

PROPAXX

Module description

Human



1 Packages

| Article-No. | Description |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4320-0-0102 | <p>PROPAXX Diagnostic SU (Single user) 1x PROPAXX Server including:</p> <ul style="list-style-type: none"> • 1x PROPAXX US node • 1x PROPAXX CR/DR node <p>1x PROPAXX Viewer package Diagnostic</p> <p>Contains PROPAXX Server software and one PROPAXX Viewer package Diagnostic. Both PROPAXX components are installed on a single workstation and can only be used on the same PC. The PROPAXX Server functions can be extended with Server modules.</p> |
| 4320-0-0104 | <p>PROPAXX Xtensive SU (Single user) 1x PROPAXX Server including:</p> <ul style="list-style-type: none"> • 1x PROPAXX US node • 1x PROPAXX CR/DR node <p>1x PROPAXX Viewer package Xtensive</p> <p>Contains PROPAXX Server software and one PROPAXX Viewer package Xtensive. Both PROPAXX components are installed on a single workstation and can only be used on the same PC. The PROPAXX Server functions can be extended with Server modules.</p> |
| 4320-0-0030 | <p>PROPAXX Net A PROPAXX Single User System becomes network-compatible with PROPAXX Net. This allows access to the PROPAXX Server from any viewing station within the local network. One Viewer can be installed on any number of PCs. However, the number of Viewers that can be used at one time depends on the number of purchased licenses.</p> |
| 4320-0-0001 | <p>PROPAXX Viewing MU (Multi User) Contains an additional PROPAXX Viewer package Viewing license for a multi user installation. Precondition: PROPAXX Single User and PROPAXX Net must be installed already.</p> |
| 4320-0-0002 | <p>PROPAXX Diagnostic MU (Multi User) Contains an additional PROPAXX Viewer package Diagnostic license for a multi user installation. Precondition: PROPAXX Single User and PROPAXX Net must be installed already.</p> |
| 4320-0-0004 | <p>PROPAXX Xtensive MU (Multi User) Contains an additional PROPAXX Viewer package Xtensive license for a multi user installation. Precondition: PROPAXX Single User and PROPAXX Net must be installed already.</p> |
| 4320-0-0040 | <p>PROPAXX US node Additional node to receive DICOM images from an additional US modality.</p> |
| 4320-0-0041 | <p>PROPAXX CR/DR node Additional node to receive DICOM images from an additional CR or DR modality.</p> |

■ = included; □ = optionally; - = not included

PROPAXX Server modules:

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|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4320-0-0031 | Compression Allows the compression of image data. |
| 4320-0-0033 | Data Migration Allows the transfer of images from another DICOM-compatible PACS via DICOM Query. The external PACS must support DICOM Query as Server (SCP). |
| 4320-0-0034 | PROMIS Migration Allows the transfer of images (incl. annotations and measurements) from PROMIS. |

2 System configurations

| System features | Multi user | Single user |
|--------------------------------------------|-------------------|--------------------|
| Number of possible Viewers | unlimited | 1 |
| Number of different Viewer packages | unlimited | 1 |
| Network compatibility | ■ | - |
| "Floating-License(s)", independent from PC | ■ | - |

■ = included; □ = optionally; - = not included

3 Viewer specification

3.1 Overview

| | Viewer packages | | |
|-----------------------------------------------------|-----------------|-------------|----------|
| | Viewing | Diagnostics | Xtensive |
| <i>Basic functions</i> | ■ | ■ | ■ |
| <i>Interactive histogram</i> | - | ■ | ■ |
| <i>Measurement functions</i> | - | ■ | ■ |
| <i>Full screen viewing of an image</i> | - | ■ | ■ |
| <i>Filtering</i> | - | ■ | ■ |
| <i>Patient CD</i> | - | ■ | ■ |
| <i>E-mail sending</i> | - | ■ | ■ |
| <i>Diagnostic findings</i> | - | ■ | ■ |
| <i>Keywording</i> | - | ■ | ■ |
| <i>Work queues</i> | - | ■ | ■ |
| <i>Crop function</i> | - | ■ | ■ |
| <i>Creation of X-ray jobs</i> | - | ■ | ■ |
| <i>Ruler / Grid</i> | - | ■ | ■ |
| <i>Region Windowing</i> | - | - | ■ |
| <i>Look-up-Tables</i> | - | - | ■ |
| <i>Densitogram</i> | - | - | ■ |
| <i>Multi Monitor</i> | - | - | ■ |
| <i>Sync mode</i> | - | - | ■ |
| <i>Image data statistics</i> | - | - | ■ |
| <i>Alignment</i> | - | - | ■ |
| <i>Interface to an orthopedic planning software</i> | - | - | ■ |
| <i>DICOM Query</i> | - | - | ■ |
| <i>DICOM Send</i> | - | - | ■ |
| <i>DICOM Print</i> | - | - | ■ |

