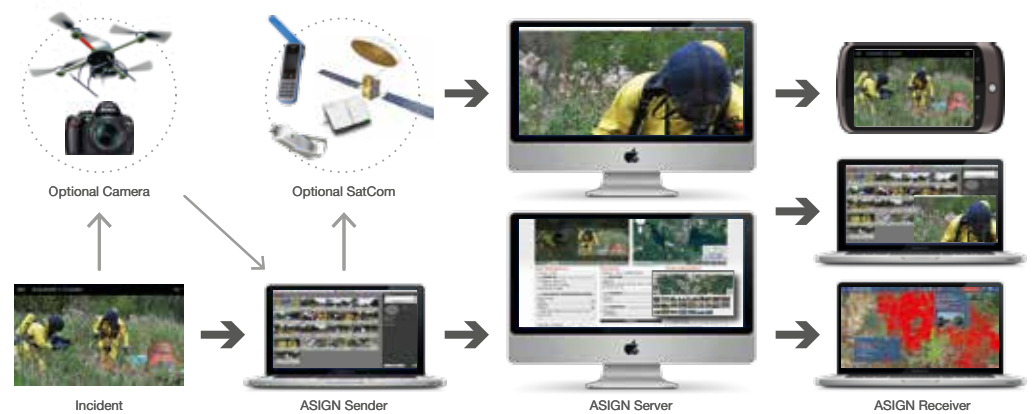


AnsuR ASIGN

The Ultimate Solution In Situational Awareness



"ASIGN is a pioneering location-based adaptive image communications solution for environment, emergency and disaster management."

- Global Telco Magazine

AnsuR ASIGN is a robust high-resolution photo and video communications management solution. In many situations, Geo-referenced High Resolution Images are essential. Certain critical situations such as disaster and emergency management and surveillance require nearly real time information over mobile networks or low capacity links, such as satellite or TETRA.

The award-winning ASIGN (Adaptive System for Image Communications in Global Networks), by AnsuR, is optimized for the quickest transfer and the least capacity requirement maintaining the full quality high resolution of key elements, even over unknown and unreliable channels.

ASIGN is based on the robust GR4-COMS protocol developed by AnsuR, and achieves essential goals, such as universal coverage, independence from local infrastructure and consistent global performance.

ASIGN is based on fundamental challenges in digital communications. Requirements for capacity in communications increase substantially with higher resolution image material. However, during disasters and emergencies, remote areas may have reduced cellular or satellite coverage and the digital communications capacity may be less than required. Reliable systems need to work always and anywhere. ASIGN by AnsuR solves this challenge optimally.

Full resolution based on user needs

ASIGN utilizes a two-step approach with the AnsuR GR4-COMS protocol. The first input is a form of preview; or "a sign". Signs are shown in the server overview page. From this an operator can, using an easy to use Web interface, click on specific image pages and request any region of interest in any desired quality from the images or videos available. It is even possible to request best quality within a given time-limit.



OBSERVE

Geo-referenced multimedia situational awareness



DECIDE

Integration with maps and satellite images



ACT

Rapidly available coordinated information

Congestion avoidance

During critical situations communication networks may congest. Chances for congestion increase if multiple field teams send too much high-resolution image material without proper coordination. ASIGN offers an easy to use central control over how the system uses the network resources, and significantly reduces the chances of congestion.

Geo-referenced reliable information

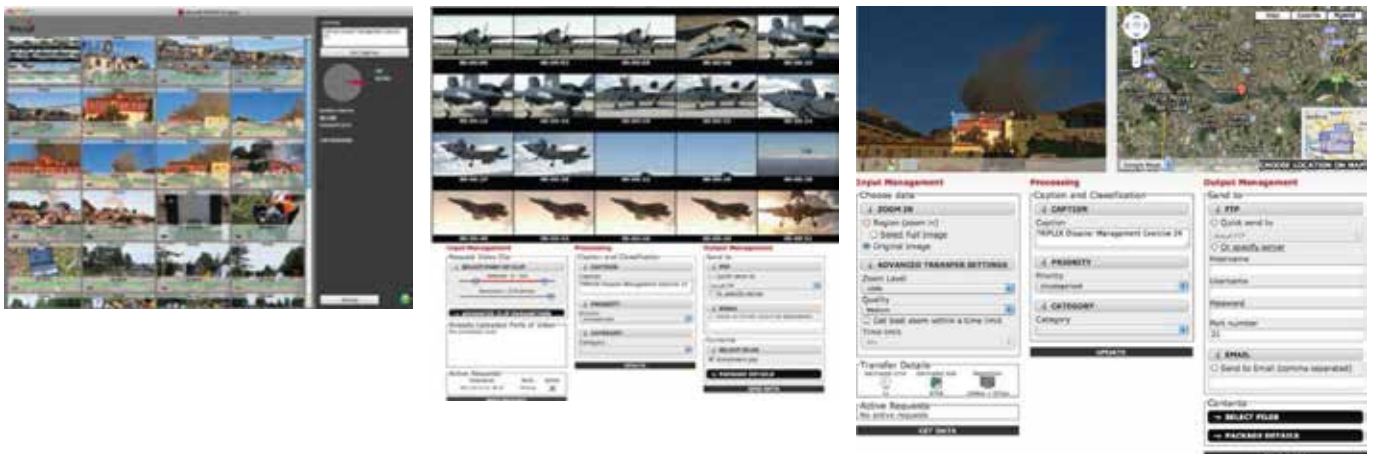
The geo-reference allows simple integration with GIS systems and makes the information reliable. By default Google maps and OpenLayers are used, but custom WMS servers can be integrated. Satellite Earth Observation requires an in-situ component for complementary observations and verifications. ASIGN can be this in-situ component, and can also work with various sensor data, offering access to high resolution measurements from decimated initial inputs.

Robust solution for multiple platforms

- ASIGN field communicator on PC:
Using a network interface (WiFi, Ethernet, modem) for the communication of the data and external GPS and camera.

- Smartphone versions of ASIGN:
Smartphones integrate all the necessary peripherals and interfaces for retrieving high-resolution geo-referenced images and video that can be efficiently communicated with ASIGN.

- ASIGN solutions for aeronautical platforms:
A powerful tool for real-time communication of Earth observation images retrieved by UAVs (Unmanned Aerial Vehicles) and micro drones.



Global Headquarters

Martin Linges Vei 25
1330 Fornebu
Norway

Contact

assign@ansur.no
+47 6400 9456
www.ansur.no

Main Features

- Optimal management of image communications
- Easy to use, powerful integrated solution
- Situational awareness and integrated operations
- Well integrated from camera and sensors, via server to receivers
- Direct geo-tagging and interface to GIS systems
- Low cost, low delay, low bandwidth and highest resolution
- Robust GR4-COMS transfer protocol that does not need stable links
- Central ASIGN Network resources control
- Custom integration options to user equipment or servers
- Runs over any IP network; satellite, TETRA, mobile GSM/3G etc.

Applications

- Field operations with image coordination
- Disaster and emergency management
- Governmental operations, scouts, surveillance
- Interactive inspection, verification, training
- Police, fire, ambulance, civil protection.
- Journalists; rapid publishing, direct web update