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# Virtua<sup>®</sup> E and Virtua<sup>®</sup> C

Medical Disc Publisher

EN - English

## Documentation Notice

Codonics Products are Class I products intended for use by Healthcare Professionals. Products packaging and labeling, including Graphic User Interface (GUI) for operation are Offered in English and meet MDR, Annex I, Chapter III, 23.4, taking account the training and the knowledge of the potential user.

\*Web information, Key Specifications, Intended Use, User manual Appendix, Quick Start Guide & Setup IFU are available in simple translation Member State Languages; primary IFU are available in English

## Overview

Virtua E and Virtua C are the perfect, economical, easy to use, image distribution accessories for any modality. Its compact design features an advanced processor for receiving and managing studies, a robotic disc recorder and printer, and a user-friendly web interface. A table-top touch screen is included with the Virtua E model only. The built-in printer produces brilliant, full-color disc labels that include patient demographics and the facility's address and logo for marketing. Customers can create their own custom labels or use Codonics disc label design service offered exclusively to our customers.

## Specifications

Media Input: One 20-disc input bin

Media Output: One 25-disc output bin

Optical Drive: One CD/ DVD drives

Recordable Formats: CD-R, DVD-R

Label Print Technology: Inkjet

Print Resolution: Up to 4800 dpi

Ink Cartridge: One tri-color cartridge

User Interface:

15" LCD touch screen (Virtua E only)

Remote web browser access using Internet Explorer®

Performance: Up to 25 CDs per hour, 10 DVDs per hour (based on a typical clinical study and network configuration)

Processor: Intel®Celeron®G3900

Data Storage: 40 GB

Interface: 10/100Base-T/Gigabit Ethernet (RJ-45)

Network Protocols:

DICOM Store SCP

DICOM query/retrieve (optional)

HTTP Web Server (for remote control and configuration)

Smart Drive: USB flash drive for storing configuration data

Power: Universal Input: 100-240VAC, 50/60 Hz, 175VA (rated power)

Dimensions: 10.5" (26.7 cm) H, 18.2" (46.2 cm) W, 21.7" (55.1 cm) L

Weight:

Virtua E: 43 lbs. (19.3kg.)

Virtua C: 32 lbs. (14.6kg.)

Regulatory:

Full medical device compliance including Class 2 FDA and Class I MDR 2017/745/EU (CE), GMP/QSR, ISO 13485:2016/NS-EN ISO 13485:2016, Electrical Safety IEC 60601-1 Ed. 3.1 and EMC/EMI: FCC Class B and IEC 60601-1-2: Ed. 4 for Professional Healthcare Facilities

## Product Information

For technical assistance with the Virtua, call Codonics Technical Support at the following number:

Phone: +1.440.243.1198

Toll Free: 800.444.1198 (USA only)

Technical Support is available anytime. Technical Support is also available online via email and the Codonics web site:

Email: [support@codonics.com](mailto:support@codonics.com)

Web Site: [www.codonics.com](http://www.codonics.com)

General product information can also be requested by sending email to:

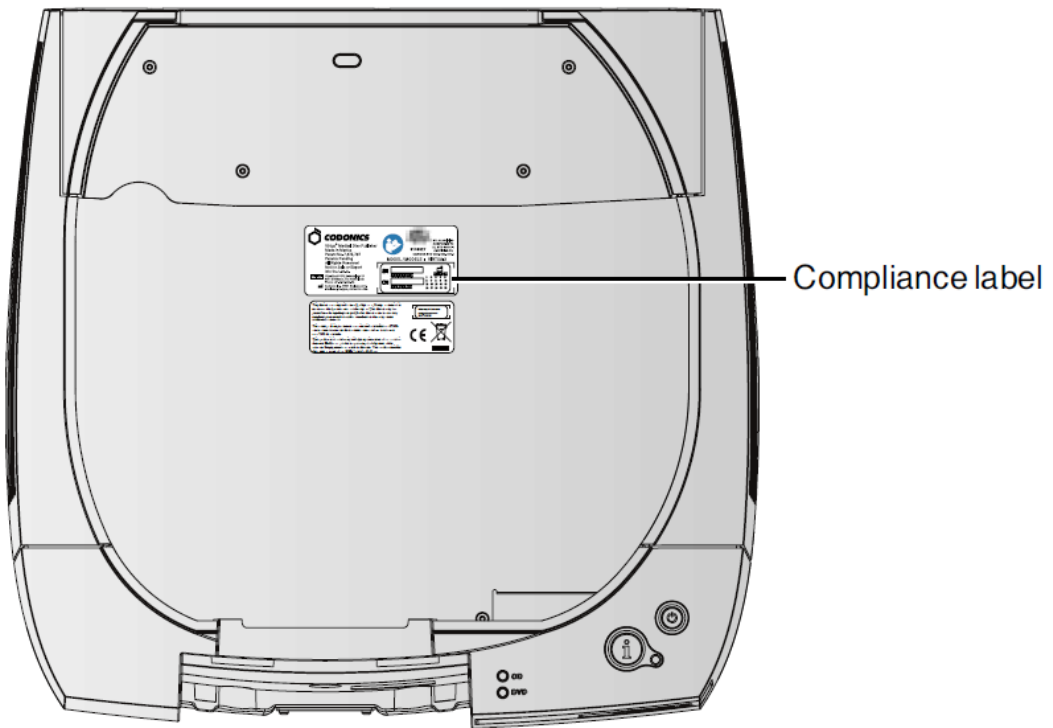
Email: [info@codonics.com](mailto:info@codonics.com)

Please include your postal mailing address and telephone number in the email message. Basic product information is returned via email unless otherwise requested.

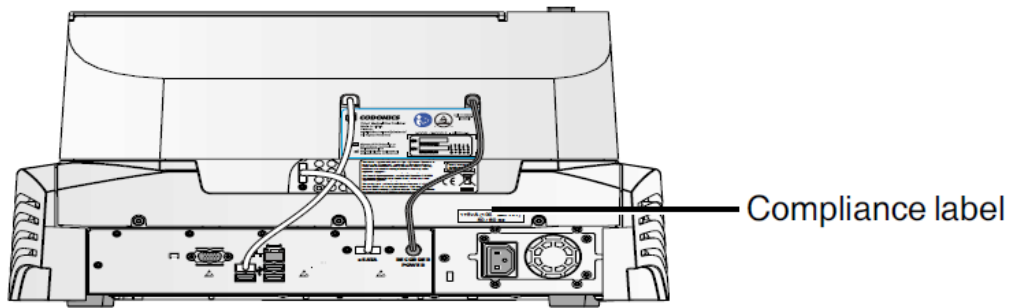
## Warnings and Limitations of Use

### Location of Safety and Compliance Labels

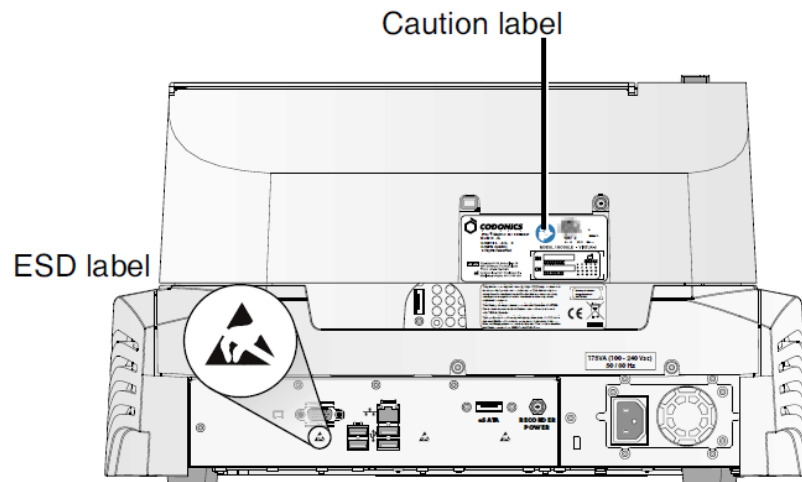
The following figures show the locations of the imager's safety and compliance labels.



*Location of compliance label at top of Controller*



*Location of compliance label at rear of Recorder*



*Location of ESD labels and caution safety labels*

### Voltage Warning

The exclamation point within an equilateral triangle and person reading a manual symbol are intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying this device.



NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. REMOVAL OF LABELS, COVERS, OR ENCASUREMENT FASTENERS VOIDS THE WARRANTY.

**WARNING** Do not modify this equipment without authorization of the manufacturer

THIS APPARATUS MUST BE ELECTRICALLY GROUNDED.

