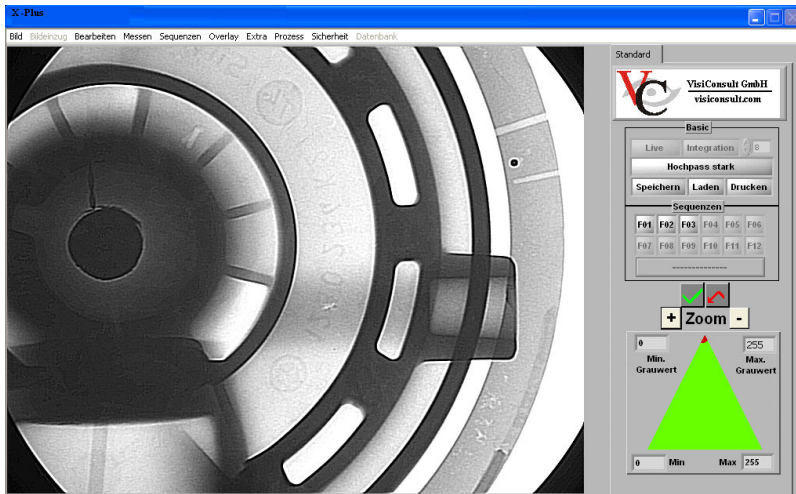




XplusII HiRes

Image enhancement- and archiving system
for Kappa HiRes XR (1k² 12 bit area camera)
Spezifikation No: 2003.08.15_XplusII HiRes



XplusII HiRes – is a PC based image enhancement and archiving system of the latest generation.

Application

The ability to detect details in X-ray radioscopic images is disturbed by a more or less strong noise.

The **XplusII HiRes** system is used to improve the recognition of the smallest details. The system allows a fast and reproducible evaluation of X-ray images.

XplusII HiRes is especially developed for use with the HiRes XR™ high resolution camera of the company Kappa™.

XplusII HiRes is well suited for upgrading of existing X-ray systems and for new X-ray machines.

Product highlights

- User friendly handling
- 3D – zoom
- Extensive measurement functions
- Area calculation of defects
- Automation of test sequences
- Versatile auto archive functions
- Prepared for remote control by Xray systems
- Easy conversion from 12 bit to 8 bit via mouse click
- Size of the x-ray image is: 1000 * 1000 pixel
- 12 bit grey value resolution of the X-ray image



XplusII HiRes

Scope of delivery

Hardware:

- PC \geq 2.6 GHz, Miditower Min. 1024 MB RAM
- Hard disk min. 80 GB
- XGA graphic 1280 * 1024
- CD - RW
- Camera link framegrabber
- Keyboard, mouse
- Documentation

Hardware options:

- 19" industrial PC
- Uninterruptible power supply (UPS)
- High resolution TFT monitor
- Additional keyboard for function keys
- Barcode scanner
- Laser printer DIN A4 1200 dpi

Software:

- Microsoft Windows XP Professional™
- CD – recording software
- Microsoft Works™
- **XplusII HiRes**– software - single user licence

Software options:

- Microsoft Windows 2000™
- Microsoft Office™

Standard functions

Image capture

- Live image
- Real-time integration
- Positive- and negative display

Display

- Normal image
- Zoom
- 3D
- Easy conversion from 12 to 8 bit by mouse click

Image processing

- > 40 predefined digital filter
- 5 user defined filters
- Lookup tables

Image evaluation

- Length- and area calibration
- Length measurement
- Line profile
- Histogram analysis
- Area calculation of defects

Documentation

- Image printing on every standard printer
- Text marking of images
- Graphic marking of images
- Data sharing to Windows™ programmes

Archiving

- Image storage in BMP, TIF, JPG format
- Image storage with and without overlay
- Fully automated storage of images

Process control

- User guided by the programme (process data, decision, ...)
- Updated process data in overlay
- Automatic file names

Sequences

- Storing and call of image processing steps
- Unlimited number of sequences
- Free assignment of function keys to sequences
- Can be started via function keys

Other features

- Image enhancement parameter password protected
- Different languages(German, English, others on demand)

Optional functions

- Reference image on second monitor
- Automatic sending of e-mails
- Database
- Remote control from X-ray system (OPC, Serial, Ethernet , digital IO)
- **Customised adaptations**

Remarks:

Technical data subject to change without notice.
TM of Microsoft Corp.: Microsoft Windows XP Professional,
Microsoft Windows 2000, Microsoft Works, Microsoft Office
TM of Kappa.: HiRes XR