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3.2 Basic functions

| | Viewer packages | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|----------|
| | Viewing | Diagnostics | Xtensive |
| Basic functions: | | | |
| Language selection <ul style="list-style-type: none"> Simple selection of language, when logging-on | ■ | ■ | ■ |
| Image import/export <ul style="list-style-type: none"> 16-, 12-, 10- and 8-bit support for DICOM images (CR, DX, OT, US incl. sequences) Opens JPG-, BMP-, TIFF-, GIF- and PNG-Images Image export as JPG-, BMP-, TIFF-, GIF- and PNG-Image Image import of JPG-, BMP-, TIFF-, GIF- and PNG-Images in database Direct image transfer from CONAXX System Image import/receiving via DICOM Store (SCP) | ■ | ■ | ■ |
| Patient Administration <ul style="list-style-type: none"> Access to all patients and their images in the system Search function by means of patient data or image characteristics Many image export functions can be used in patient administration without viewing all images | ■ | ■ | ■ |
| Inversion, rotate/mirror | ■ | ■ | ■ |
| Magnifier / zoom / zoom-visualization | ■ | ■ | ■ |
| Image comments, DICOM Header view | ■ | ■ | ■ |
| Multi-level windowing function <ul style="list-style-type: none"> Interactive by means of mouse View of grayscale spreading of an image Definition and user-related filing of favorite histogram settings | ■ | ■ | ■ |
| Panning <ul style="list-style-type: none"> If image is larger or zoomed larger than visible area (tile) of the light box in which it is opened, image parts from outside the visible area can be moved into the visible window. | ■ | ■ | ■ |
| Annotations <ul style="list-style-type: none"> As text Geometrical shapes L/R-markers Annotations and L/R-markers can later be moved and edited | ■ | ■ | ■ |
| Light box <ul style="list-style-type: none"> Parallel view of several images Moving of images within viewing area | ■ | ■ | ■ |
| GDT/BDT/EMR-Interface <ul style="list-style-type: none"> Allows to open images of a patient from an external patient data management system by means of a GDT/BDT/EMR message | ■ | ■ | ■ |

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3.3 Further functions

| | Viewer packages | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|----------|
| | Viewing | Diagnostics | Xtensive |
| Further functions: | | | |
| Interactive histogram <ul style="list-style-type: none"> Enables interactive adjustment of windowing features and immediate use | - | ■ | ■ |
| Measurement functions <ul style="list-style-type: none"> distance, angle, circle, HD-angle (hip-dysplasia-angle), PennHIP, angel between two lines, Cardiothoracic Ratio, Tibial-Plateau-Angel (TPA), Vertebral-Heart-Score (VHS) Calibration Measuring unit can be configured | - | ■ | ■ |
| Full screen viewing of an image | - | ■ | ■ |
| Filtering <ul style="list-style-type: none"> Provides a predefined number of different filters for image optimization | - | ■ | ■ |
| Patient CD <ul style="list-style-type: none"> Burning of a patient-CD with images of one or more patients and integrated viewer for easy viewing of these DICOM images on any PC. Importing of images from patient CDs into PROPAXX Creation of Patient CDs on a Rimage CD Robot Export of Patient CD to USB flash drive or hard drive | - | ■ | ■ |
| E-mail sending <ul style="list-style-type: none"> Automatic use of locally installed e-mail client (e.g. automatic start of Outlook) Formats: JPG, TIFF, BMP, GIF and PNG can be send | - | ■ | ■ |
| Diagnostic findings <ul style="list-style-type: none"> Creation and filing of diagnostic findings for a patient Use of an editable template that can work with text modules, too. Possibility of exporting and emailing of filed findings | - | ■ | ■ |
| Keywording <ul style="list-style-type: none"> Marking of images with keywords Creation of new keywords Image search according to defined keywords | - | ■ | ■ |
| Work queues <ul style="list-style-type: none"> Allows bundling of several patients in one work queue Comfortable possibility for sequential processing of patients in one queue | - | ■ | ■ |
| Crop function | - | ■ | ■ |
| Creation of X-ray jobs <ul style="list-style-type: none"> Allows the creation of CONAXX X-ray jobs directly in PROPAXX Selection of body part, fine part, view position or via QuickJobs Supports a requests to repeat an exposure | - | ■ | ■ |
| Ruler / Grid <ul style="list-style-type: none"> Possibility to show ruler and grid lines Scale of ruler can be configured Scale and distance between grid lines can be configured | - | ■ | ■ |

