

## Fiber Optic Investigation: The See Snake



*Vertical cracks in an internal cast iron roof leader were identified using the See Snake.*

*Photos by Kent Diebolt*

*Fiber-optic investigation of a drain pipe embedded within a masonry wall at St. Thomas Church in New York City.*



*A portable monitor allows the investigation to be viewed live while a VCR records the video feed and narration made on site.*

**T**ogether with a rigid fiber-optic borescope and metal detector, Vertical Access owns and operates a fiber-optic diagnostic tool called the “See Snake” for the investigation of internal leaders/drain pipes, duct work, cavity walls, crawl spaces, and other locations where human access is not possible.

This rugged device consists of a miniature video camera with wide angle lens and built-in light source attached to 200 feet of heavy duty fiber-optic cable.

The See Snake has a portable monitor and VCR that is utilized on site for viewing and recording the video feed and operator’s narration. The See Snake can be used to investigate pipes 2 to 8 inches in diameter and can navigate horizontal and vertical surfaces as well as difficult 90° bends, diagonal runs, and connections.

A built-in odometer records the total distance that the camera travels to assist in locating areas of deterioration. An added feature is a built-in radio transmitter for pinpointing the camera within walls or other concealed locations.

*For more information: <http://www.seesnake.com>*