

Wireless Digital Surveillance System

Integral Fusion objective was to develop and implement a fully integrated Digital Surveillance System (DSS) application for Standard Merit in the USA, to enable their customers to monitor and record video surveillance images from remote locations. The development effort entailed some 1320 man days and there were quite a few challenges in implementing this project live on site. Yet, our development and client support team were relentless in their efforts to ensure that delivery and installation were on schedule, and a spectacular success.

DSS is a strong surveillance application with a desktop and web-based application environment for monitoring and tracking any location activities, using high-end digital devices that communicate through a wireless communication protocol. Its hardware components consist of a control unit hub, front doorbell accessory, camera with audio and camera without audio.

Key Benefits

- ✓ Defining and Managing the Role of each Stakeholder
- ✓ DSS Application Process Architecture Designing
- ✓ Comprehensive User Friendly GUI Application Interface
- ✓ Optimized Communication Process Integration with DSS Control Unit(s)
- ✓ Manual Image Synchronization Utility for local Data Migration Processing which Downloads selected Pictures from DSS Control Unit(s) to computer at defined destination Path and then Deletes Pictures from DSS Control Unit Memory.
- ✓ Online Customer Registration & Warranty Registration Process
- ✓ Support Communication with Multiple DSS Control Unit(s) connected with Computer
- ✓ Well Equipped Windows and Web based Image Explorer for 8 Cameras for Easy Navigation and Picture viewing features.
- ✓ Access to Remote E-Commerce Based Surveillance System on Subscription Model
- ✓ Manual Image Synchronization Utility for Remote Data Migration which uploads selected pictures on Customers remote account
- ✓ Unattended Image Synchronization Scheduling which automatically downloads existing pictures from DSS Control Unit and flush the DSS Control Unit Memory. Similarly as per schedule it uploads all nonexistent pictures on Customers Remote Account
- ✓ DSS Device Oriented Application Installation Procedure, which identifies the device on local computer before initiating the installation procedure
- ✓ Ingenious Application Behavior
- ✓ Password Protected Database, Desktop and Remote Application Access
- ✓ Streamlined Integration of DSS Desktop Application processes with Remote DSS Web Application processes.
- ✓ Local Database Backup and Restoration
- ✓ Picture Data Backup, Restore and Archiving Utility
- ✓ Quick and Advanced Searching with DSS Image Explorer
- ✓ Multi-threaded Application environment
- ✓ Live Update Feature
- ✓ Download Section for downloading User Manuals / Latest Updates

Technology

- ✓ Microsoft Development Platform: C#, ASP.Net Framework 2.0, AJAX, Java script, MS Visual Basic 6.0, MS-IIS 6.0
- ✓ Database: MS SQL Server 2000, MS Access
- ✓ Microsoft Documentation Platform: MS Projects, MS Word, MS Excel
- ✓ Adobe Designing Tools: Corel Draw, Photoshop CS2, Macromedia Dreamweaver
- ✓ Packaging Tools: Install Shield 2008