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS IMAGER TO RAIN OR MOISTURE.

**WARNING** The power cord plug is the main disconnect for the device. The power outlet should be near the device and be easily accessible.

**WARNING** Remove the power cord plug from the power outlet to disconnect overall power to the device.

**WARNING** Grounding reliability can be achieved only when this equipment is connected to an equivalent receptacle marked "Hospital Only" (that is, "Hospital Grade").

**WARNING** To avoid risk of electric shock, this equipment must only be connected to a supply mains with protective earth.

**WARNING** Do not touch a patient while also accessing Virtua internal components that are under the front cover.

EQUIPMENT IS NOT TO BE USED AS A COMPONENT OF A LIFE SUPPORT SYSTEM. Life support devices or systems are devices or systems that support or sustain life, and

whose failure to perform can be reasonably expected to result in a significant injury or death to a person. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness

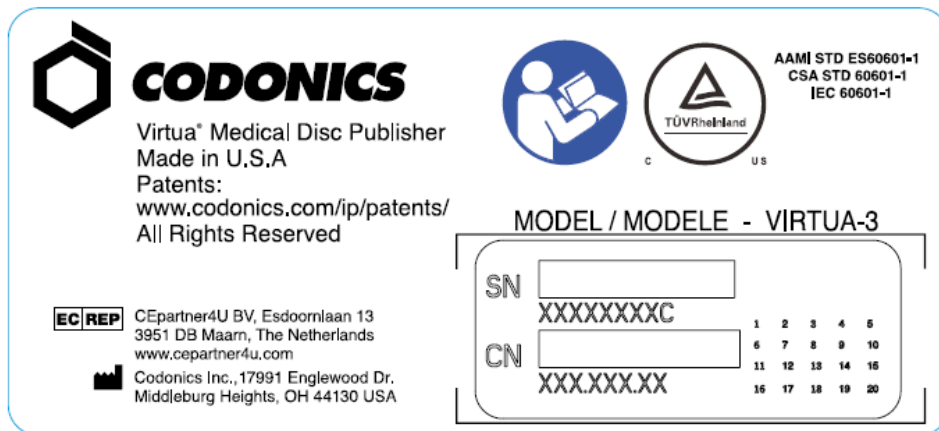
### Laser Warning

The Codonics Virtua Medical Disc Publisher contains a laser diode in the Recorder unit of a class higher than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel. The following label appears inside your unit:

**CLASS 1 LASER PRODUCT LASER KLASSE 1**

### Compliance

The Compliance label for the Virtua-E and Virtua-C models, which is affixed to the top of the Controller is shown below.



*Compliance label for Virtua-C and Virtua-E models*

### Serial Number, Configuration, Date Code, and Modification Codes

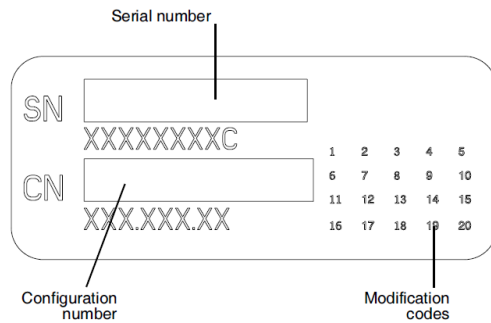
The serial number label is placed onto the compliance label. Serial number labels are also located at the front of the Recorder and Controller, behind the output bin.

The serial number label includes the following information:

- The serial number (SN), which uniquely identifies the unit.
- The configuration number (CN), which details the build configuration.
- The modifications codes, which are to the right of the CN number and are a series of 20 numbers. When any of these numbers are blocked out, that identifies a modification that was made to the unit.



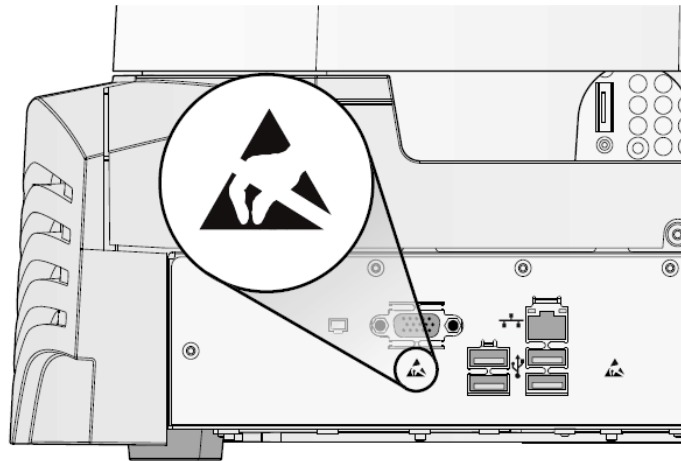
- The date code in YYYY-MM format below the factory date code symbol.



*Serial number label*

### ESD Caution

Connections to other pieces of equipment are made at the rear of the Codonics Virtua E and Virtua C Medical Disc Publisher. These connectors are marked with a precautionary ESD warning symbol, as shown below. Do not touch any of the pins of these connectors. When making connections to the device, it is best done while the device is plugged in but not powered on. ESD may cause erratic behavior of the device when powered on. Should this occur, power to the device may have to be cycled. It is recommended that all staff involved in making connections to the device be aware of these ESD precautions.



*ESD labels at rear of Controller*

### Potential for Radio Frequency Interference on Device Operation

Both portable and mobile RF communications equipment can affect medical electrical equipment, including Virtua E and Virtua C. Keep such RF communications equipment out of the immediate area.

## Potential for Radio and Television Interference

Virtua E and Virtua C generate and uses radio frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. Do not change the Display refresh rate, which is set for 75 Hz. The device has been type tested and found to comply with Class B emission limits for a computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operating in a commercial environment. Operation of the equipment in a residential area is likely to cause interference, in which case the user, at his own expense, will be required to take whatever measures may be appropriate to correct the interference. If your device does cause interference to radio or television reception, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna
- Relocate the device with respect to the receiver

If necessary, you should consult Codonics Technical Support or an experienced radio/television technician for additional suggestions. You may find the following booklet prepared by the Federal Communications Commission helpful: How to Identify and Resolve Radio-TV Interference Problems. This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

This product is in conformity with the protection requirements of EC Council directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility. This product satisfies the Class B limits of EN55011. A declaration of conformity with the requirements of the Directive has been signed by the Director of Quality Assurance and Regulatory Affairs.

## Guidance Regarding Electromagnetic Emissions and Immunity

Suitable Environments:

- Virtua-C/E is intended for use in professional healthcare facility environments, including hospitals and medical clinics.
- Virtua-C/E has not been evaluated for use near HF surgical equipment. If use near HF surgical equipment is desired, the user is responsible for verifying proper operation of the Virtua-C/E. If Virtua-C/E does not perform correctly in this environment, move the Virtua-C/E farther from the source of the electromagnetic disturbance.
- Virtua-C/E has not been evaluated for use in emergency medical vehicles.

As a support device, Virtua-C/E does not provide essential performance.

**WARNING** Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally

**WARNING** Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic

emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

**WARNING** Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the Virtua, its cables, or accessories. Otherwise, degradation of the performance of this equipment could result.

Electromagnetic Emissions Standards and Test Levels:

<b>Test / Standard</b>	<b>Compliance Level</b>
<b>RF Emissions</b> CISPR 11	Group 1, Class B
<b>RF Emissions</b> FCC Part 15	Class B
<b>Conducted Emissions</b> CISPR 11	Group 1, Class B
<b>Harmonic Distortion</b> IEC 61000-3-2	Class B
<b>Voltage Fluctuations and Flicker</b> IEC 61000-3-3	Complies

Electromagnetic Immunity Standards and Test Levels:

Test / Standard	Compliance Level
<b>Electrostatic Discharge</b>	±8kV contact
IEC 61000-4-2	±2kV, ±4kV, ±8kV, ±15kV air
<b>Radiated RF Immunity</b>	3 V/m
IEC 61000-4-3	80 MHz - 2.7 GHz
	80 % AM at 1 kHz
<b>Proximity fields from RF wireless equipment</b>	Complies
IEC 61000-4-3	
<b>Electrical Fast Transient / Burst</b>	AC Port: ± 2 kV, 100 kHz repetition frequency
IEC 61000-4-4	SIP/SOP Ports: ± 1 kV, 100 kHz repetition frequency
<b>Surge</b>	Line-to-Line: ± 0.5 kV, ± 1.0 kV
IEC 61000-4-5	Line-to-Ground: ± 0.5 kV, ± 1.0 kV, ± 2.0 kV
<b>Conducted Immunity</b>	AC Port and SIP/SOPs:
IEC 61000-4-6	3V, 0.15 MHz - 80 MHz
	6V, in ISM bands between 0.15 MHz and 80 MHz
	80 % AM at 1 kHz
<b>Magnetic Field Immunity</b>	30 A/m, 50 Hz or 60 Hz
IEC 61000-4-8	
<b>Voltage Dips</b>	0% U <sub>T</sub> , 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°
IEC 61000-4-11	0% U <sub>T</sub> , 1 cycle AND 70% U <sub>T</sub> , 25/30 cycles, Single phase: at 0°
<b>Voltage Interruptions</b>	0% U <sub>T</sub> , 250/300 cycle
IEC 61000-4-11	

## Safety Precautions

- Never connect this device to any outlet or power supply that has a voltage or frequency different than that specified and set on the rear of the device.
- When servicing the device, always power it off by pressing the System power button, then unplug the device.
- Damage to the power cord may cause fire or shock hazard. When unplugging the power cord, hold it by the plug only and remove the plug carefully.
- If the power cord needs to be replaced, replace it only with another Codonics power cord manufactured specifically for your power configuration.

