Quoted To:

UCAR  
P.O.Box 3000  
Boulder CO

Quotation Valid Thru : 11/08/2004

Terms : See Below

FOB: Tucson

Item Quantity Part / Rev / Description / Details Unit Price Extended Price
005149-01Our Quotation #  

001 0000 Rev -  

Series 800 Cooled CCD camera fitted with an KAF 4320E CCD.  
The CCD has 2048 x 2048 24 micron pixel format. The CCD is  
grade 1. The CCD is built with the Indium tin Oxide front illuminated  
gate structure for a mid-band peak Q.E. response of ~65% at 550  
nm. (Not verified at SI)

The camera is provides four readout ports operating at 3MHz. The  
camera will use 14-bit AtoD converters. Dynamic range is 16,000:1.

At a read out rate of 3MHz and binned 1x1 the expected read noise is ~40e- (AtoD quantization noise limited). 1x1 bin full frame read  
rate TBD.

The camera is cooled to -30°C by use of a thermo electric closed  
cycle liquid cooling unit.

The camera provides a maximum single pixel capacity of at least  
450,000e-.

The camera consists of the camera head, a power supply unit that is  
connected to the camera head by a 20’ cable, a PolyScience Model  
612 liquid chiller that is connected to the camera head by 20’ cooling  
lines, a PCI camera communication and data interface module that  
connects to the camera controller by a 20’ ATA style parallel data  
interface.

The camera is supplied with SI Image camera control and image  
acquisition software. Images can be saved in TIFF or FITS formats.

Technical specifications are complete, adequately defined, and can be met by Spectral Instruments.
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Proper values for the items listed as TBD will be available in 4 weeks.

Terms: Net 30

Warranty: 12 months

Delivery: 18 weeks ARO

Rev. 1: Extended Expiration Date

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