Model Numbers
Medical	Medical Disc System	MDS-5300N, MDS-5100N
Retail	DiscLab	DL-5300N, DL-5100N

The 5300N/5100N's unique serviceability features were created to support an easy exchange of parts that most frequently need replacement in front office environments. The recorders and disk drives are easily removable without tools and the recorders are pre-aligned for fast and reliable replacement. Both systems' side panels are easily removable for servicing. The media bins and printer ribbons are conveniently located for quick and simple consumable replacement.

The 5300N/5100N come standard with the Everest III printer for the highest quality color disc printing. The 5300N gives the flexibility to simultaneously produce two different media types (DVDs, CDs and Blu-ray discs) in one system with less frequent manual physical media changes. The 5100N supports one recorder and one input bin.

Both models have the same high performance Embedded Control Center, designed with capacity to run the Rimage system software and a bundled solution application. The dual 250 GB hard disks provide a large fixed disk storage capacity controlled by hardware enabled RAID 0. RAID 0 technology is best for digital publishing applications because the data transfer is striped across both connection paths to the disk drives. The result is much better write performance than servicing the disks sequentially as independent drives. In addition, the total disk capacity of 500 GB can be used in aggregate, for example by partitioning a C: drive at 40 GB for the system files and the remaining 460 GB as the D: drive for imaging.

The 5300N's dual input bins provide flexibility for loading two different types of media, enabling a mix of requirements:

- A studio, corporation, educational or professional services environment may require the 5300N to have one recorder and input bin set for Blu-ray high capacity archiving jobs, while the other recorder and bin are set up for standard CD or DVD applications. Typical applications include video development and editing, digital content distribution and archiving multiple versions of work in progress.
- In its Medical Disc System (MDS) configuration the MDS-5300N supports a bin for patient CDs and a bin for DVD or Blu-ray archive discs. Typical appliance solutions may include bundled software radiology software for Picture Archiving and Communications System (PACS), Digital Imaging and Communications in Medicine (DICOM) CD output and offline CD/DVD/BD archiving.
- In retail configurations the DiscLab DL-5300N can simultaneously accept a photo CD job and a hybrid DVD job of music, photos and video, all in the same system without changing the media.

The 5100N features a small footprint with a powerful processing engine to open new opportunities in medical and video production markets.

- For medical, the MDS-5100N provides an economical all-in-one solution as a modality-attached digital hard copy output device. Examples include patient records on CDs, DICOM CD output of radiology images, and CD/DVD output of other modality images such as mammography or cardiology.
- In video production markets the 5100N provides the right footprint and quality for personalized content and branding in all phases of the video development process

The 5300N/5100N operate with a new release of Rimage software, called Release 7.4. See the Product Announcements for Release 7.4 for more information on the software features.

Performance

The 5300N/5100N with Release 7.4 form a digital publishing system targeted at mid-range CD, DVD and Blu-ray publishing and duplication applications. These systems meet a wide variety of performance requirements.

The two-drive 5300N system typically has the following throughput performance:

- An average user producing 20-200 discs per day
- 15 DVDs published per hour with unique content and printed surface
- 32-50 CDs per hour
- Fastest possible first CD or DVD out

The one-drive 5100N system typically has the following throughput performance:

- An average user producing 20-100 discs per day
- 7 DVDs published per hour with unique content and printed surface
- 16-25 CDs per hour
- Fastest possible first CD or DVD out

Actual throughput results will vary depending on the amount of data recorded on the disc, the print pattern, whether the data content constantly changes (publishing) or remains the same (duplication) and other content or imaging variables.

Target Markets

Key markets for the 5300N/5100N on-demand digital publishing systems include corporate offices, audio visual producers, medical centers, radiology clinics and retail stores.

Business Services – 5300N and 5100N front office appliances

Corporations, education, religious organizations, professional services, government and non-profit organizations use digital content to:

- Build new businesses
- Inform, train and educate employees and customers
- Deliver products and services to their customers

Digital publishing with the Rimage 5300N/5100N is an efficient and reliable method to deliver an attractive digital hard copy disc, with a high impact brand on the disc surface. These systems

can be seamlessly integrated into workflow across many applications, some of which are listed in the following table.

