

# CASE STUDY

[Medical Monitor Solutions]

Universitätsklinik Heidelberg, Germany



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Dr. Jochen Hansmann  
Assistant Medical Director for Diagnostical Radiology,  
Universitätsklinik Heidelberg



## University of Heidelberg Clinical Center

Today the University Clinical Center Heidelberg is one of the largest medical research centers in Europe. Their 42 hospitals care for 600,000 patients and the diagnostical radiology generates 125,000 diagnostic findings annually.



## Creating a Filmless Environment

Early on, Dr. Hansmann who is an assistant medical director for the department of diagnostic radiology, consisting of 25 radiologists and 50 medical technicians, recognized the huge advantages and potential of making diagnoses with digital data. Dr. Hansmann was significantly involved in the decision to install the PACS (Picture Archiving and Communications System) and the RIS (Radiology Information System) at the Clinical Center Heidelberg.



In 2003, Dr. Hansmann introduced PACS into radiology, making it possible for the radiology diagnostics in Heidelberg to go filmless. With the installation of RIS and HIS (Hospital Information System), the whole University Clinic Center became filmless by 2005. Today, every RIS/PACS station consists of three monitors: two for diagnosis and one for showing RIS data.

## Monitors You Can Rely On

From years of experience Dr. Hansmann knew the value of reliable diagnosis. For a reliable and correct diagnosis, the image quality of the monitors is indispensable. The best radiograph may become useless, if the image is not displayed on the monitor correctly and faithfully in detail.

After evaluating the monitors, Dr. Hansmann and his colleagues decided to use solely EIZO RadiForce color monitors for diagnostics. “The quality of EIZO's RadiForce monitors convinced us,” explained Dr. Hansmann.

The most outstanding feature was the grayscale reproduction of these color monitors. “Up to now, the quality with color monitors was lower than with grayscale monitors. But with RadiForce monitors from EIZO, there is no difference.”

Furthermore, the clinical center Heidelberg already had very favorable experiences with EIZO monitors in its administration, reception, laboratories and examination rooms prior to going filmless, which strongly influenced the decision to choose EIZO RadiForce monitors.



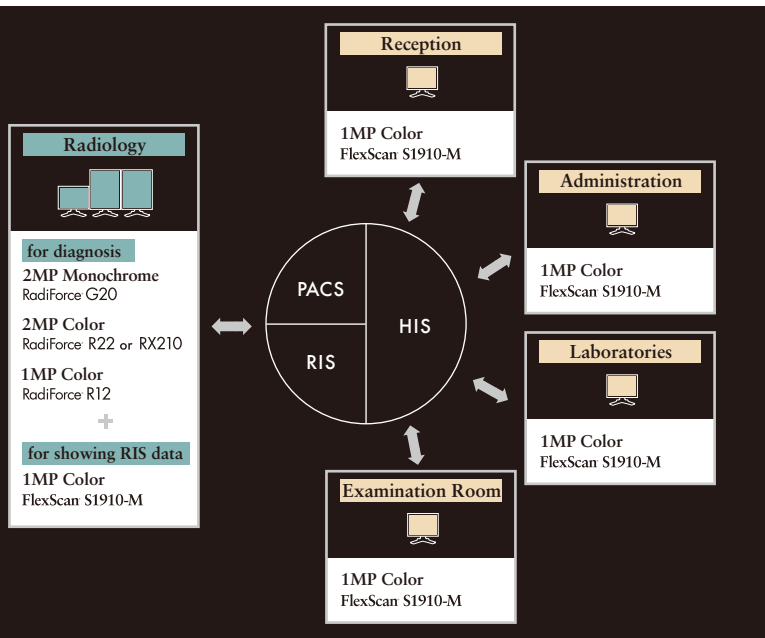
In the around-the-clock hospital business, reliable monitors with minimum maintenance requirements are in high demand. Professor Dr. Kauffmann, medical director of the diagnostic radiology department, favored using EIZO RadiForce monitors for this reason.



# Radiographs Available Anytime Anywhere

According to Dr Hansmann, the biggest benefit to the hospital of introducing PACS is the constant availability of all radiographs: “In the past, the diagnostic findings were difficult to perform since one could only remember a radiograph when in special circumstances. With analogue data, up to 60 films per medical examination would have been available and most often the one important picture was out of reach when needed since it was carried by the patient to a colleague.”

Thanks to PACS such problems belong to the past. “Now that we are working with PACS at the clinical center Heidelberg, each x-ray image is available at any time and anywhere. We can simply work faster and better.”



System Configuration



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