

Materials List for:

Gain-compensation Methodology for a Sinusoidal Scan of a Galvanometer Mirror in Proportional-Integral-Differential Control Using Pre-emphasis Techniques

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URL: <https://www.jove.com/video/55431>

DOI: [doi:10.3791/55431](https://doi.org/10.3791/55431)

Materials

Name	Company	Catalog Number	Comments
Galvanometer mirror	Cambridge Technology	M3s X axis	
Custom-made metal jig	ASKK	-	With circular hole for galvanometer mirror
Optical carrier	SIGMAKOKI	CAA-60L	
Optical bench	SIGMAKOKI	OBT-1500LH	
Oscilloscope	Tektronix	MSO 4054	
AD/DA board	Interface	PCI-361216	
PC	DELL	Precision T3600	
Galvanometer mirror servo controller	Cambridge Technology	Minisax	
Lens	Nikon	AF-S NIKKOR 200mm f/2G ED VR II	
High-speed camera	Mikrotron	Eosens MC4083	Discontinued, but sold as MC4087. The cable connection is different from MC4083
Conveyor belt	ASUKA	-	With a speed-control motor(BX5120A-A made by Oriental Motor), iron rubber belt(100-F20-800A-J made by NOK), and so on
Printable tape	A-one	F20A4-6	
Photographic texture	Shutterstock, Inc.	231357754	Printed computer motherboard with microcircuit, close up
Terminal block	Interface	TNS-6851B	
CoaXPress board	AVALDATA	APX-3664	
MATLAB	mathworks	MATLAB R2015a	