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| | Viewer packages | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|----------|
| | Viewing | Diagnostics | Xtensive |
| Further functions: | | | |
| Region Windowing <ul style="list-style-type: none"> Other than the standard windowing function, where the window leveling is applied immediately to the whole image, the user of the region windowing function defines an area (region) of the image where contrast is optimized first. The settings of this area are later applied to the complete image. | - | - | ■ |
| Look-up-Tables <ul style="list-style-type: none"> Provides a selection of look-up-tables Enables alternative display modes for black/white images, e.g. false color rendering | - | - | ■ |
| Densitogram <ul style="list-style-type: none"> Enables creation of a grayscale profile through a predefined cross section of an image. | - | - | ■ |
| Multi Monitor <ul style="list-style-type: none"> Enables creation of up to 8 additional light boxes, which can be moved to additional monitors independently from the primary light box Each light box can be divided in 9 sections. | - | - | ■ |
| Sync mode <ul style="list-style-type: none"> Enables synchronized use of the tools "windowing", "moving", "zooming" on multiple images (except zoom function of the mouse wheel). | - | - | ■ |
| Image data statistics <ul style="list-style-type: none"> Enables statistical analysis of image data/grayscale data of image parts or complete images | - | - | ■ |
| Alignment <ul style="list-style-type: none"> Enables alignment of images in neighboring tiles at one central point | - | - | ■ |
| Interface to an orthopedic planning software <ul style="list-style-type: none"> Transfers images directly into the orthopedic planning software and imports the finally planned image back into PROPAXX | - | - | ■ |
| DICOM Query <ul style="list-style-type: none"> Enables queries from a predefined external PACS via DICOM Query interface | - | - | ■ |
| DICOM Send <ul style="list-style-type: none"> Enables sending of one or more images via DICOM Send communication | - | - | ■ |
| DICOM Print <ul style="list-style-type: none"> Allows printing images on a DICOM imager/printer Can be configured with different printers and user preferences | - | - | ■ |

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4 Server functions

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| <p>Status monitor</p> <ul style="list-style-type: none"> Shows information about the number of patients and images in the system Shows information about currently available Viewer licenses Shows information about the storage locations (disk space, access rights) Shows information about logged-in users and their workstations | ■ |
| <p>Messaging service</p> <ul style="list-style-type: none"> Allows the sending of messages to all logged-in Viewers | ■ |
| <p>Backup and recovery</p> <ul style="list-style-type: none"> Allows a complete backup and recovery with a graphical user interface Allows a complete backup with a command line tool Allows a backup of the database (without image data) with a command line tool | ■ |
| <p>User management</p> <ul style="list-style-type: none"> Allows the administration of user accounts Supports different user roles incl. different rights | ■ |
| <p>Storage location management</p> <ul style="list-style-type: none"> Allows the administration of storage locations for image data Supports unlimited number of storage locations Supports the movement of image data between storage locations | ■ |
| <p>Compression</p> <ul style="list-style-type: none"> Allows the compression of image data to save disk space | □ |
| <p>Data Migration</p> <ul style="list-style-type: none"> Allows the transfer of images from another DICOM-compatible PACS via DICOM Query | □ |

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