

IM OnScene – Recorded 360° Video Maps For your Facility

THE FUTURE OF FACILITY VIDEO MAPPING AND NAVIGATION.

PATENTED 360° VIDEO TECHNOLOGY

The VMAP system employs a geodesic array of 11 video sensors that capture video in all directions.

VMAP Nuclear can capture imagery of your plant's buildings and facilities that helps engineers, work planners, and maintenance workers see into the intricate facility without risking unnecessary worker exposure.

VMAP sets the standard for 360° Spherical Imagery with the Dodeca® 2360. Using 11 video streams arranged according to geodesic geometry, our cameras capture complete spherical imagery: high-resolution, 360° views that are seamlessly stitched together.

Completely portable, the result is dynamic, viewer-controlled video that can be used in many applications such as outage service planning, resource management, emergency response operations, and ALARA Health Physics.

Advantages:

- Save Radiation Dosage
- Easily show navigation to critical components
- Map paths to work areas and virtually walk the path
- View work areas to supplement pre-job briefs and promote safety
- Make a 360° visual record of critical enclosures - example: reactor building close-out
- Help in planning for refurbishing and repair of plant facilities



The VMAP backpack recorder contains a navigation unit and shock absorption arm for a smoother video record while navigating difficult industrial layouts.



The VMAP software shows 360° recorded video on the left and a floor plan with calculated routes, recorded paths and items of interest shown on the right..



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IM Live - Streaming 360° Video For your Security

NOW YOU CAN SEE ANYWHERE AND IN ALL DIRECTIONS AT THE SAME TIME - LIVE

LIVE VIDEO STREAMING SOLUTIONS

The dedicated, tactically trained, well-equipped nuclear security officers will counter all threats. Today's technology will only enhance what is already being done today by our highly trained security professionals.



FEATURES OF IM LIVE

- LIVE SPHERICAL VIDEO VIEWING VIA INTERACTIVE IM FLASH® VIEWER
- SPHERICAL WIDE SCREEN VIEWING WINDOW RESOLUTION 600X375 OF HIGH QUALITY RESOLUTION IMMERSIVE VIDEO STREAM (105 DEGREE FIELD OF VIEW)
- WORLDVIEW WINDOW OF 600 X 150 FOR OBSERVING AND MONITORING THE ENTIRE 360 DEGREE WORLD
- TOTAL VIEWING WINDOW RESOLUTION OF THE IM LIVE FLASH PLAYER FOR THE VIDEO AND THE WORLDVIEW COMBINED IS 600 X 525
- FULL SCREEN VIEWING OPTION IS AVAILABLE
- SCALABLE STREAMING DISTRIBUTION WITH FLASH MEDIA INTERACTIVE SERVER 3 STREAMING DISTRIBUTION VIA LIMELIGHT NETWORKS
- RECORD UP TO 8 HOURS OF IMMERSIVE VIDEO WITH IM RECORDER

LIVE SECURITY SOLUTIONS

The security of nuclear facilities is under more intense scrutiny—both by defenders and by potential attackers—than ever before, and not only in the United States. Old security standards are now admitted to have been inadequate, but enhanced standards have not yet been officially defined and uniformly implemented.

Nuclear security is based on a concept termed "defense in depth." The defense-in-depth concept requires that each nuclear facility be surrounded by concentric security barriers. Barriers and fences are monitored by intruder-detection devices, and checkpoints staffed by armed guards. A large number of guards are on duty at all times at a typical nuclear power plant, and vehicle gates, doors, and the like remain locked.



VMAP IM LIVE solutions will help to enhance this highly trained force by providing complete visibility around nuclear facilities. This technology will supplement your security force and provide them with the tools necessary to remotely assess all threats to the facility.