	Content Delivery	Audio/Visual	Archiving
Duplication and Publishing	<ul style="list-style-type: none"> Service bureau creating 200-1,000 discs per job 	<ul style="list-style-type: none"> CD/DVD fulfillment 	
Corporate	<ul style="list-style-type: none"> Replace tapes or large print catalogs Software programs, updates delivery Electronic Data Discovery fulfillment 	<ul style="list-style-type: none"> Multimedia presentations Training videos VHS tape to DVD conversion 	<ul style="list-style-type: none"> Provide off-site and long-term archiving Software source code archival
Media Services Broadcasters Entertainment	<ul style="list-style-type: none"> Small shops video production Video game beta tests (BD discs) Content re-purposing through web fulfillment 	<ul style="list-style-type: none"> Development process Test discs Pre-release discs 	<ul style="list-style-type: none"> Archive versions of work development
Education	<ul style="list-style-type: none"> Remote education program delivery 	<ul style="list-style-type: none"> Distance learning & training Virtual campus tours 	<ul style="list-style-type: none"> Student health & education records archive
Government	<ul style="list-style-type: none"> Digital manuals 	<ul style="list-style-type: none"> Training 	<ul style="list-style-type: none"> CCTV security archival Computer forensic services
Religious	<ul style="list-style-type: none"> Automated web fulfillment ordering process 	<ul style="list-style-type: none"> Recorded service delivery 	<ul style="list-style-type: none"> Store back catalog
Professional Services - Legal - Advertising	<ul style="list-style-type: none"> Litigation support to deliver data sets Disc delivery of rich-media information 	<ul style="list-style-type: none"> Workflow integrated DVD disc pre-production 	<ul style="list-style-type: none"> Automatic large file or large volume record/restore

Rimage supports many 3rd party solution providers who have integrated the Rimage system with software or hardware solutions to address needs for information protection, digital asset management, document management, document distribution, storage, video workflow and web fulfillment. For example, 5300N/5100N systems used in an audio/visual business workflow process might include video production, audio integration, editing, document management, archiving and distribution. The Rimage Application Programming Interface (API) has become the industry standard for integrating these solutions around Rimage's digital publishing systems.

Medical Centers, Hospitals, Imaging Clinics – Medical Disc System

Rimage provides the most trusted system for fast, reliable patient CD and DICOM diagnostic study output and distribution. The Medical Disc System MDS-5300N/MDS-5100N provides fast, accurate disc production and seamless integration with multiple modalities including MRI, PET/CT, Mammography and Ultrasound. Used directly with modalities the Medical Disc System replaces print/film and print/paper output with digital CD/DVD hard copy. The disc becomes a convenient method to transport images to referring physicians or to carry the patient's health record information.

The Medical Disc Systems provide the front-office reliability and serviceability required in medical environments. The MDS-5300's dual input bin provides the media capacity and flexibility for storing low resolution images or smaller patient data records on CDs while simultaneously publishing more dense data images on higher capacity DVD discs.

The Rimage software in both systems is designed to produce the first disc in the shortest possible time to ensure a minimum of waiting for the information.

Retail – DiscLab appliances

The DiscLab DL-5300N and DL-5100N enable retailers to manage the in-store production of digital photos, video and music. Many retailers are looking to participate in consumer interest in

enriching traditional photos with video and music. CDs and DVDs help stimulate the convergence of customized on-demand content by complementing on-line services. Retailers are now interested in offering in-store kiosks where consumers input photos and video from their camera's or phone's memory stick, and mix the content with music to publish a custom DVD.

The Rimage DiscLab DL-5300N becomes the heart of this "Digital Manufacturing Center" to reliably publish the consumer's information on CDs or DVDs with a high quality color printed disc.

Key Benefits

The 5300N and 5100N are ideal all-in-one solutions for archiving, publishing, duplicating or distributing critical digital information. The 5300N/5100N provide a step up from desktop systems in overall design, performance and printing.

Key overall benefits include:

- Flexibility to produce CDs, DVDs or Blu-ray discs in one system with less frequent physical media changes between types
- Very high quality color printed disc surface with Everest printing, customized to promote unique branding and value of the disc's contents
- Embedded control center with fast performance and processing capacity for all-in-one solutions
- Fastest first disc out minimizes waiting for information
- Enclosed cabinet protects media from environmental conditions
- Designed for front office serviceability and easy consumables replacement

With the 5300N/5100N front office users can easily produce discs on a project basis through the QuickDisc™ project wizard interface or more tightly integrate the systems in a production workflow using Rimage's API. The systems are designed to meet a wide variety of demands on the number of discs needed to be produced per job, per day or per year, all with the same high degree of reliability and quality output.

The dual recorder and dual bin 5300N provides additional benefits by enabling:

- A Blu-ray recorder and Blu-ray media in one bin with a standard recorder and either CDs or DVDs in the other bin
 - this configuration balances the longer recording times of the Blu-ray system
 - archiving to the higher cost Blu-ray media can be done occasionally while also using the Blu-ray to record on standard CD or DVD media
- Less media changing between CDs/DVDs/Blu-ray in mid-job for longer unattended operation
- The flexibility and scalability to efficiently handle multiple projects simultaneously

The 5100N's user friendly, compact 20" height, small footprint and economical design expands digital publishing into new video production and medical applications.

