Processing and analyzing images from pushframe cameras poses a difficult challenge when compared to typical frame or pushbroom instruments.

The Mars Science Laboratory (MSL) Mars Hand Lens Imager (MAHLI) Flight Instrument

The MSL Mars Hand Lens Imager (MAHLI) flight instrument has been completed and delivered to JPL for installation on the rover. MAHLI is a focusable color camera that can image geologic materials at resolutions as high as 14 microns per pixel.

The Mars Science Laboratory (MSL) Mars Descent Imager (MARDI) Flight Instrument

The MSL Mars Descent Imager (MARDI) flight instrument has been completed and installed on the rover. MARDI will provide hundreds of color images during the descent of MSL to the martian surface in 2012.