

Slope Vision

A georeferenced
view of a mine



Evolutionary Georeferenced Camera System

Slope Vision is an evolutionary georeferenced camera system tailored specifically to the geotechnical industry's needs.

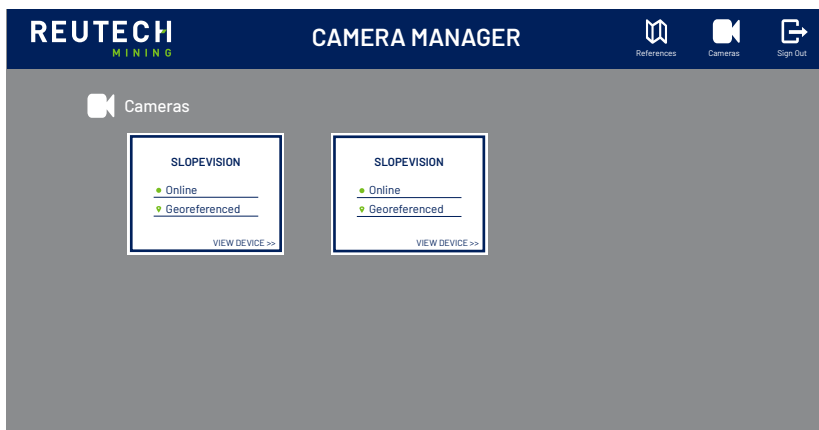
The Slope Vision system comprising of a high-definition camera and advanced software, enables the user to command the camera to specific georeferenced coordinates or points of interest.

While performing real-time monitoring, utilising the Movement and Surveying Radar (MSR), Slope Vision provides the user with a high-definition PTZ camera system to monitor all operations in the field of view. Once the MSR detects instability the Slope Vision can be tasked to investigate a specific point for any period of time without affecting the operation of the radar.

Autonomism

The camera of the Slope Vision solution can be mounted on a Reutech MSR, Reutech MPP or a fixed point on the mine site. The images are digitally transmitted to the Slope Vision software and can provide footage of any selected point.

The system can be commanded from the both the Slope Vision software and the MSR software to view an area where geotechnical warning(s) or alarm threshold(s) was breached, allowing viewing or recording of these areas, while the MSR continues with its primary function of critical slope stability monitoring.



Features

- Slope Vision software has the ability to connect 4 cameras.
- Image and Video formats are compatible with most 3rd party software
- Multilingual software is available for iOS, Android and Windows platforms for ease of use
- Slope Vision can be programmed to record at predetermined dates or times
- Automatic Defog
- Electronic Image Stabilization (EIS)
- Vandal Resistant Bubble
- Up to 32GB Edge Storage with Micro SD Card (optional)
- 3D Noise Filtering
- 130dB Wide Dynamic Range (WDR)

Technical Specifications

- Field of View: PTZ (360° azimuth, 0° to 90° elevation)
- Resolution: Full HD (1920×1080)
- Zoom: 30 x optical zoom
- Standard Operating Temperature: -45°C to 60°C / -49°F to 140°F sustained operation
- Cold Option Standard Operating: -45°C to 60°C / -49°F to 140°F sustained operation
- Power Requirements: 100-240VAC 50-60Hz | 24VAC, 24VDC
- Video Management Software: VideoXpert