

FOCAL4™

Shared Situational Awareness



Single Unified Operations View

General

The NOTIFIER® FOCAL4™ Shared Situational Awareness solution is a server-based system that brings diverse data sources together in a unified view. This system enables users to streamline operations and support critical decision-making, whether during routine operations or in times of crisis. The evolution of our digital society has sped up our lives significantly, causing cascading events to unfold so rapidly that new tools, capable of integrating and managing information from multiple and diverse data sources, are required to support real-time decision-making and response.

The FOCAL4 Shared Situational Awareness (SSA) System is capable of adapting to various day-to-day or emergency events, regardless of the size or the scale, to enhance the following:

- homeland security
- decision-making
- emergency preparedness
- rapid response
- protection of mission-critical operations

The FOCAL4 solution can streamline operations, enable organizations to leverage and intelligently integrate existing security and non-security related systems. This solution makes better use of available knowledge sources and accelerates the decision-making process across the enterprise.

Using an open, layered and networked architecture, the FOCAL4 System seamlessly integrates and presents events from previously disparate systems in a single, interactive, easy-to-understand interface. There is no need to replace existing systems or acquire other proprietary, or vendor-specific hardware or software. End users can leverage their existing investments from systems such as, but not limited to the following:

- Fire Alarm
- Gas Detection
- HVAC
- CCTV/Surveillance
- Access Control
- Security
- Building Information
- GPS/Geo-tracking, etc.

Using a visual landscape as a foundation, FOCAL4 helps make 'collective sense' from all the information available in a typical Command Center. In addition, FOCAL4 improves the Responders' ability to manage an incident in a timelier and more efficient manner. This feature allows you to share this actionable information among all Responders and Stakeholders, extending the enhanced situational awareness beyond the Command Center to where it is needed most.

By extending this capability beyond the Command Center to a remote mobile platform, the System can provide the local Responders with the ability to deploy the FOCAL4 System for field use. This feature offers individual First Responders direct access to a "common view" of an unfolding emergency event.

To meet the specific needs of the end user, the FOCAL4 System is available for Enterprise deployment or via "Cloud" computing offered as a subscription-based service. The subscription version provides organizations with full FOCAL4 capabilities without the additional capital expense to purchase, deploy and maintain the related hardware and software to support their infrastructure.

By integrating disparate systems and streamlining operations, the FOCAL4 system can do the following:

- maximize infrastructure
- reduce costs
- increase efficiencies
- safeguard business continuity

The Focal4 System is particularly well-suited for several key vertical markets due to their specific needs for effectively coordinated responses to threats to critical infrastructure, across wide geographies, and through multiple response agencies or stakeholders, such as the following:

- Municipalities
- Education
- Safe Cities
- Healthcare
- Transportation
- Large Enterprises



FOCAL4

Features

- Uses an open, multi-layered service/resource oriented (SOA/ROA) networked architecture for easy integration of separate systems combined into one unified graphical platform.
- Designed to be platform independent to run on almost any computing device.
- Available as an Enterprise or Hosted "Cloud" Subscription Service.
- Provides real-time viewing of critical information.
- Displays easy-to-understand, interactive icons, navicons, and alerts.
- Integrates existing CAD floor plans, GIS maps and other graphic assets.
- Geo-locates building features such as electrical panels, control panels, security devices, fire protection equipment, etc.
- Supports the use of Standard Operating Procedures (SOPs) to align response with policies and regulations.
- Offers virtually limitless flexibility and extensibility to adapt to future additions by adding new technologies to the system as needs change.
- Has a fixed or portable deployment option to allow for rapid relocation of the Command Center.