- If the device is smoking or making unusual sounds, power off and unplug the device immediately.
- Do not insert foreign objects of any kind into the device; doing so can constitute a safety hazard and cause extensive damage.
- Do not place any liquid containers on the device. If, for some reason, liquid seeps into the device, power off the device and unplug the power cord from the source outlet. If used without corrective measures, the device may be damaged.
- Do not use the device near flammable gases.
- Connect only Codonics-approved devices.

### Location Precautions

- The device's operating ambient temperature range is 15–30°C (59–86°F), with a relative humidity of 20%–80%.
- If the device is moved quickly from an extremely cold place to a warmer one, condensation is likely to form. Do not use the device if condensation has formed. Wait until the condensation has evaporated. You can speed up the evaporation time by moving the device to a drier location.
- Ventilation slots and holes are provided on the sides and rear of the device. Place the device on a level, stable surface and locate it at least 10 cm (4 in.) from walls to ensure proper ventilation.
 

**WARNING:** Adequate ventilation is required for proper operation of the device.
- Do not place device in a high humidity or high dust area. Airborne dirt particles can cause interference with the operation of the device. Avoid placing the device in areas where ventilation ducts, open doors, or frequent passers-by might expose the device and media to high levels of debris.
- Do not locate the device in hot-springs areas where hydrogen sulfide and acidic ions are likely to be generated.
- Do not locate the device where there are oily fumes and vapors.
- Do not locate the device in direct sunlight.
- Do not locate device near sources of high RF energy.
- Do not locate the device where it might be subject to jarring or vibrations, such as a table or desk in a high-traffic area. Jarring and vibrations can affect the recording and labeling of discs.

## Cleaning Precautions

- Many plastic components are used in the device's construction. Coat flecking and deformation is likely to occur if the device is wiped with chemical dusters, benzene, thinners, insecticides, or other solvents. Rubber and PVC materials left in contact with the device for extended times will cause damage. Never use petroleum-based solutions or abrasive cleaners.
- To clean the device cover, first power off the device by pressing the System power button on the Controller front panel, then unplug the device. Clean the cover with a soft cloth slightly moistened with a mild soap and water solution. Allow the cover to completely dry before operating the device again.
- To clean the Display's touch screen, use a mild soap and water mixture. Always apply the soap and water mixture to a clean cloth or towel first and then clean the screen. Liquid applied directly to the Display could possibly leak inside the device and cause damage.
- Do not use alcohol. The touch screen can be damaged if cleaned with alcohol.

## Media Precautions

- Discs with the word "reject" or a reject icon printed on the label have failed to record properly and should be destroyed or disposed of to ensure the confidentiality of patient medical information.
- Unwanted discs should be destroyed or disposed of to ensure the confidentiality of patient medical information.
- Only use Codonics-recommended discs to ensure compatibility with the recording and labeling system of the device. Contact Codonics Customer Service for a current list of recommended discs and suppliers.
- Only use Codonics-recommended ink cartridges to ensure proper operation of the device and proper labeling of the disc. Contact Codonics Customer Service for a current list of recommended ink cartridges and suppliers.
- Never refill ink cartridges as this can cause damage to the mechanism of the device and cause improper labeling of discs.
- Recorded discs should be stored in protective cases or sleeves when not in use to protect from scratches and contamination that can interfere with data retrieval and label legibility.
- Do not subject recorded discs to prolonged exposure to sunlight, ultraviolet light, or extreme heat as this can interfere with data retrieval and label legibility.

## Codonics Virtua Medical Image Viewer

- The Codonics Virtua Medical Image Viewer is not intended for diagnostic use. The viewer is provided for reference use only as a post-diagnostic tool.
- Image quality can vary greatly from system to system based on the age, quality, and resolution of the display device (monitor or LCD display), graphics card, cabling, and ambient light conditions.

## Medical and Patient Information

- Virtua log files might contain patient information. Use caution when distributing log files.
- CD and DVD media are not intended to be used as the only method for archiving medical information. An overall strategy for archiving medical information that includes CD or DVD media must ensure that multiple copies of the information be stored at multiple locations. Media quality, handling, and storage conditions are important factors that must be considered.

## Disposal Requirements

Disposal of this product and consumables shall be in accordance with all applicable laws and regulations in effect at the locality at the time of disposal. For additional information, refer to Appendix A of the User's Manual, Hazardous Material Information.

## European Disposal Requirements

Codonics imagers and electronic accessory devices are not to be discarded or recycled; rather they are to be returned to the manufacturer. Contact Codonics directly or by the link provided for the latest information concerning:

- Identification of the country specific Importer/Distributor/Producer
- Product return and treatment of our electronic products

Manufacturer: Codonics Incorporated  
17991 Englewood Drive  
Middleburg Heights, OH 44130 USA  
Phone: +1.440.243.1198  
Fax: +1.440.243.1334  
Email: WEEE@codonics.com  
www.codonics.com

Codonics imagers and electronic accessory devices bearing the following symbol are subject to European Directive on Waste Electrical and Electronic Equipment (WEEE) 2002/96/EC, amended by Directive 2003/108/EC. The EN 50419 symbol indicates separate collection and return required.



*EN 50419 symbol*

## Indications for Use

Virtua Series devices are intended for digital medical image communication, processing, and storage. Functions include transfer, “viewing client on CD/DVD” provision, storage, archive, recording, and labeling of CD/DVD media. When configured, the ability to re-direct all or part of a radiographic study to Codonics Horizon Series Medical Hardcopy Dry Imagers (Pre-market notification K021054) or other approved 892.2040 medical hardcopy imager/printer is provided. Typical users of this system are trained professionals, including but not limited to physicians, nurses, and technicians.

## Additional Warnings

**WARNING** The shipping cartons are heavy. To avoid injury, use two people to unpack and position the components.

**WARNING** When removing the Controller or Recorder, hold under the front and rear of the device. Do not lift device by the foam packaging.

**WARNING** Before placing the Recorder on top of the Controller, make sure your fingers are not under the Recorder to avoid pinching them.

**WARNING** The power cord plug is the main disconnect for the device. The power outlet should be near the device and be easily accessible.

**WARNING** Remove the power cord plug from the power outlet to disconnect overall power to the device.

**WARNING** Grounding reliability can be achieved only when the equipment is connected to an equivalent receptacle marked “Hospital Only” (that is, “Hospital Grade”).

**WARNING** To avoid risk of electrical shock, this equipment must only be connected to a supply main with protective earth.

**WARNING** Before powering on the unit, make sure that the Recorder’s pick arm is not holding a disc. If it is, remove the disc.

**WARNING** Do not touch the copper area of the cartridge print head.

**WARNING** The SmartDrive must be inserted for the device to operate. If the SmartDrive is not inserted, the device can boot up but will not be able to process jobs.

**WARNING** If the SmartDrive is removed improperly while a study is being processed, file corruption could occur.

**WARNING** Discs that fail to record properly are either labeled with the word “Reject” or not labeled at all. These discs should be destroyed to protect the confidentiality of patient data.

**WARNING** Deleting a job that is in-progress can result in a disc that is either labeled with the word “Reject” or not labeled at all. These discs should be destroyed to protect the confidentiality of patient data.



