

Delay Line Trolley & Metrology Components List

Version 0.4

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| Component | Type | URL |
|---|--|---|
| Trolley Motor | Maxon EC60 + encoder | www.maxonmotor.com |
| Servoamplifier | Maxon 4-Q-EC servoamp DES 50/5 | “ “ “ |
| Servocontroller | PMAC2A- PC104 + Opt2A + Opt12 | www.deltatau.com |
| Gearbox options | Spiradrive 19mm 10.25:1 Bayside Stealth RS60 10:1 | www.davall.co.uk www.baysidemotion.com |
| Steering motor | M-2222-6.0D stepper motor (Servo Systems Inc) | www.servo-systems.com |
| stepper motor driver module | Intelligent Motion Systems IB106 | www.imshome.com/ |
| Steering encoder | QR30-360B-V-K-5V Quadro-R rotary encoder (Dewit industrial sensors) | www.dis-sensors.nl/ |
| Tilt Sensor | SCA111TD02 | www.vti.fi |
| Cats eye/trolley differential sensor | Micro-epsilon U15 + DT3010A signal conditioner | www.micro-epsilon.com |
| Secondary tip/tilt piezo | PiezoJena PSH 10/2 | www.piezojena.com |
| Secondary focus drive | 8301 Picomotor actuator plus 8703 drive module | www.newfocus.com |
| Secondary focus encoder | RDP Electrosense: D6/05000URA and S7AC | www.rdpelectrosense.com |
| Voice coil actuator | BEI-Kimco LA 25 42 000 | www.beikimco.com |
| Accelerometers | Analog Devices ADXL103/203 | www.analog.com |
| PC104 stack CPU: ADC boards: PSU: | Arcom: Viper Diamond Systems: Diamond-MM-48-AT HE104-HV | www.arcom.com www.diamondsystems.com www.tri-m.com |
| Shear Camera CPU Candidate Camera | Arcom Apollo Unibrain: Fire-i BW Digital Board | www.arcom.com www.unibrain.com |
| Low latency RF link | Applied Wireless: T900AU and R900AU | www.applied-wireless.com |
| RF Ethernet link | D-Link DWL-810+ (discontinued) | www.dlink.com |
| VME System CPU Zigo meas't board 4 i/p carrier board 8 Channel D/A Timing Board | VP325/022-23U Concurrent Technologies ZMI4002 TVME 200-10 (ACAL Technology) IP220A-8 (ACAL Technology) TTM635VME (Symmetricom) | www.gocct.com/ www.lambdaphoto.co.uk www.acalmicrosystems.co.uk “ “ “ www.symmttm.com |