System Requirements

Subscription (Hosted) Service:

Recommended Client Configuration:

OS: Windows®7 Pro 64 bit SP1
CPU: Intel® Core™ i7-3740QM CPU @ 2.70GHz
 (8 CPUs), ~2.7GHz or better
Memory: 8GB
HDD: 500 GB (1 GB Free)
***Graphics:** nVidia® NVS 5200M 1.0 GB or better
Networking: 100 Mbit Connection

Minimum Client Configuration:

OS: Windows® XP SP3 or later
CPU: Intel E7500 2.93GHz (Dual Core) or better

Memory: 2GB
HDD: 320 GB (200 MB Free)
***Graphics:** Integrated / Dedicated Graphics with at least 256 MB

Networking: 100 Mbit Connection

***Note:** For systems running the client software, the graphics cards directly relate to the performance of the system. Dedicated cards are preferred, however integrated cards are supported. Better cards and more memory create better user experiences.

System Requirements (Continued)

Enterprise Package:

Recommended Server Configuration:

OS: Ubuntu® Server | Windows7 Pro 64 bit | Windows Server 2008/2012
CPU: Intel ES-2670 Xeon 2.6GHz
 (8-cores with hyper-threading) or better
Memory: 16GB
HDD: 2 - 500GB SATA drives (total of 1TB)
****Graphics:**
Networking: Standard Broadcom® 1Gbit Connection or better

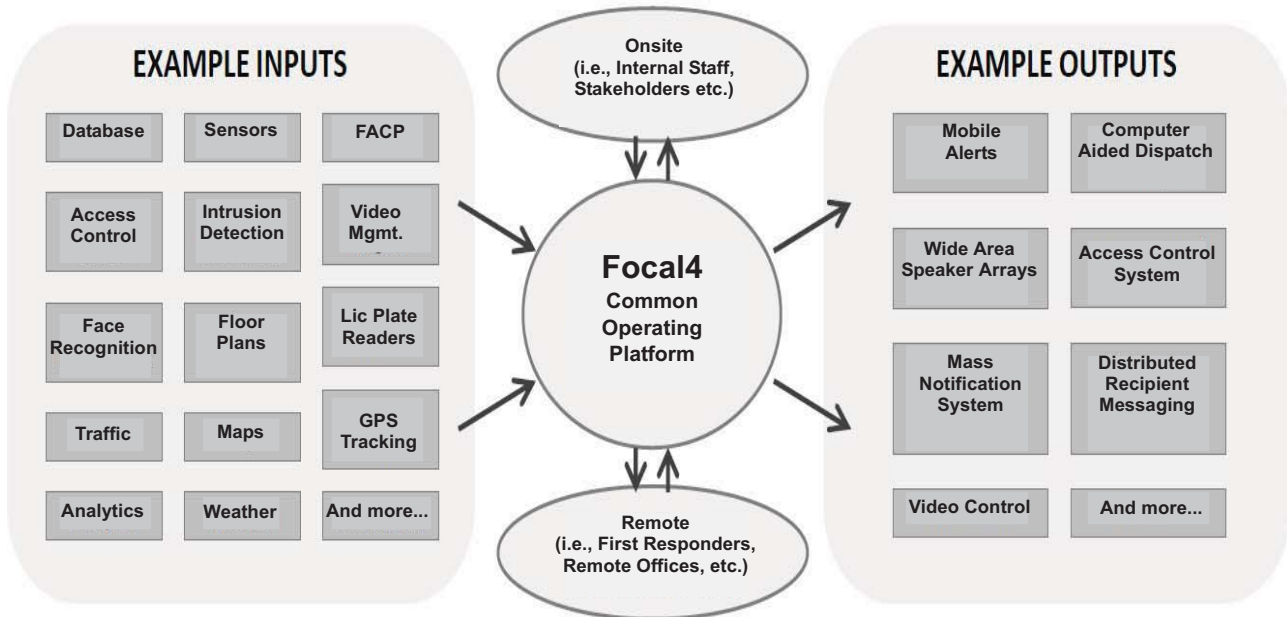
Minimum Server Configuration:

OS: Ubuntu Server | Windows7 Pro 64 bit | Windows Server 2008/2012
CPU: Intel E7500 2.93GHz (Dual Core) or better
Memory: 4GB
HDD: 500 GB (300 GB Free)
****Graphics:** n/a

Networking: 100 Mbit Connection

****Note:** A dedicated graphics card is required if the server will be running the client software. The card specified above has been used in installations where the software was running in multi-channel mode across multiple monitors.

