

V.A. MEDICAL CENTER  
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ST JAMES, MN 56081

PO# 618-B39040

Line #	Description	Qty
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1	<b>PCR Eleva S Plus</b>	1
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Philips warrants to Customer that the Philips Computerized Radiographic (PCR) Equipment will be free from defects in material and manufacturing workmanship for a period of **twenty-four (24) months** upon availability for first patient use. Imaging plates and cassettes are also covered for twenty-four (24) months of warranty or 30000 cycles, whichever occurs first. The warranty on such parts shall be in effect only until termination of the initial twenty-four (24) month warranty period for the System or ninety (90) days from the date of the installation of such part, whichever occurs last. This supersedes any other implied or written warranty statement for PCR made on the sales quote.

The PCR Eleva S Plus is an all round Computed Radiography system for high quality digital radiography.  
The package includes the PCR Eleva S Plus image plate reader and one PCR Eleva workspot (without monitor).

The system features the single slot PCR Eleva S Plus reader, providing high quality, fast and reliable image plate processing.  
PCR Eleva S Plus is suitable as a system for one normal throughput X-ray room or as one system for two low throughput X-ray rooms enabling good workflow and efficiency.  
PCR Eleva workspot completes the compact system with a clear user interface, optimized for the technologist's work.

The system concept is based on flexibility:  
Whether one single reader or multiple readers, with single or multiple workspots, organized with a reader per room or a central department reader, PCR Eleva supports the desired department workflow.

**Comprising:**

PCR Eleva S Plus image plate reader  
Basic PCR Eleva workspot  
including HW:  
PC, keyboard and mouse  
Barcode scanner, to securely identify cassettes  
Holder for barcode scanner for easy hands free usage  
Including SW:  
main application software for patient scheduling, image display, review, image and examination editing  
clear and workflow optimized user interface  
quick image display after cassette insertion  
immediate image verification on fully processed image  
UNIQUE, the best in class multi resolution image processing, delivers images of a uniformly high standard that are ideal for softcopy viewing and film printing.  
full 12 bits pixel depth image chain (acquisition, processing, storage and export). Provides optimal image quality at all steps.  
DICOM Greyscale Standard Display Function, ensuring consistent presentation of images from screen to PACS or film.

user password protection (log on, log off) for data security and privacy.

"advanced user only" concept for customization

imaging plate statistics

prepared for reader sharing

prepared for additional workspots

documentation

Integrated McAfee Antivirus software, checking permanently for infections in the background and notifying immediately the user in case of attack. For maximum IT security, an active protection using Philips optional "mShield" dedicated firewall is recommended.

Note:

Network infrastructure is not included in the PCR Eleva and must be purchased locally.

### **Compatible with:**

DICOM & Classic RIS connection

DICOM Print

DICOM Image Export

DICOM package

Reject Analysis

Automatic stitching

Reader Sharing

17" LCD Color Touch Monitor

17" LCD Color Monitor

Stitching & QC workstation

Leadback cassettes

Unleaded cassettes

Orthopedics cassettes

Dental cassette

Radiotherapy cassettes

Additional PCR Eleva workspots

Technical data PCR Eleva S Plus Reader:

Compact single-slot cassette reader

Able to process up to 97 cassettes per hour (18x24cm).

Cassette release in 39 s to 58 s, depending on cassette size

Dimensions: w x h x d = 590 x 810 x 380 mm

Weight: 99 kg

Supported cassettes:

Standard 35 x 43 cm (14 x 17")

Standard 35 x 35 cm (14 x 14")

Standard 24 x 30 cm or 10 x 12"

Standard 18 x 24 cm or 8 x 10"

Dental 15 x 30 cm

Orthopedics 24 x 57 cm or 10 x 23"

Orthopedics 35 x 84 cm (14 x 33")

Orthopedics 35 x 102 cm (14 x 40")

Orthopedics 35 x 124 cm (14 x 49")

Radiotherapy 35 x 43 cm (14 x 17")

Radiotherapy 10 x 12"

Technical data of the PCR Eleva Workspot PC:

Dimensions: w x h x d = 310 x 84 x 328 mm

**Uninterruptible Power Supply providing limited backup power for Philips CR (reader and terminal) and DR (terminal) systems in the event that main power is interrupted.**

One (1) 1.4 KVA UPS system consisting of:

- LED status display
- Audible alarm Note
- Recharge Time 5 hours. Runtime at typical system power consumption levels: 15 to 20 minutes.
- Dimensions: Height 8.5 inches, Width 6.7 inches, Depth 17.3 inches Weight: 53 lbs.
- Power Requirements: 120VAC/15 amps

