

## Current MONSOON Users

Here is a list of current MONSOON systems in use and the facilities employing this technology.

◆ **DECam**     <http://decam.fnal.gov/>     **64 Imaging CCDs + 6 Guide/Focus CCDs**



FermiLab



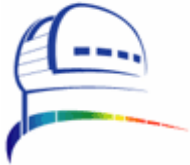
UIUC



Barcelona



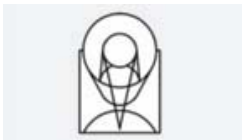
Madrid



Cerro Tololo International Observatory

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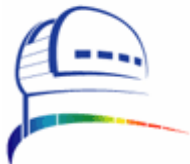
◆ **WHIRC**     **Sixteen Channel IR – VIRGO Detector**



STSci (First light due June 2007)

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◆ **NEWFIRM**     **256 Channel Dual DHE IR – Four 64-output Orion II Detectors**



NOAO (First light February 2007)

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◆ **FHIRE and FHIRE-II – Two 2.6k x 4k 2-Output CCD (x 2)**



Indiana University  
In process at IU

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◆ **WIYN Bench Spectrograph Detector Upgrade - 2.6k x 4k 2-Output CCD**



WIYN  
Under construction at NOAO

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◆ **QUOTA 32-Channel Quad OTA CCD**



WIYN (First light October 2006)

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◆ **One Degree Imager (ODI) 256 Channels - In design. 64 4k x 4k OTA CCDs**



WIYN

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**System Costs:**

The nominal cost of a MONSOON system is calculated to cover NOAO's expenses incurred in assembling and testing a system. The overall cost depends on several factors including the user's support level choices. Of course, component costs at the time of assembly would also be considered, as well as the inclusion of custom transition boards.

8-Channel CCD Systems start at \$18,000, 16-channel IR systems start at \$25,000 for tested and calibrated hardware and the basic MONSOON pan software only. Support packages for system setup and code for running a detector are available and range from hourly support up to unlimited support for a year. Custom transition boards to interface to your application start at \$10,000.