**WARNING** CD and DVD media are not intended to be used as the only method for archiving medical information. An overall strategy for archiving medical information that includes CD and DVD media must ensure that multiple copies of the information be stored at multiple locations. Media quality, handling, and storage conditions are important factors that must be considered.

**WARNING** Virtua log files might contain patient information. Use caution when distributing log files.

**WARNING** Virtua E and Virtua C are medical devices that contains software validated for proper operation only as configured from Codonics. Loading external software such as anti-virus programs can result in unsafe or ineffective operation. Codonics strongly advises against modification of the device or software in any way

**WARNING** Always power off the device and disconnect the device's power cords before cleaning. Resume operation only after the surfaces are completely dry.

**WARNING** Run the Robotic Arm Calibration utility only when requested by Codonics Technical Support personnel.

**WARNING** Initiate a remote access connection to Codonics only when requested by Codonics Technical Support personnel.

**WARNING** System logs do not have the same user interface appearance and behavior as other screens. These logs should not be accessed unless requested by Codonics Technical Support personnel.

# Virtua<sup>®</sup> E and Virtua<sup>®</sup> C

Medical Disc Publisher

GA - Gaeilge

## Doiciméadú Fógra

Codonics Táirgí atá Rang I. táirgí beartaithe le haghaidh úsáid le Cúram sláinte Gairmithe. Táirgí pacáistiú agus lipéadú, san áireamh Grafach Úsáideoir Comhéadan (GUI) le haghaidh oibriú atá Ar fáil in Béarla agus le chéile MDR, Iarscríbhinn Mise, Caibidil III, 23.4, ag glacadh cuntas an oiliúint agus an eolas de an acmhainneacht úsáideoir.

\* Gréasáin faisnéis, Eochair Sonraíochtaí, Beartaithe Úsáid, Úsáideoir lámhleabhar Aguisín, Tapa Tosaigh Treoir & Socrú IFU atá ar fáil in simplí aistriúchán Ball Luaigh Teangacha; bunscoile IFU atá ar fáil in Béarla

## Forbhreathnú

Virtua E. agus Virtua C. atá an foirfe, eacnamaíoch, éasca chun use, íomha dáileadh gabhála le haghaidh ar bith módúlacht. Tá a dlúth dearadh gnéithe an chun cinn próiseálaí le haghaidh ag fáil agus ag bainistiú staidéir, a róbach diosca taifeadán agus printéir, agus a éasca le húsáid gréasáin comhéadan. A. barr tábla teagmháil scáileán is san áireamh le an Virtua E. Mionsamhail amháin. Tá an ionsuite printéir táirgeann thar cionn, lándaite diosca lipéid go cuir san áireamh othar déimeagrafaic agus an saoráidí seoladh agus lógó le haghaidh margaíocht. Custaiméirí féidir cruthaigh a féin saincheaptha lipéid nó úsáid Codonics diosca lipéad dearadh seirbhís a thairiscint go heisiach to ár custaiméirí.

## Sonraíochtaí

Meáin Ionchur: Ceann amháin 20-diosca ionchur bosca bruscair

Meáin Aschur: Ceann amháin 25-diosca aschur bosca bruscair

Optúil Tiomáint: Ceann amháin CD / DVD thiomáineann

Taifeadta Formáidí: CD-R, DVD-R

Lipéad Priontáil Teicneolaíocht: Inkjet

Priontáil Rún: Suas chun 4800 dpi

Dúch Cartús: Ceann amháin trí-dath Cartús

Úsáideoir Comhéadan:

15 " LCD teagmháil scáileán (Virtua E. amháin)

R.emote gréasáin brabhsálaí rochtain ag baint úsáide as Idirlíon Explorer<sup>®</sup>

Feidhmíocht: Suas chun 25 Dlúthdhioscaí in aghaidh an uair an chloig, 10 DVDanna in aghaidh an uair an chloig (bunaithe ar a tipiciúil cliniciúil staidéar agus líonra cumraíocht)

Próiseálaí: Intel@Celeron@G3900

Sonraí Stóráil: 40 GB

Comhéadan: 10 / 100Base-T / Gigabit Ethernet (RJ-45)

Líonra Prótacail:

D.ICOM Siopa SCP

DICOM ceist / aisghabháil (roghnach)

HTTP Gréasáin Freastalaí (le haghaidh iargúlta smacht agus cumraíocht)

Cliste Tiomáint: USB splanc tiomáint le haghaidh ag stóráil cumraíocht sonraí

Cumhacht: Uilíoch Ionchur: 100-240VAC, 50/60 Hz, 175VA (rátáil cumhacht)

Toisí: 10.5 " (26.7 cm) H, 18.2 " (46.2 cm) W, 21.7 " (55.1 cm) L.

Meáchan:

Virtua E: 43 lbs. (19.3KG.)

Virtua C: 32 lbs. (14.6kg.)

Rialála:

Iomlán leighis gléas comhlíonadh san áireamh Rang 2 FDA agus Rang I. MDR 2017/745 / AE (CE), GMP / QSR, ISO 13485: 2016 / NS-EN ISO 13485: 2016, Leictreach Sábháilteacht IEC 60601-1 Ed. 3.1 agus EMC / EMI: FCC Rang B. agus IEC 60601-1-2: Ed. 4 le haghaidh Gairmiúil Cúram sláinte Áiseanna

## Táirge Eolas

Le haghaidh teicniúil cúnaimh le an Virtua, glaoigh Codonics Teicniúil Tacaíocht ag an leanas uimhir:

Fón:+1.440.243.1198

Dola Saor:800.444.1198 (SAM amháin)

Teicniúil Tacaíocht is ar fáil am ar bith. Teicniúil Tacaíocht is freisin ar fáil ar líne via ríomhphost agus an Codonics gréasáin suíomh:

Ríomhphost:support@codonics.com

Gréasáin Suíomh:www.codonics.com

Ginearálta táirge faisnéis féidir freisin bheith iarrtar le ag seoladh ríomhphost chun:

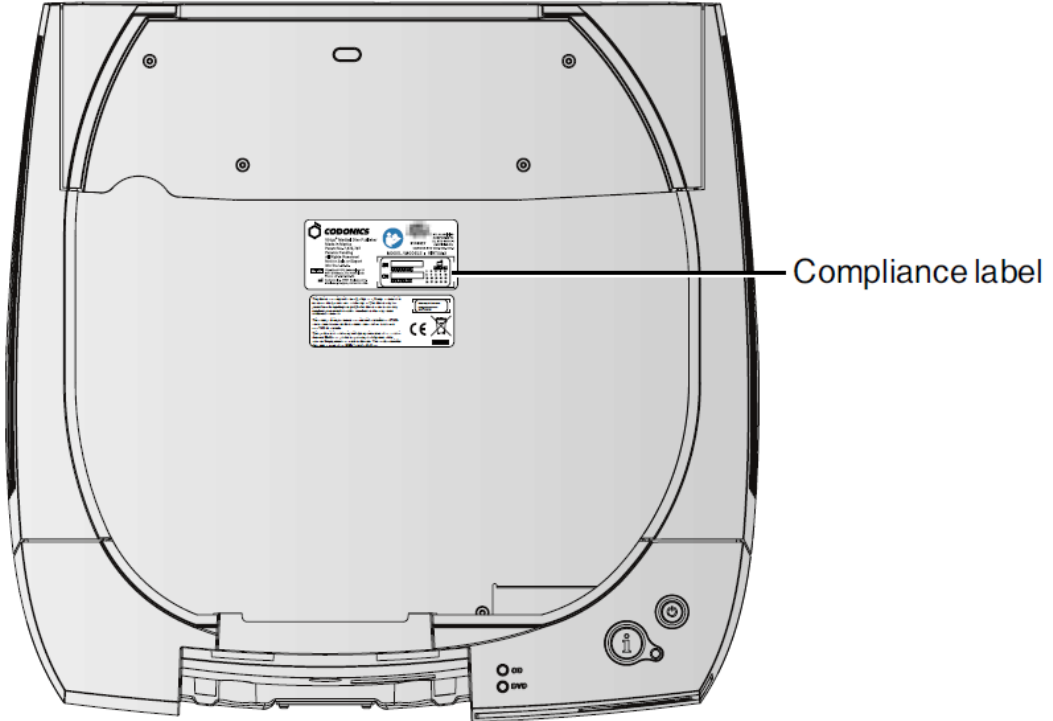
Ríomhphost:info@codonics.com

Le do thoil cuir san áireamh do poist postála seoladh agus teileafón uimhir in an ríomhphost teachtaireacht. Bunúsach táirge faisnéis is ar ais via ríomhphost mura rud é a mhalairt iarrtar.