**980704161009 10/100 MINI HUB (SWITCH) KIT  
Clinical Education Program for PCR Systems**

Handover OnSite Education: Philips Education Specialists will provide sixteen (16)\* hours of education for up to four (4) students, selected by customer, including technologists from night/weekend shifts if necessary. Students should attend all 16 hours, and must include any OffSite education attendees. CEUs are not available in all cases. Please read Guidelines for more information, which will be provided by Philips during the scheduling process. Education Hours: Mon – Fri 8:00am to 5:00pm, except Monday and Friday are half-days to allow for trainer's travel. Note: Site must be patient-ready. Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. Education expires one (1) year from equipment delivery date.

\* For two systems installed concurrently within the same facility, the initial 16 hour education time will be combined into one 32 hour education training slot. Monday and Friday will then be half days providing time for the trainer's travel. **Ref# 150-070209**

**2**

**CC CASS. 14X17 INCH  
LEADBACK**

**6**

Eleva/AC/Co... series Cass. 14x17/35x43 with barcode window

Cassette with leaded backside.

For use in conjunction with phosphor imaging plates. IP drop stopper version (mandatory for Eleva S/ S Plus reader)

Size: 14 x 17inch / 35 x 43 cm.

Compatible with:

- image reader PCR Eleva series
- Co... series readers
- image reader AC3, 3000, 500 or 5000 series

**3**

**CC CASS: 10X12 INCH  
LEADBACK**

**5**

Eleva / AC / Co... series Cassette 10 x 12 inch with barcode window

Cassette with leaded backside.

For use in conjunction with phosphor imaging plates. IP drop stopper version (mandatory for Eleva S/ S Plus reader)

Size: 10 x 12 inch

Compatible with:

- image reader PCR Eleva series
- Co... series readers
- image reader AC3, 3000, 500 or 5000 series

**4 (1) CR6 14 x 17 in./35 x 43 cm. 6**  
**Plates**

Type 6 stimuable phosphor image plates

Size: 14 x 17 in./35 x 43 CM.

Compatible with:

- Image reader PCR Compano/Corado/CosimaX.
- Image reader AC500/AC5000 only with antistatic kit.

**5 (1) CR6 10 x 12 in. Plates 5**

Type 6 stimuable phosphor image plates

Size: 10 x 12 in.

Compatible with:

- Image reader PCR Compano/Corado/CosimaX.
- Image reader AC500/AC5000 only with antistatic kit.

**6 LCD Color Touchscreen 1**  
**Monitor**

19" flat panel color TFT LCD display designed for touch input.

Advantages:

- Takes full advantage of PCR advanced user interface and ease of use.
  - Optimizes workflow and efficiency.
  - Combines the space-saving advantage of flat panel technology with the benefits of touch input.
  - Pure-glass touchscreen with superior image clarity, resolution, light transmission and long-lasting cycle.
  - Durable, scratch-resistant glass surface (continues to work if scratched).
  - Uses best in class "surface wave" touch technology (also known as surface acoustic wave, or SAW), allowing to be used with finger, gloved hand or soft stylus.
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Comprising:

- Active Matrix TFT LCD display with anti-reflex touch front, hardcoated top sheet
- Display matrix: 1280x1024 landscape
- Wide visible screen size: 19 inches (48.3 cm) diagonal
- Quick response time: 25 ms typical
- Fine pixel pitch: 0.264 mm
- High brightness with touchscreen: 300 candela/sqm
- High contrast ratio: 1300:1
- Wide viewing angles horizontal: +/- 89 degree, vertical: +/- 89 degree

Compatible with:

- SXGA display mode (1280x1024)
- XGA display mode (1024x768)
- PCR Compano S, Compano, Corado, CosimaX, Eleva Compano, Eleva Corado, Eleva CosimaX, Eleva S, Eleva S Plus, Eleva S Hi-res

Technical Data:

- Mains connection AC/DC adapter: 100-240 V AC, 50/60 Hz
- Dimensions: wxhxd = 429x390x212 mm (17.14x16.94x9.46") incl. pedestal
- Weight: 8.4 kg
- Color: dark grey
- Class 2, ISO 13406-2

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### **DICOM Package**

**1**

This package provides all DICOM features available with PCR Eleva:  
DICOM Print, DICOM Image Export, RIS connection, MPPS.

For full description, please refer to the mentioned features.

