

05/25/2004

Quoted To:

UCAR P.O.Box 3000 Boulder CO

Spectral Instruments

Quotation Valid Thru: 11/08/2004

Terms : See Below FOB: Tucson

Attention: David Elmore

Phone (303)497-2176 Fax (303)497-1589

Item	Part / Rev / Description / Details	Quantity	Unit Price	Extended Price
001	0000 Rev -	1.00	68,774.00000	US\$ 68,774.00
	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.



420 N Bonita Ave. Tucson, AZ 85745 phone: (520) 884-8821 fax: (520) 884-8803 e-mail: info@specinst.com

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Item	Part / Rev / Description / Details	Quantity	Unit Price	Extended Price
	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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