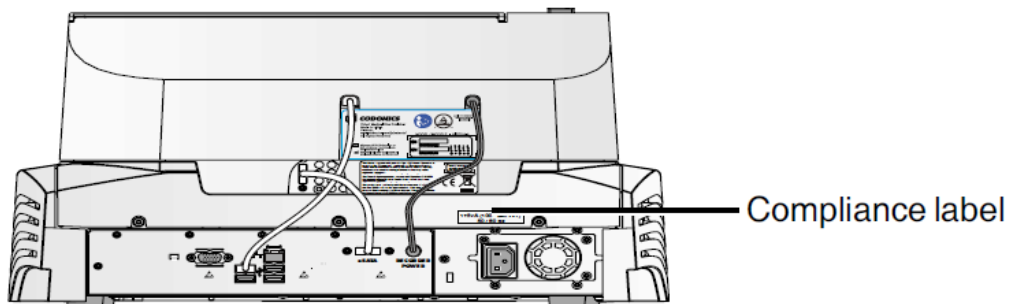
## Rabhaidh agus Teorainneacha de Úsáid

Suíomh de Sábháilteacht agus Comhlíonadh Lipéid

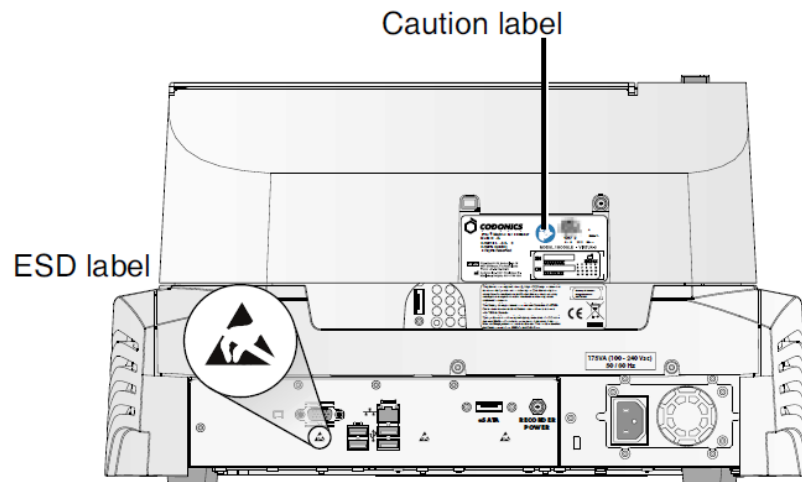
Tá an leanas figiúrs seó an suíomhanna de an imager's sábháilteacht agus comhlíonadh lipéid.



*Suíomh de comhlíonadh lipéad ag barr de Rialaitheoir*



*Suíomh de comhlíonadh lipéad ag chúl de Taifeadán*



### *Suíomh de ESD lipéid agus rabhadh sábháilteacht lipéid*

#### Voltas Rabhadh

Tá an exclamation pointe laistigh an comhshleasach triantán agus duine ag léamh a lámhleabhar siombail atá beartaithe chun airdeall an úsáideoir chun an láithreach de tábhachtach ag feidmiú agus cothabháil (seirbhísiú) treoracha in an litríocht in éineacht le seo gléas.



NÍL ÚSÁIDEOIR-SEIRBHÍSEACH CODANNA INSIDE. TAGARHA SEIRBHÍS CHUN CÁILÍOCHTA SEIRBHÍS DAOINE. CUIMHNIGH DE LABELS, COVERS, NÓ ENCASEMENT FASTENERS VOIDS AN BHARÁNTAS.

**RABHADH** Déan ní mhodhnú seo trealamh sin údarú de an monaróir  
SEO FEARAS NÍ MÓR BE LEICTREACH FOSTAÍOCHTA.

CHUN PREVENT DÓITEÁIN NÓ SHOC GUAISE, DO NÍ MÍNIÚ SEO IMAGER CHUN RAIN NÓ MOISTURE.

**RABHADH** Tá an cumhacht corda breiseán is an príomh dícheangail le haghaidh an gléas.  
Tá an cumhacht asraon chóir bheith in aice an gléas agus bheith go héasca inrochtana.

**RABHADH** Bain an cumhacht corda breiseán ó an cumhacht asraon chun dícheangail tríd is tríd cumhacht chun an gléas.

**RABHADH** Talamh iontaofacht féidir bheith bainte amach amháin Cathain seo trealamh is ceangailte chun an coibhéis gabhdán marcáilte "Ospidéal Amháin " (sin is, "Ospidéal Grád ").

**RABHADH** Chun seachain riosca de Leictreach turraing, seo trealamh Ní mór amháin bheith ceangailte chun a soláthar príomhlíonra le cosanta domhain.

**RABHADH** Déan ní teagmháil a othar cé freisin rochtain Virtua inmheánach comhpháirteanna go atá faoi an tosaigh clúdach.

NÍL TREALAMH A ÚSÁID MAR CHOMHLÍONADH CÓRAS TACAÍOCHTA SAOL. Is feistí nó córais iad feistí nó córais tacaíochta beatha a thacaíonn nó a chothaíonn an saol, agus ar féidir a bheith ag súil le réasún go bhféadfadh díobháil nó bás suntasach a bheith mar thoradh ar dhuine. Comhpháirt chriticiúil is ea aon chomhpháirt de ghaires nó de chóras tacaíochta beatha ar féidir a bheith ag súil le réasún go dteipfidh ar an bfeiste nó ar an gcóras tacaíochta beatha, nó go ndéanfaidh sé difear dá sábháilteacht nó dá éifeachtúlacht

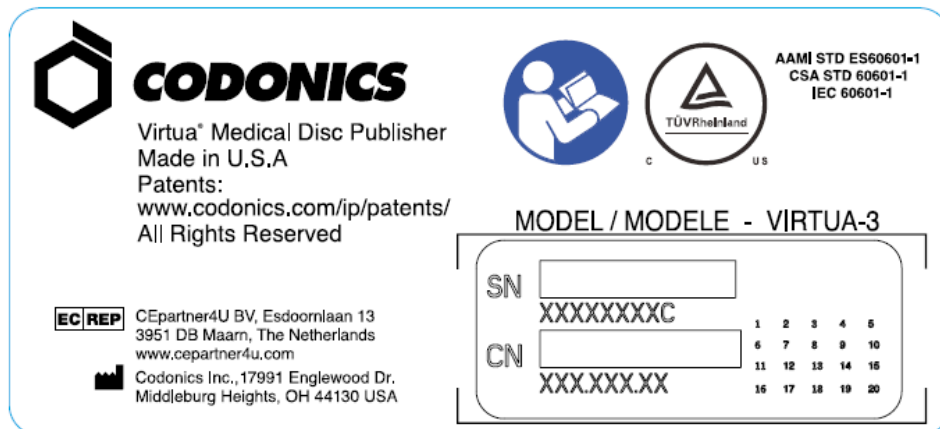
## Léasair Rabhadh

Tá an Codonics Virtua Foilsitheoir Diosca Leighis tá dé-óid léasair san aonad Taifeadta d'aicme níos airde ná 1. Chun sábháilteacht leanúnach a chinntiú, ná bain aon chlúdaigh ná déan iarracht rochtain a fháil ar an taobh istigh den táirge. Déan gach seirbhísiú a tharchur chuig pearsanra cáilithe. Tá an lipéad seo a leanas le feiceáil taobh istigh d'aonad:

### AICM 1 LASER TÁIRGE LASER KLASSE 1

## Comhlíonadh

Tá an Comhlíonadh lipéad le haghaidh an Virtua-E. agus Virtua-C Mionsamhails, atá is greamaíthe chun an barr de an Rialaitheoir is a thaispeántar thíos.



*Comhlíonadh lipéad le haghaidh Virtua-C agus Virtua-E models*

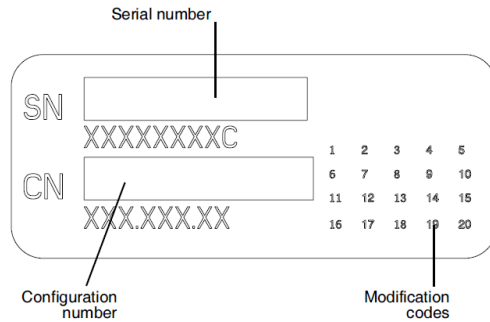
## Srathach Uimhir, Cumraíocht, Dáta Cód, agus Modhnú Cóid

Tá an sraitheach uimhir lipéad is curtha isteach an comhlíonadh lipéad. Srathach uimhir lipéid atá freisin lonnaithe ag an tosaigh de an Taifeadán agus Rialaitheoir, taobh thiar de an aschur bosca bruscair.

