

# ESINOMED<sup>®</sup>

Hi-Tech Solutions



„...every detail counts“

- Medical Viewing Stations** ■
- Medical Displays** ■
- DICOM Gateways** ■
- Optoelectronic Components** ■



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## ***ESINOMED GmbH - about us***

ESINOMED GmbH is an innovative and professional company that provides a wide range of Display Solutions for medical and industrial use.

### **Medical Solutions**

Since several years we have been one of the leading manufactures for Medical Viewing Stations. We are the right partner for challenging projects and develop solutions that meet your special requirements. In addition to the Medical Viewing Stations we deliver the corresponding accessories like optoelectronic components (buffer amplifier, multiplexer,...) and Dicom Gateways.

### **Industrial Solutions**

For industrial use we provide displays with special sizes that are tailored to fit a specific client's need.

### **Company Philosophy**

Because of the own research, development and production we guarantee products at the highest quality stage. Both a team of high-motivated and professional staff and a quality management according to DIN ISO 9001 create a solid basis for ESINOMED GmbH.

Our offered full-service-solutions range from consulting and design to realization, installation and after-sales support. We offer individual service concepts and On-site support.

**>> ... every  
detail  
counts**

# ESINOMED<sup>®</sup>

Hi-Tech Solutions

## OP-PACS View



### We guarantee:

- excellent image representation
- system stability
- usability
- fast and easy installation
- easy cleaning
- optimized service and support





# ESINOMED®

Hi-Tech Solutions

## OP-PACS View

- can be used as a replacement or substitute for already existing X-Ray film viewers (the existing niches can be used)
- different possible combinations (Display / X-Ray film viewer)
- different upgrade possibilities
- different display sizes
- Landscape- or Portrait-format
- resolutions up to 4Mpix
- Display calibration according to DICOM and DIN 6868-57
- possible representation of external input signals (DVI, S-Video, SDI, HSDI, Composite Video,...)
- integrated, high-quality industry computer
- integrated hinged foil keyboard with touchpad
- integrated silicone keyboard (optional)
- completely disinfectable and splash-proof
- realization of non-standard dimensions
- different RAL-finishes possible



**» flexible  
solutions  
for the OR**

# ESINOMED<sup>®</sup>

Hi-Tech Solutions

## MedStation



### Fanless technology:

The Esinomed Viewing Stations work completely fanless.



- Single- or Duplex-Display
- different display sizes
- Landscape- or Portrait-format
- resolutions up to 4Mpix
- Display calibration according to DICOM and DIN 6868-57
- integrated, high-quality industry computer
- integrated hinged foil keyboard with touchpad
- completely disinfectable and splash-proof
- possible representation of external input signals (DVI, S-Video, SDI, HSDI, Composite Video,...)
- integrated silicone keyboard (optional)
- fast and easy installation
- different RAL-finishes possible



**>> different  
fields of  
applications**

## MobileViewer



- mobile and flexible
- possible wireless usage because of high-efficiency rechargeable batteries and wireless LAN connection
- operating time up to 12h
- for usage in operating rooms or hospital wards (depending on the model)
- Single- or Duplex-Display
- different display sizes
- Landscape- or Portrait-format
- resolutions up to 4Mpix
- Display calibration according to DICOM and DIN 6868-57
- possible representation of external input signals (DVI, S-Video, SDI, HSDI, Composite Video,...)
- integrated, high-quality industry computer
- integrated foil keyboard with touchpad
- integrated silicone keyboard (optional)
- completely disinfectable and splash-proof



**>> mobility  
and  
flexibility**



## Medical Displays

Esinomed offers “Stand-alone”-displays (Displays without processor unit), too. These medical displays are equipped with a standard VESA-fixation and they can be fixed for example on the wall and on a ceiling- or a wall-arm.

In addition there is the possibility to combine a medical Viewing Station with a “Stand-alone”-display. The Viewing Station can be used as an operating unit for one of the “Stand-alone”-displays. When connected to the Medical Viewing Station the “Stand-alone”-display works as a mirror display.

### technical specifications of the Medical Displays:

- different display sizes
- Landscape- or Portrait-format
- resolutions up to 4Mpix
- Display calibration according to DICOM and DIN 6868-57
- possible representation of external input signals (DVI, S-Video, SDI, HSDI, Composite Video,...)
- Standard-version or completely disinfectable and splash-proof version
- equipped with VESA fixation or socket



### Wireless Display Connection

Esinomed's product variety now offers a wireless connection between the medical Viewing stations and the medical Displays:

- you can connect several displays to the medical viewing stations
- no cable connection needed
- only a power supply is needed for the medical display
- wireless data transfer
- the distances reach from 6...8m (longer distances on request)
- possible resolutions up to 1980x1200 pix
- image transfer without noticeable time delay

**» Wireless  
Data  
transfer**

## DICOM Gateways



Many hospitals still have a lot of non-DICOM medical modalities. Upgrading or replacing these modalities is very expensive. The Dicom Gateway is a cheap and easy solution in order to convert analog image data into DICOM compliant data. Thus you are able to adapt your “old devices” without DICOM to your digital environment.

- conversion of analog image data into DICOM compliant data
- „All-in-One“ – no external components needed
- DICOM Store, DICOM Worklist, DICOM Print
- grabbing of single images or sequences (CINE)
- input separation with at least 4000 V (optional)
- high resolution framegrabber (optional)

The DICOM module can be integrated into any of the Medical Viewing Stations, too.

## Optoelectronic Components



- buffer amplifier
- electrical / optical converter
- optical / electrical converter
- RS-232 adapter with optical separation
- DVI-splitter and fiber optic systems

## Technical Specifications

Every system is designed especially for use in operating rooms and medical sensitive areas.

The viewing stations are **disinfectable** and splash-proof. There are no slots or edges because this would make the cleaning more difficult. The used medical displays with resolutions up to 4 Mpix guarantee a high quality image representation. We offer color- and monochrome-displays. All of the displays have **DICOM Preset** and they are calibrated according to DIN 6868-57.

The viewing stations are Windows® based (Linux optional) and they work with any PACS application.

The **integrated processor unit** is state of the art and ensures the maximum possible performance.

All of the systems are upgradeable to latest components at a later date. Thus an up-to-date system is guaranteed over a long period.

In order to offer any customer the appropriate system there are a lot of **options** for all of the viewing stations.

The systems can be equipped with multiple USB interfaces, with a CD/DVD drive and with a Multi-Input-Feature. When equipped with the Multi-Input feature several input signals (DVI, S-Video, SDI, HSDI, Composite Video,...) can be integrated. Consequently you can represent different signals (signals from endoscopes, C-arms, MR-devices,...) directly on your screen.

All of the devices are constructed according to DIN EN 60601-1, DIN EN 60601-1-1, DIN EN 60601-1-2. They correspond to the medical product law category I and comply with the highest quality and security standards.

**» durability  
and up-to-  
dateness**