

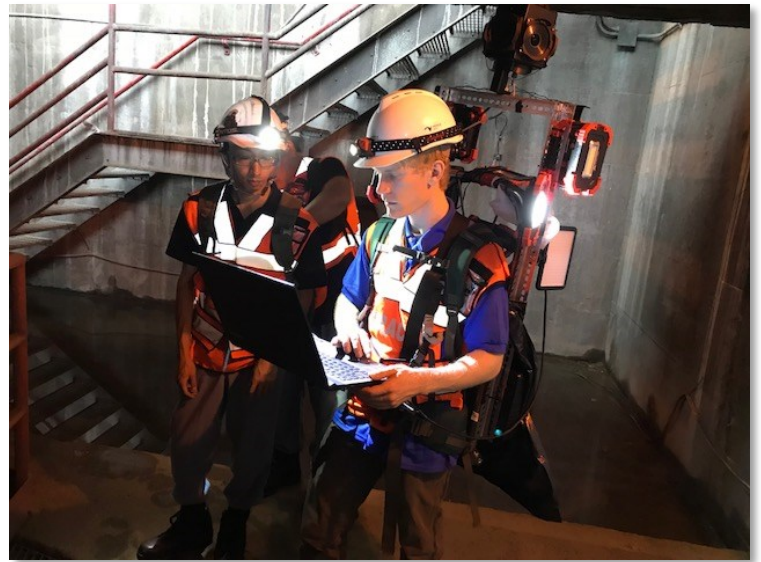
Mobile 360° Imaging System



What does our technology do?

Mobile 360 Imaging System (M360IS) is a high-resolution 360° spherical video system that allows for real-time mapping of structural surfaces. The system has recently been used to map tunnel systems, including shafts and auxiliary rooms.



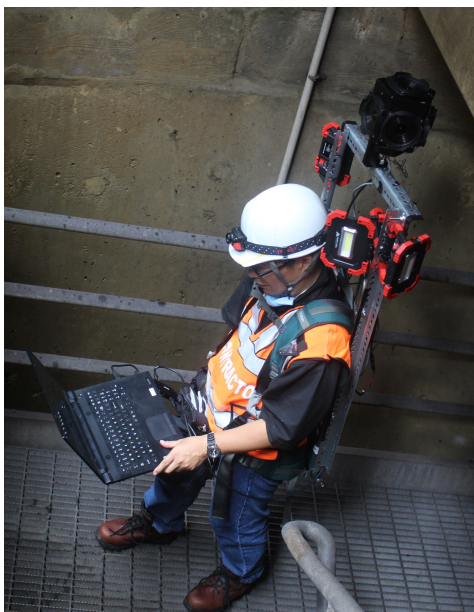


Benefits of using M360IS

M360IS utilizes six cameras with individual vantage points, instead of mirrors or fisheye lenses, to create high quality 360° video that covers 90% of a full-sphere. Pre-calibrated cameras eliminate the need for lengthy manual lens focus exercises on-site and the system stitches the images automatically, making post-processing very easy.

M360IS can be mounted on a truck bed to scan tunnel surfaces or be carried as a wearable backpack camera for locations that are difficult to access.

Technical Specifications



Resolution	2048 x 2448
Frame Rate	10FPS JPEG Compressed; 5 FPS Uncompressed
Megapixels	30 MP (5 MP x 6 sensors)
Chroma	Color
Pixel Size	3.45 μm
Optics	6 High Quality 4.4 mm focal length lenses
Operating Temperature	0 to 45 Celsius degrees
Environmental Sensors	Temperature, Barometer, Humidity, Accelerometer, Compass
Spherical Distance	From 2 m to infinity
Lighting system	LED
Backpack Version Luminous Flux	10,000 lm
Truck Version Luminous Flux	30,000 lm
Backpack Version RTOSC	2 hours
Truck Version RSV	10 mph

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