Tá an sraitheach uimhir lipéad áirítear an leanas faisnéis:

- Tá an sraitheach uimhir (SN), atá uathúil aithníonn an aonad.
- Tá an cumraíocht uimhir (CN), atá sonraí an thógáil cumraíocht.

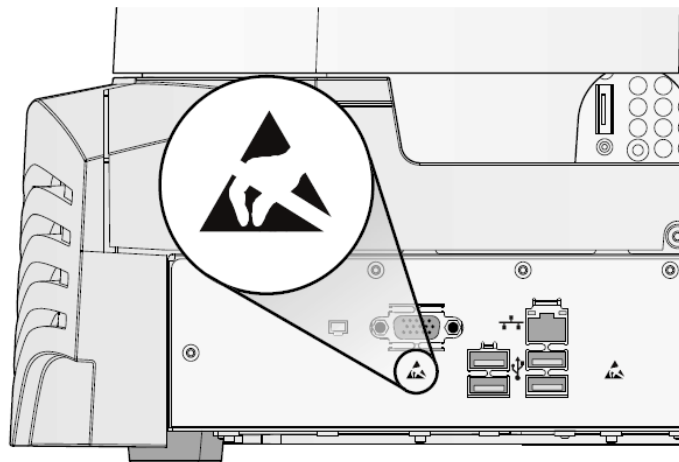
- Tá an modhnuithe cóid, atá atá chun an ceart de an CN uimhir agus atá a sraith de 20 uimhreacha. Cathain ar bith de iad seo uimhreacha atá blocáilte amach, go aithníonn a modhnú go bhí déanta chun an aonad.
- Tá an dáta cóid in BBBB-MM formáid thíos an monarcha dáta cóid siombail.



*Srathach uimhir lipéad*

## ESD Rabhadh

Naisc chun eile píosaí de trealamh atá déanta ag an chúl de an Codonics Virtua E. agus Virtua C. Leighis Diosca Foilsitheoir. Iad seo nascóirí atá marcáilte le a réamhchúram ESD rabhadh siombail, mar a thaispeántar thíos. Déan ní teagmháil ar bith de an bioráin de iad seo nascóirí. Cathain ag déanamh naisc chun an gléas, é is is fearr déanta cé an gléas is plugáilte isteach ach gan a bheith faoi thiomáint. Féadfaidh ESD iompraíocht earráideach na feiste a chur faoi deara nuair a dhéantar í a thiomáint. Má tharlaíonn sé seo, b'fhéidir go gcaithfear cumhacht don fheiste a rothaíocht. Moltar go mbeadh gach ball foirne a bhfuil baint acu le naisc a dhéanamh leis an bhfeiste ar an eolas faoi na réamhchúraimí ESD seo.



*ESD lipéads ag chúl de Rialaitheoir*

Acmhainn le haghaidh Raidió Minicíocht Cur isteach ar Gléas Oibríocht

An dá rud iniompartha agus soghluaiste RF cumarsáid trealamh féidir tionchar leighis leictreach trealamh, san áireamh Virtua E. agus Virtua C.. Coinnigh den sórt sin RF cumarsáid trealamh amach de an láithreach limistéar.

#### Acmhainn le haghaidh Raidió agus Teilifís Cur isteach

Virtua E. agus Virtua C. ghiniúint agus úsáideann sé fuinneamh minicíochta raidió, agus mura ndéantar é a shuiteáil agus a úsáid i gceart, is é sin, de réir threoracha an mhonaróra, féadfaidh sé cur isteach ar fháiltiú raidió agus teilifíse. Ná athraigh an ráta athnuachana Taispeáin, atá socraithe do 75 Hz. Rinneadh tástáil cineáil ar an bhfeiste agus fuarthas go gcomhlíonann sí teorainneacha astaíochtaí Aicme B d'fheiste ríomhaireachta de réir na sonraíochtaí i bhFo-alt J de Chuid 15 de Rialacha FCC, atá deartha chun cosaint réasúnach a sholáthar i gcoinne cur isteach den sórt sin agus í ag oibriú i dtimpeallacht tráchtála. . Is dóigh go gcuirfidh oibriú an trealaimh i gceantar cónaithe isteach ar chur isteach, agus sa chás sin ceanglófar ar an úsáideoir, ar a chostas féin, cibé bearta is iomchuí a dhéanamh chun an cur isteach a cheartú. Má chuireann do ghléas isteach ar fháiltiú raidió nó teilifíse, moltar duit iarracht a dhéanamh an cur isteach a cheartú le ceann amháin nó níos mó de na bearta seo a leanas:

- Reorient an ag fáil antenna
- Athlonnú an gléas le meas chun an glacadóir

Dá riachtanach, tú chóir téigh i gcomhairle Codonics Teicniúil Tacaíocht nó an taithí acu raidió / teilifís teicneoir le haghaidh breise moltaí. Tú féadfaidh aimsigh an leanas leabhrán ullmhaithe le an Chónaidhme Cumarsáid Coimisiún Cabhrach: Conas chun Sainaithe agus Réitigh Raidió-Teilifís Cur isteach Fadhbanna. Seo leabhrán is ar fáil ó an U.S. Rialtas Priontáil Oifig, Washington, D.C. 20402, Stoc Níl. 004-000-00345-4.

Tá an táirge seo i gcomhréir le ceanglais chosanta threoir 89/336 / CEE Chomhairle an CE maidir le comhfhogasú dhlíthe na mBallstát a bhaineann le comhoiriúnacht leictreamaighnéadach. Sásaíonn an táirge seo teorainneacha Aicme B EN55011. Tá dearbhú comhréireachta le ceanglais na Treorach sínithe ag an Stiúrtóir Dearbhaithe Cáilíochta agus Gnóthaí Rialála.

#### Treoir Maidir le Leictreamaighnéadach Astaíochtaí agus Díolúine

Oiriúnach Timpeallachtaí:

- Virtua-C / E. is beartaithe le haghaidh úsáid in gairmiúil Cúram sláinte áis timpeallachtaí, san áireamh ospidéal agus leighis clinici.
- Virtua-C / E. has ní curtha luacháil le haghaidh úsáid in aice HF máinliachta trealamh. Dá úsáid in aice HF máinliachta trealamh is inmhianaithe, an úsáideoir is freagrach le haghaidh ag fíorú ceart oibriú de an Virtua-C / E. Dá Virtua-C / E. dhéanann ní taibhiú i gceart in seo timpeallacht, bogadh an Virtua-C / E. níos faide ó an foinse de an leictreamaighnéadach suaitheadh.
- Virtua-C / E. has ní curtha luacháil le haghaidh úsáid in éigeandála leighis feithiclí.

Mar a tacaíocht gléas, Virtua-C / E. dhéanann ní sholáthar riachtanach feidhmíocht.



**RABHADH** Úsáid de seo trealamh in aice chun nó cruachta le eile trealamh chóir bheith seachain mar é fhéadfadh toradh in míchuí oibriú. Dá den sórt sin úsáid is riachtanach, seo trealamh agus an eile trealamh chóir bheith breathnaíodh chun fhíorú go siad atá ag feidhmiú de ghnáth

**RABHADH** Úsáid de gabhálais, trasducers agus cáblaí eile ná siúd sonraithe nó curtha ar fáil le an monaróir de seo trealamh fhéadfadh toradh in méaduithe leictreamaighnéadach astaíochtaí nó laghdaithe leictreamaighnéadach díolúine de seo trealamh agus toradh in míchuí oibriú.

**RABHADH** Inaistrithe RF cumarsáid trealamh (san áireamh forimeallach den sórt sin mar antenna cáblaí agus seachtrach antennas) chóir bheith úsáidtear níl níos gaire ná 30 cm (12 orlach) chun ar bith chuid de an Virtua, a cáblaí, nó gabhálais. Seachas sin, díghrádú de an feidhmíocht de seo trealamh fhéadfadh toradh.