- Boutique video editing or post-production houses now can replace their Sharpie™-written disc labels with eye-catching and brand enhancing color printed discs when exchanging video files with co-workers or other companies in the design process

- Archiving multiple versions of massive video files can easily be accomplished by publishing the data to DVDs or Blu-ray discs and holding the information offline to free up expensive hard disk storage

A Rimage 5300N or 5100N enables users to produce a high quality, customized disc that:

- Can improve customer awareness and sales by more effectively communicating the brand message
- Delivers content more effectively by replacing outmoded hard copy catalogs with more accurate and timely CDs and DVDs
- Improves operations efficiency through web fulfillment of digital content for better customer service and customer satisfaction
- Makes compliance related operations for archiving or electronic data discovery more efficient by easily publishing the information to discs

Availability

The 5300N is in production while the 5100N will be in production in July 2007. The Blu-ray configurations are planned to be available in July 2007.

Pricing

Model	United States MSRP
5300N with 2 CD/DVD	\$17,500
5300N with 1 CD/DVD, 1 BD	\$19,000
5300N with 2 BD	\$20,500
5100N with 1 CD/DVD	\$10,500
5100N with 1 BD	\$12,000

The price includes Software Suite Release 7.4 and a 12-month limited hardware warranty.

This price does not include a monitor/keyboard/mouse option which is separately available.

Warranty and Support

The 5300N/5100N offers a limited 12-month hardware warranty. (Please see the product warranty for details)

The 5300N/5100N maintenance agreement options include:

- Same Day On-site
- Next Business Day On-site
- Second Business Day On-site
- Rapid Exchange
- Software Maintenance agreement

Software maintenance is included on Same Day, Next Business Day, Second Business Day and Rapid Exchange Maintenance Contracts. Maintenance pricing will be available in the updated price list.

For new systems with valid end user activation Rimage will provide software service packs as it considers necessary during the one-year warranty period. The End User License Agreement warrants that the software complies with documented features.

Installed equipment access to later software releases is available only under a current Rimage Hardware or Software maintenance agreement.

Packaging

The 5300N/5100N ships as one pallet with the printer, publishing system, documentation and accessories in separate boxes.

Hardware And Software Requirements

The 5300N/5100N is installed using a network attached PC or by attaching a video monitor, keyboard and mouse. The network attached PC connects to the embedded control center's Ethernet port.

The 5300N/5100N requires Software Release 7.4.

A video monitor, keyboard and mouse package is available separately from Rimage.

Business and Sales Assistance

Contact Rimage Inside Sales at 866.587.5903 for assistance in ordering a Rimage Hardware or Software Maintenance Agreement or to arrange an in-person demonstration.

Literature

Information on the Rimage 5300N/5100N is available on the web site of www.Rimage.com.
Software information

- Software Suite Release 7.4 External Product Announcement

Recently updated and new brochures relating to the 5300N/5100N include:

- 5300N and 5100N
- Medical Disc System
- Digital Manufacturing Center

Press releases include:

- 6/12/07 Rimage announces availability of new Professional Series
- 3/12/07 Rimage Digital Publishing Systems To Feature Faster Blu-ray Disc Production Capabilities
- 3/9/07 Critical Care for Medical Information: Rimage Launches Feature-Rich Medical Disc System
- 3/8/07 Rimage Debuts Digital Manufacturing Center at PMA '07

Presentations

- 5/18/07 5300N/5100N Introduction

- 6/11/07 Release 7.4 Software Overview

Marketing Contact

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Technical Contact

Contact Rimage Technical Support for technical support.

5300N and 5100N Specifications

5300N

Recorders:

- 2 CD/DVD recorders for 18x DVD and 48x CD recording speeds
- 1-2 Blu-ray recorders (BD) optional
- Pre-aligned and front removable recorders

Disc media capacity

- Two removable 50-disc internal input bins
- 100-disc external output bin with full bin sensor
- 5-disc output collator
- Internal bins can be configured as one input and one output

Physical

- Height 29.25 inches Width (base) 12 inches
- Depth 24 inches
- Weight 109 lbs

Rimage 5300N



5100N

Recorders:

- 1 CD/DVD recorder for 18x DVD and 48x CD recording speeds
- 1 Blu-ray recorder (BD) optional
- Pre-aligned and front removable recorders

Disc media capacity

- 50-disc internal input bin capacity
- 75-disc external output bin

Physical

- Height 20 inches Width (base) 11 inches
- Depth 24 inches
- Weight 84 lbs.

Rimage 5100N



5300N and 5100N

Printing

- Everest III color thermal re-transfer printing
- 170 lines per inch resolution (300x600 dpi best mode)

Control Center

- Embedded Control Center including:
 - 1 Gigabit Ethernet interface
 - Intel Core 2 Duo processor, 1.8 GHz
 - 1 GB of RAM
 - Two removable 250 GB hard disks configured for RAID 0
 - Microsoft Windows XP Pro Embedded

Software

- Software Suite 7.4 including:
 - QuickDisc disc creation
 - CD Designer to create disc surface text and images
 - Rimage System Manager
- Software Suite 7.4 features include:
 - Adaptive streaming
 - Networking
 - Disc spanning

Note: Specifications are subject to change without notice.