

Understanding the Economics

Web Based & Mobile Medical Imaging Access

Increasingly healthcare professionals are being asked to improve the productivity of and minimize the delays between image acquisition and interpretation activities in order to reduce per patient costs. At the same time, enabling more healthcare professionals to access archived images and information reduces repetition and leads to enhanced patient care. Achieving these benefits require solutions which enable efficient access to images and information from anywhere.

DEPLOYMENT

Deploying and maintaining medical imaging applications that meet these requirements can be an expensive proposition. Rapid technological evolution and advances in imaging solutions force continual upgrades and enhancements in software applications, operating systems and computer hardware platforms in order to deliver and enhance patient care and treatment. Calgary Scientific PureWeb™ and ResolutionMD™ software solutions enable healthcare professionals and administrators to reduce the capital and operational costs associated with delivering state-of-the-art medical imaging solutions, without reducing the productivity and performance that users expect in order to most effectively meet time-to-interpretation objectives.

HIGH-TECH, LOW-COST

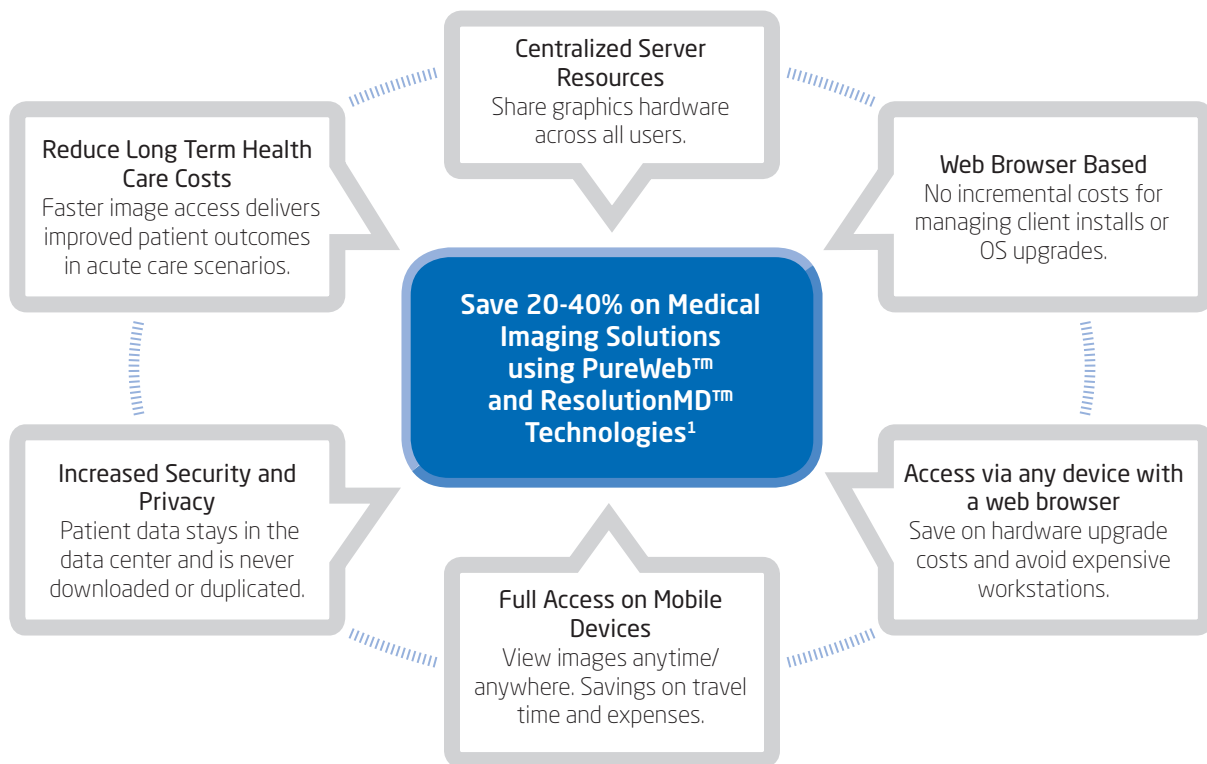
Web based medical imaging solutions based on PureWeb technologies, including the ResolutionMD advanced image viewer, save you money by shifting costs for advanced image rendering hardware and software from individual workstations to centralized server resources. These resources can be shared across a large number of users and scaled to most effectively meet image viewing requirements. Users not only save on the initial purchase costs of the hardware and software, but also significantly reduce the ongoing operational costs because of the shared and centrally located hardware systems.

PureWeb enables the ResolutionMD solution to enable access using a web browser. ResolutionMD does not require installation of client software, which means there are no incremental costs for managing client installs or OS upgrade and compatibility issues on the user systems. In addition, there is increased flexibility, since users will be able to access advanced imaging applications from any device with a properly configured web browser. In addition, the PureWeb and ResolutionMD solutions provide remote viewing of medical images on mobile devices, providing the added values and convenience of anytime/anywhere access, all via a common server based architecture and software application.

All of this is achieved without a significant impact on applications performance and with increased security and privacy. Confidential patient image data are not downloaded to any user devices and do not leave the data center.

PureWeb and ResolutionMD contribute significant value in the following areas:

- **Security** – confidential patient data remains securely within data center and does not leave server
- **Storage/Network Costs** – patient studies are not replicated outside of the PACS and full studies are not deployed to user devices
- **Convenience and Productivity** – studies can be accessed anytime / anywhere by users with remote access privileges using the iPhone or iPod touch.
- **Enhanced Patient Care** – accessing images conveniently and more quickly in many acute care scenarios has been proven to improve patient outcome and thus, reduce long-term healthcare costs. Web and mobile technologies enables all healthcare professionals to access images outside the confines of the DI reading room, allowing patients to be diagnosed and treated more quickly in acute care and remote patient care applications.



For more information visit www.calgaryscientific.com

¹ Expected range of savings over a 3 year period. Dependent on the specific deployment attributes and alternatives being considered.