Leictreamaighnéadach Astaíochtaí Caighdeáin agus Scrúdú Leibhéal: Leibhéal:

Test / Standard	Compliance Level
<b>RF Emissions</b> CISPR 11	Group 1, Class B
<b>RF Emissions</b> FCC Part 15	Class B
<b>Conducted Emissions</b> CISPR 11	Group 1, Class B
<b>Harmonic Distortion</b> IEC 61000-3-2	Class B
<b>Voltage Fluctuations and Flicker</b> IEC 61000-3-3	Complies

Leictreamaighnéadach Díolúine Caighdeáin agus Scrúdú Leibhéal: Leibhéal:

Test / Standard	Compliance Level
<b>Electrostatic Discharge</b>	±8kV contact
IEC 61000-4-2	±2kV, ±4kV, ±8kV, ±15kV air
<b>Radiated RF Immunity</b>	3 V/m
IEC 61000-4-3	80 MHz - 2.7 GHz 80 % AM at 1 kHz
<b>Proximity fields from RF wireless equipment</b>	Complies
IEC 61000-4-3	
<b>Electrical Fast Transient / Burst</b>	AC Port: ± 2 kV, 100 kHz repetition frequency
IEC 61000-4-4	SIP/SOP Ports: ± 1 kV, 100 kHz repetition frequency
<b>Surge</b>	Line-to-Line: ± 0.5 kV, ± 1.0 kV
IEC 61000-4-5	Line-to-Ground: ± 0.5 kV, ± 1.0 kV, ± 2.0 kV
<b>Conducted Immunity</b>	AC Port and SIP/SOPs:
IEC 61000-4-6	3V, 0.15 MHz - 80 MHz 6V, in ISM bands between 0.15 MHz and 80 MHz 80 % AM at 1 kHz
<b>Magnetic Field Immunity</b>	30 A/m, 50 Hz or 60 Hz
IEC 61000-4-8	
<b>Voltage Dips</b>	0% U <sub>T</sub> , 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°
IEC 61000-4-11	0% U <sub>T</sub> , 1 cycle AND 70% U <sub>T</sub> , 25/30 cycles, Single phase: at 0°
<b>Voltage Interruptions</b>	0% U <sub>T</sub> , 250/300 cycle
IEC 61000-4-11	

### Sábháilteacht Réamhchúraimí

- Riamh ceangal seo gléas chun ar bith asraon nó cumhacht soláthar go has a voltas nó minicíocht difriúil ná go sonraithe agus leagtha ar an chúl de an gléas.
- Cathain seirbhísiú an gléas, i gcónaí cumhacht é as le ag brú an Córas cumhacht cnaipe, ansin unplug an gléas.
- Damáiste chun an cumhacht corda féadfaidh cúis tine nó turraing guaise. Cathain unplugging an cumhacht corda, shealbhú é le an breiseán amháin agus bain an breiseán go cúramach.
- Dá an cumhacht corda riachtanais chun bheith athsholáthair, ionad é amháin le eile Codonics cumhacht corda monaraithe go sonrach le haghaidh do cumhacht cumraíocht.

- Dá an gléas is caitheamh tobac nó ag déanamh neamhghnách fuaimeanna, cumhacht as agus unplug an gléas láithreach.
- Déan ní cuir isteach eachtrach rudaí de ar bith cineálta isteach an feiste; ag déanamh mar sin féidir comhdhéanta a sábháilteacht guaise agus cúis fairsing damáiste.
- Déan ní áit ar bith leacht coimeádáin ar an gléas. Dá, le haghaidh roinnt chúis, leacht seeps isteach an gléas, cumhacht as an gléas agus unplug an cumhacht corda ó an foinse asraon. Dá úsáidtear sin ceartaitheach bearta, an gléas féadfaidh bheith damáiste.
- Déan ní úsáid an gléas in aice inadhainte gáis.
- Ceangal amháin Codonics-cheadaithe gairis.

### Suíomh Réamhchúraimí

- Tá an feiste ag feidhmiú comhthimpeallach teocht raon is 15–30°C (59–86°F), le a gaol taise de 20% –80%.
- Má bhogtar an fheiste go gasta ó áit an-fhuar go dtí áit níos teo, is dóigh go gcruthóidh comhdhlúthú. Ná húsáid an gléas má tá comhdhlúthú déanta. Fan go mbeidh an comhdhlúthú galaithe. Féadfaidh tú an t-am galú a bhrostú tríd an bhfeiste a bhogadh go suíomh níos tirime.
- Aeráil sliotáin agus poill atá curtha ar fáil ar an taobhanna agus chúl de an gléas. Áit an gléas ar a leibhéal, cobhsaí dromchla agus lonnú é ag ar a laghad 10 cm (4 isteach.) ó ballaí chun chinntiú ceart aeráil.
 

**RABHADH:** Go leor aeráil is riachtanach le haghaidh ceart oibriú de an gléas.
- Ná cuir an gléas i limistéar ard taise nó deannaigh ard. Is féidir le cáithníní salachar aeriompartha cur isteach ar oibriú na feiste. Seachain an fheiste a chur in áiteanna ina bhféadfadh duchtanna aerála, doirse oscailte, nó daoine a théann go minic an fheiste agus na meáin a nochtadh do leibhéal arda de bhruscar.
- Déan ní lonnú an gléas in spriongaí te ceantair áit hidrigin sulfide agus aigéadach iain atá dócha chun bheith ginte.
- Déan ní lonnú an gléas áit ann atá olach múch agus gaile.
- Déan ní lonnú an gléas in dhíreach solas na gréine.
- Déan ní lonnú gléas in aice foinsí de ard RF fuinneamh.
- Déan ní lonnú an gléas áit é d'fhéadfadh bheith ábhar chun jarring nó creathanna, den sórt sin mar a tábla nó deasc in a ard-thrácht limistéar. Jarring agus tonnchrith féidir tionchar an taifeadadh agus lipéadú de dioscaí.

## Glanadh Réamhchúraimí

- Úsáidtear go leor comhpháirteanna plaisteacha i dtógáil na feiste. Is dóigh go dtarlóidh fleasc agus dífhoirmiú cótaí má dhéantar tumadóirí ceimiceacha, beinséin, tanaitheoirí, feithidicídí nó tuaslagóirí eile a scriosadh. Déanfaidh ábhair rubair agus PVC a fhágtar i dteagmháil leis an bhfeiste ar feadh achair fhada damáiste. Ná húsáid peitríliam-bhunaithe riamhréitigh nó scríobach glantóirí.
- Chun glan an gléas clúdach, ar dtús cumhacht as an gléas le ag brú an Córas cumhacht cnaipe ar an Rialaitheoir tosaigh painéal, ansin unplug an gléas. Glan an clúdach le a bog éadach beagán moistened le a éadrom gallúnach agus uisce réiteach. Ceadaigh an clúdach chun go hiomlán tirim roimh ag feidhmiú an gléas arís.
- Chun scáileán tadhaill an Taispeáin a ghlanadh, bain úsáid as meascán gallúnach agus uisce éadrom. Cuir an meascán gallúnach agus uisce i bhfeidhm i gcónaí ar éadach glan nó tuáille ar dtús agus ansin glan an scáileán. D'fhéadfadh leacht a chuirtear i bhfeidhm go díreach ar an Taispeántas sceitheadh taobh istigh den fheiste agus damáiste a dhéanamh.
- Déan ní úsáid alcól. Tá an teagmháil scáileán féidir bheith damáiste dá glanta le alcól.

## Meáin Réamhchúraimí

- Dioscaí le an focal “Diúltaigh” nó a diúltú deilbhín clóite ar an lipéad agat theip chun taifead i gceart agus chóir bheith scriosta nó diúscartha de chun chinntiú an rúndacht de othar leighis faisnéis.
- Gan iarraidh dioscaí chóir bheith scriosta nó diúscartha de chun chinntiú an rúndacht de othar leighis faisnéis.
- Amháin úsáid Codonics-mholadh dioscaí chun chinntiú comhoiriúnacht le an taifeadadh agus lipéadú córas de an gléas. Déan teagmháil Codonics Custaiméir Seirbhís le haghaidh a reatha liosta de molta dioscaí agus soláthraithe.
- Amháin úsáid Codonics-mholadh dúch cartúis chun chinntiú ceart oibriú de an gléas agus ceart lipéadú de an diosca. Déan teagmháil Codonics Custaiméir Seirbhís le haghaidh a reatha liosta de molta dúch cartúis agus soláthraithe.
- Riamh athlónadh dúch cartúis mar seo féidir cúis damáiste chun an meicníocht de an gléas agus cúis míchuí lipéadú de dioscaí.
- Taifeadta dioscaí chóir bheith stóráilte in cosanta cásanna nó sleeves Cathain ní in úsáid chun chosaint ó scratches agus éilliú go féidir cur isteach le sonraí aisghabháil agus lipéad inléiteacht.
- Déan ní ábhar taifeadta dioscaí chun fada nochtadh chun solas na gréine, ultraivialait éadrom, nó mhór teas mar seo féidir cur isteach le sonraí aisghabháil agus lipéad inléiteacht.

