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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

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so your equipment works exactly as you specify.

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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *National Instruments SH68-C68-S* at our website: *Click HERE*

600 Series System 2362-1

Specifications *(Subject to Change Without Notice)*

Camera Performance

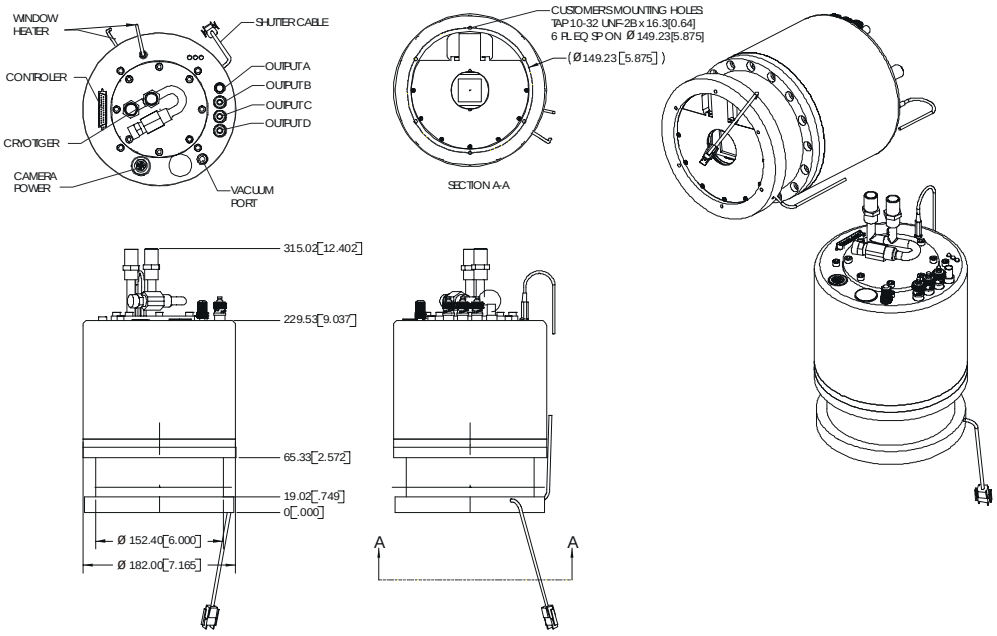
Digitization Precision	16 Bits
Number of Readout Ports	1
Cooling	Closed Cycle Joule-Thompson
Operating Temperature	-105°C ± 5°
Typical Dark Current @ -103°C	0.0002e⁻/pixel/second
Maximum Dark Current @ -103°C	≤ 0.001e⁻/pixel/second
Typical Readout Noise @ 100kHz	2.9e⁻
Maximum Readout Noise @ 100kHz	≤ 4.0e⁻
Typical Readout Noise @ 900kHz	14.1e⁻
Maximum Readout Noise @ 900kHz	≤ 18.0e⁻
Typical Serial CTE at 5000e⁻ level	0.999996
Minimum Serial CTE at 200e⁻ level	≥ 0.99995
Typical Parallel CTE at 5000e⁻ level	0.999999
Minimum Parallel CTE at 200e⁻ level	≥ 0.99995
Typical 2x2 binned Full Well	185,000e⁻
Typical Single Pixel Full Well	140,000e⁻
Minimum 2x2 binned Full Well	≥ 140,000e⁻
Linearity from 0% to 80% of Full Well	1% +50 e⁻
Operating Temperature Range	+15°C to +35°C
Operating Humidity Range	< 60% Relative Humidity
Shutter Type	45mm clear aperture
Minimum Exposure	30.0ms
Readout Speeds	100kHz, 200kHz, 500kHz, 900kHz
Min Full Frame Readout Time, 1x1 binned	7.1 seconds
Min Full Frame Readout Time, 2x2 binned	2.7 seconds

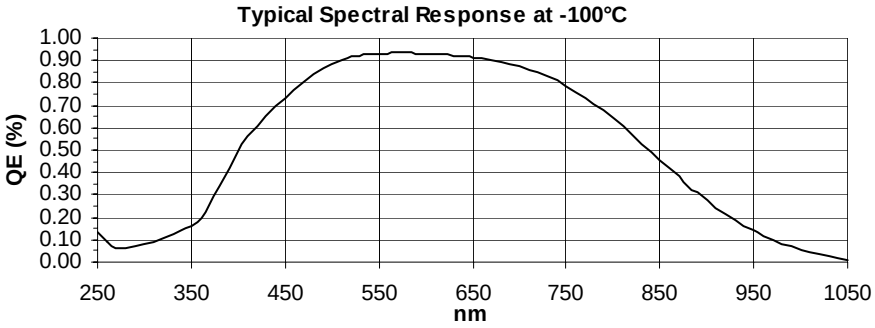
CCD Details

Manufacture	E2V Technologies
Model	CCD42-40 AIMO Back Illuminated
Active Array Size	2048 x 2048 pixel
Pixel Size	13.5 µm x 13.5 µm
Active Image Area	27.6 x 27.6 mm
Architecture	Full Frame Three Phase
Backside Process	Basic Process
AR Coating	Mid-band

Communication

Trigger Connection	4 pin LEMO
Trigger Signals In	Configurable TTL or Opto-Isolated
Shutter Sync Out	Configurable TTL or Opto-Isolated
Shutter Connection	2 pin LEMO
Data	AIA Cable to PCI board
Drivers	Windows and Linux Available
Software	Labview Based SI Image Software





Minimum Response (QE): 15% @ 350nm, 40% @ 400nm, 85% @ 500nm, 85% @ 650nm, 30% @ 90nm

Spectral Instruments
CCD Cameras and Analytical Instruments
420 N. Bonita Ave.
Tucson, AZ 85745
520-884-8821
www.specinst.com

P/N 4010

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We buy equipment

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