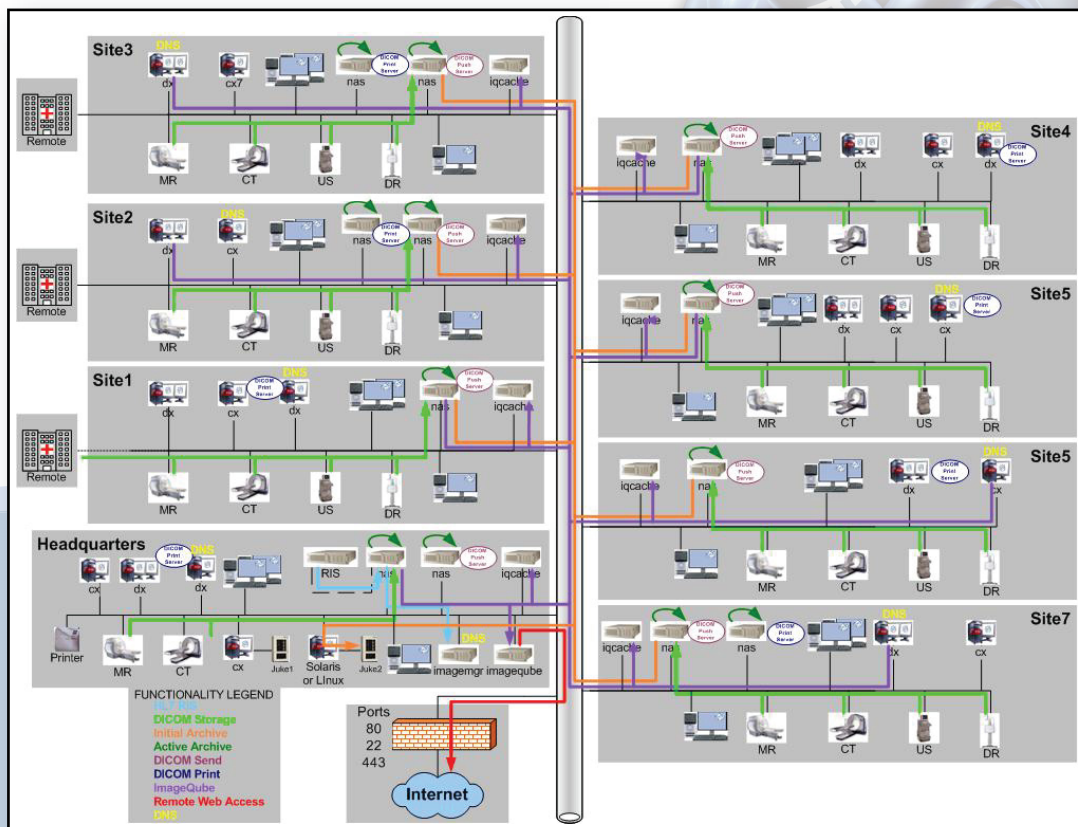


DISTRIBUTED ARCHITECTURE

Intuitive Imaging's image distribution design is highly distributed and customizable, allowing facilities to eliminate single points of failure and maintain efficient network distribution for the WAN. The database manager is the only centric component, and even this can be replicated for high availability requirements.

IntelliNAS architecture is powerful, providing all background process functionality on one device, so these appliances can be located remotely to receive, process and compress images while populating the Image Manager (database) with pertinent reference information. This ensures efficient operation of remote scanners (sending over the Internet is slow and insecure, possibly causing scanner disruption). Also, as these devices are added to the network, they distribute both storage and processing loads of the PACS system. As volume of exams grows, so does the power of the system to handle that growth.



Even with large volumes, the system maintains a small database footprint by archiving series and image information with the exam (removing it from the database) when the exam goes to storage. This blueprint also delivers a 1-2 second retrieval process, requiring only population of the series and image demographics.

The IntelliNAS distributed architecture also allows for multiple copies of exams to exist in separate locations. This not only provides backup copies, but permits a facility to retain exams locally as a convenience to its physicians and patients. This flexibility leads to improved productivity and reliable patient care.