Buying this feature once for the reader will make the functionality available on all workspots that have been purchased for this reader.

Compatible with:

- PCR Eleva software release 1.0 and above

Comprising:

#### DICOM WLM & Classic RIS

Interface to Radiology Information System (RIS).

Worklist handling via a DICOM Basic Work List Management (BWLM) or FTP RIS interface.

The DICOM & Classic RIS connection package allows the Eleva workspot to automatically load the acquisition modality's worklist from a RIS server. The worklist query can be performed 'broad' (generic) or specific (patient oriented), and both interactively (on operator request) and automatically (in background).

For further details on DICOM BWLM, please refer to the system DICOM Conformance Statement.

Buying this feature once for the system will make the functionality available on all workspots that have been purchased for this system.

Comprising:

- DICOM Worklist Management software license
- FTP RIS Interface software license

Compatible with:

- PCR Eleva software release 1.0 and above
- Essenta DR release 1.0 and above

#### DICOM MPPS

DICOM Modality Performed Procedure Step (MPPS)

DICOM service for notifying the RIS server about start and end of performed procedure steps.

The messages contain references to the originating worklist items (patient and procedure data), a list of exported DICOM images and post exposure data.

MPPS requires that the DICOM WLM feature is enabled.

For further details, please refer to the system DICOM Conformance Statement.

Buying this feature once for the system will make the functionality available on all workspots that have been purchased for this system.

Comprising:

- Software license

Compatible with:

- PCR Eleva software release 1.0 and above
- Essenta DR release 1.0 and above

#### **Generator Data will not be reported automatically for Essenta DR and PCR Eleva!**

#### DICOM Image Export

DICOM Storage and DICOM Storage Commitment

The DICOM Image Export feature provides the DICOM Storage service to send images to PACS or any other DICOM destination in DICOM format.

The Eleva workspot supports DICOM Greyscale Display Standard. Calibration of Eleva workspot and the receiving DICOM node will result in consistently same high image quality.

DICOM Image Export also includes the DICOM Storage Commitment service, allowing the Eleva workspot to be informed by storage destination if images have been securely stored. This trigger is used by the Eleva workspot to allow related images to be deleted locally.

For further details, please refer to the system DICOM Conformance Statement.

Buying this feature once for the reader will make the functionality available on all workspots that have been purchased for this system.

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Comprising:

- Software license

Compatible with:

- PCR Eleva software release 1.0 and above
- Essenta DR release 1.0 and above

### DICOM Print

DICOM Print interface for manual and automatic printing.

DICOM Print allows for manual and automatic printing directly from the Eleva workspot. It enables the user to transfer images to a networked DICOM imager with the choice of different printing modes:

- Autoprint: automatic printing of images on predefined film layouts according to the examination
- Manual print: Manual image placement on predefined film layouts or image placement on free layout composing.

For further details, please refer to the system DICOM Conformance Statement.

Buying this feature once for the system will make the functionality available on all workspots that have been purchased for this system.

Comprising:

- Software license

Compatible with:

- PCR Eleva software release 1.0 and above
- Essenta DR release 1.0 and above
- For compatible printers see product info

Technical Data:

- Only printing via DICOM protocol is possible.

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## **Reader Sharing**

**1**

Reader sharing means one PCR Eleva reader is connected with other PCR Eleva readers in a network for more workflow flexibility. The operator can use any free reader in the network, the readout image will be displayed at the Eleva workspot where the cassette was initially barcoded. Different PCR Eleva readers (single- or multi-slot) can be shared in such a network. Such a multi reader set-up provides an excellent backup solution.

Comprising:

- Software license

Compatible with:

- PCR Eleva software release 1.0 and above
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This powerful image statistic tool provides the advanced user with functionality to analyze rejected images regarding operators and rejection reasons. It serves as well for monitoring and analyzing general parameters. The data files can be downloaded in standard format for further usage or archiving on a PC.

It perfectly supports the quality standards of the department and teaching situations.

Buying this feature once for a system will make the functionality available on all Eleva workspots that have been purchased for this system.

Note: for Essenta DR, Essenta DR Compact, EasyUpgrade DR and PCR Eleva systems, generator data will not be reported automatically.

Comprising

- Software license

Compatible with

- DigitalDiagnost 2.0 and above
- DuraDiagnos 1.0 and above
- Essenta DR 1.0 and above
- Essenta DR Compact 1.0 and above
- MobileDiagnost wDR
- EsayUpgrade DR 1.0 and above
- PCR Eleva 1.0 and above