Figure 1 Sample Deployment of Systems



Ordering Information

Hosted "Cloud" Subscription (Annual Contract)

F4Z1000S	FOCAL4 Basic Package - Includes map, 3 GIS layers, 300 geo-located fire points, unlimited fire, security and gas detection annunciation
F4U085S	User License - One person
F4B400S	Building Management Optional Package - One 3D building model, six 3D floor models - One building management system interface, 50 geo-located points
F4V100S	Video Management Optional Package - One video management system interface, 50 geo-located camera points
F4G200S	GPS System Optional Package - One GPS system interface, geo-tracking of 100 vehicles
F4M300S	Mobile Camera Optional Package - One mobile/cellular camera system interface, 50 geo-located cameras
F4W500S	Weather Optional Package - NOAA weather integration
F4W600S	Access Control Optional Package - One Access Control System interface, 50 geo-located points
F4AM1000S	Asset Marking Toolkit

Hosted "Cloud" Subscription Add-on Licenses

F4X60100S	Tier A Resource - per license
F4X70100S	Tier B Resource - per license
F4X80100S	Tier C Resource - per license

Hosted "Cloud" Subscription Add-on Configurations

F4X20200S	Build-out Floors Standard Graphics - per floor
F4X20300S	Build-out Floors Premium Graphics - per floor
F4X60200S	Configure/Geo-locate Cameras - per camera
F4X70200S	Configure/Geo-locate Assets/Points - per point

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nVidia® is a registered trademark of nVidia Corporation.
Ubuntu® is a registered trademark of Canonical Ltd.
Windows® 7 is a registered trademark of Microsoft Corporation.



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We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.

For more information, contact Notifier. Phone: (203) 484-7161, FAX: (203) 484-7118.
www.notifier.com

Ordering Information (Continued)

Enterprise Deployment

F4Z1000E	FOCAL4 Enterprise Core System - Includes Basic, Building Management, Video Management, GPS and Weather System Packages
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Enterprise Add-on Licenses

F4S100	Server Software - per license
F4S200	Backup Server Software - per license
F4X60100	Tier A Resource - per license
F4X70100	Tier B Resource - per license
F4X80100	Tier C Resource - per license
F4XE1010	Video Engine - per license
F4XE1020	Generic File Engine - per license
F4XE1030	GPS/Geo-tracking Engine - per license
F4XE1040	GIS Engine - per license
F4XE1050	Incident Engine - per license
F4XE1060	Weather/Radar Engine - per license
F4XE1070	Sensor Engine - per license
F4XE1080	Terrain Engine - per license
F4XE1100	Database Engine - per license
F4XE1200	Mobile Camera Engine - per license
F4XE1300	Access Control Engine - per license
F4Z1000DEMO	FOCAL4 Demo (Requires Training Certification) - per license
F4AM1000	Asset Marking Toolkit - per license
F4X80005	Additional Enterprise Browser User - per user

Enterprise Engineering Services

F4X10200	Engineering/Customization Services - per hour
F4X20200	Build-out Floors Standard Graphics - per floor
F4X20300	Build-out Floors Premium Graphics - per floor
F4X40100	Additional System Commissioning & User Training - per day
F4X60200	Configure/Geo-locate Cameras - per camera
F4X70200	Configure/Geo-locate Assets/Points - per point

Enterprise Renewals

F4MSU10010	Annual Maintenance Support - FOCAL4 Enterprise (F4Z1000E) - per year
F4MSU30010	Annual Maintenance Support - FOCAL4 Enterprise Add-On Licenses - per year
F4MSU30030	Annual Maintenance Support (FOCAL4 Enterprise Additional Users) - per user



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