## Codonics Virtua Leighis Íomha Breathnóir

- Tá an Codonics Virtua Leighis Íomha Breathnóir is ní beartaithe le haghaidh diagnóiseach úsáid. Tá an breathnóir is curtha ar fáil le haghaidh tagairt úsáid amháin mar a iar-dhiagnóiseach uirlis.
- Íomha cáilíocht féidir athrú go mór ó córas chun córas bunaithe ar an aois, cáilíocht, agus rún de an taispeáint gléas (monatóireacht nó LCD taispeáint), grafaicí cárta, cábláil, agus comhthimpeallach éadrom coinníollacha.

## Leighis agus Othar Eolas

- Virtua logáil isteach comhaid d'fhéadfadh bhfuil othar faisnéis. Úsáid rabhadh Cathain ag dáileadh logáil isteach comhaid.
- Níl sé i gceist meáin CD agus DVD a úsáid mar an t-aon mhodh chun faisnéis mhíochaine a chartlannú. Ní mór do straitéis fhoriomlán chun faisnéis mhíochaine a chartlannú lena n-áirítear meáin CD nó DVD a chinntiú go stórálfar iliomad cóipeanna den fhaisnéis in áiteanna éagsúla. Is fachtóirí tábhachtacha iad cáilíocht, láimhseáil agus coinníollacha stórála na meán nach mór a mheas.

## Diúscairt Riachtanais

Diúscairt de seo táirge agus earraí inchaite déanfaidh bheith in de réir le ar fad infheidhmithe dlíthe agus rialacháin in éifeacht ag an dúiche ag an am de diúscairt. Le haghaidh breise faisnéis, féach chun Aguisín A. de an Úsáideoir Lámhleabhar, Guaiseach Ábhar Eolas.

## Eorpach Diúscairt Riachtanais

Codonics samhlaíthe agus leictreonach cúlpháirtí gairis atá ní chun bheith a scríosadh nó athchúrsáilte; in áit siad atá chun bheith ar ais chun an monaróir. Déan teagmháil Codonics go díreach nó le an nasc curtha ar fáil le haghaidh an is déanaí faisnéis maidir le:

- Aitheantas de an tír sonrath Allmhaireoir / Dáileacháin / Léiritheoir
- Táirge filleadh agus cóireáil de ár leictreonach táirgí

Monaróir: Codonics Ionchorpraithe  
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Middleburg Airde, OH 44130 SAM  
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Ríomhphost: WEEE@codonics.com  
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Codonics samhlaíthe agus leictreonach cúlpháirtí gairis ar a bhfuil an leanas siombail atá ábhar chun Eorpach Treoir ar Dramháil Leictreach agus Leictreonach Trealamh (WEEE)

2002/96 / CE, leasaithe le Treoir 2003/108 / CE. Tá an EN 50419 siombail léiríonn ar leithligh bailiúchán agus filleadh riachtanach.



EN 50419 siombail

### Tásca le haghaidh Úsáid

Virtua Sraith gairis atá beartaithe le haghaidh digiteach leighis íomha cumarsáid, próiseáil, agus stóráil. Feidhmeanna cuir san áireamh aistriú, “Breathnú cliant ar CD / DVD ” foráil, stóráil, cartlann, taifeadadh, agus lipéadú de CD / DVD meáin. Cathain cumraithe, an cumas chun ath-threorú ar fad nó chuid de a radagrafaíochta staidéar chun Codonics Horizon Sraith Leighis Cóip crua Tirim Samhlaigh (Réamh-mhargadh fógra K021054) nó eile ceadaithe 892.2040 leighis cóip crua íomháiitheoir / printéir is curtha ar fáil. Tipiciúla úsáideoirí de seo córas atá oilte gairmithe, san áireamh ach ní teoranta chun lianna, altraí, agus teicneoirí.

### Breise Rabhaidh

**RABHADH** Tá an Á sheoladh cartáin atá trom. Chun seachain gortú, úsáid a dó daoine chun díphacáil agus post an comhphárteanna.

**RABHADH** Cathain bhaint an Rialaitheoir nó Taifeadán, shealbhú faoi an tosaigh agus chúl de an gléas. Déan ní ardaitheoir gléas le an cúl pacáistiú.

**RABHADH** Roimh ag cur an Taifeadán ar barr de an Rialaitheoir, Déan cinnte do mhéara atá ní faoi an Taifeadán chun seachain pinching iad.

**RABHADH** Tá an cumhacht corda breiseán is an príomh dícheangail le haghaidh an gléas. Tá an cumhacht asraon chóir bheith in aice an gléas agus bheith go héasca inrochtana.

**RABHADH** Bain an cumhacht corda breiseán ó an cumhacht asraon chun dícheangail tríd is tríd cumhacht chun an gléas.

**RABHADH** Talamh iontaofacht féidir bheith bainte amach amháin Cathain an trealamh is ceangailte chun an coibhéis gabhdán marcáilte "Ospidéal Amháin " (sin is, "Ospidéal Grád ").

**RABHADH** Chun seachain riosca de leictreach turraing, seo trealamh Ní mór amháin bheith ceangailte chun a soláthar príomh le cosanta domhain.

**RABHADH** Roimh ag cumhacht ar an aonad, Déan cinnte go an Taifeadán pioc lámh is ní gabháltas a diosca. Dá é is, bain an diosca.

**RABHADH** Déan ní teagmháil an copar limistéar de an Cartús cló ceann.

**RABHADH** Tá an SmartDrive Ní mór bheith curtha isteach le haghaidh an gléas chun oibriú. Dá an SmartDrive is ní curtha isteach, an gléas féidir tosaithe suas ach uacht ní bheith ábalta chun phróiseas poist.

**RABHADH** Dá an SmartDrive is bhaint go míchuí cé a staidéar is bheith próiseáilte, comhad éilliú fhéadfadh tarlú.

**RABHADH** Dioscaí go teip chun taifead i gceart atá ach an oiread lipéadaithe le an focal “Diúltaigh” nó ní lipéadaithe ag ar fad. Iad seo dioscaí chóir bheith scríosta chun chosaint an rúndacht de othar sonraí.

**RABHADH** Scríosadh a post go is idir lámha féidir toradh in a diosca go is ach an oiread lipéadaithe le an focal “Diúltaigh” nó ní lipéadaithe ag ar fad. Iad seo dioscaí chóir bheith scríosta chun chosaint an rúndacht de othar sonraí.

**RABHADH** Níl sé i gceist meáin CD agus DVD a úsáid mar an t-aon mhodh chun faisnéis mhíochaine a chartlannú. Caithfidh straitéis fhoriomlán chun faisnéis mhíochaine a chartlannú lena n-áirítear meáin CD agus DVD a chinntiú go stórálfar iliomad cóipeanna den fhaisnéis in áiteanna éagsúla. Is fachtóirí tábhachtacha iad cáilíocht, láimhseáil agus coinníollacha stórála na meán nach mór a mheas.

**RABHADH** Virtua logáil isteach comhaid d'fhéadfadh bhfuil othar faisnéis. Úsáid rabhadh Cathain ag dáileadh logáil isteach comhaid.

**RABHADH** Virtua E. agus Virtua C. atá leighis gléass go tá bogearraí bailíochtaithe le haghaidh ceart oibriú amháin mar cumraithe ó Codonics. Ag luchtú seachtrach bogearraí den sórt sin mar frithvíreas cláir féidir toradh in neamhshábháilte nó neamhéifeachtach oibriú. Codonics go láidir tugann comhairle i gcoinne modhnú de an gléas nó bogearraí in ar bith bhealach

**RABHADH** I gcónaí cumhacht as an gléas agus dícheangail an feiste cumhacht cordaí roimh glanadh. Lean arís oibriú amháin tar éis an dromchlaí atá go hiomlán tirim.

**RABHADH** Rith an Robotic Lámh Calabré fónais amháin Cathain iarrtar le Codonics Teicniúil Tacaíocht pearsanra.

**RABHADH** Tosaigh a iargúlta rochtain nasc chun Codonics amháin Cathain iarrtar le Codonics Teicniúil Tacaíocht pearsanra.

**RABHADH** Córas logaí dhéanamh ní agat an céanna úsáideoir comhéadan cuma agus iompar mar eile scáileáin. Iad seo logaí chóir ní bheith rochtain mura rud é iarrtar le Codonics Teicniúil Tacaíocht pearsanra.