

Optomechanical Assembly									
Part	Description	Supplier	Part Number	Part Link	Quantity	Price		Notes:	
Optical Rail	150 mm, Metric	ThorLabs	RLA150/M	https://www.thorlabs.com/thorproduct.cfm?partnumb	2	45.72			
Dovetail Rail Carrier,	1.00" x 1.00" (25.4 mm x 25.4 mm), 1/4" (M	ThorLabs	RC1	https://www.thorlabs.com/thorproduct.cfm?partnumb	5	26.94			
Post Holder	Ø12.7 mm Spring-Loaded Hex-Locking Thu	ThorLabs	PH50/M	https://www.thorlabs.com/thorproduct.cfm?partnumb	5	7.93			
Optical Post	Ø12.7 mm, SS, M4 Setscrew, M6 Tap, L = 7	ThorLabs	TR75/M	https://www.thorlabs.com/thorproduct.cfm?partnumb	5	5.58			
Socket Head Cap Screws	M6-1.0x10mm	Amazon	~	https://www.amazon.com/M6-1-0-Socket-Screws-St	5	9.19			
NEMA 23 Linear Guide	FUYU FSL40 Linear Guide Rail Motorized N	FUYU (through a	~	https://www.amazon.com/FUYU-Linear-Actuator-Mot	1	174			
Nema-17 stepper		Amazon		https://www.amazon.com/STEPPERONLINE-Steppe	1	13.99			
GT2 Motor Pulley		Amazon		https://www.amazon.com/gp/product/B07JKT5BZQ/r	1	15.99			
GT2 Closed Loop Belt									
Ball Bearing		Amazon		https://www.amazon.com/dp/B082PW8F3S?psc=1&	1	24.95			
Base 20100		Zyltech		https://www.zyltech.com/zyltech-20100-t-slot-alumin	2	43.95		Not a strict dimension requirement	
Screws and Misc									
T-nut	M5x20	Amazon/McMaster		https://www.amazon.com/Hammer-T-Slot-V-Slot-Alur	10	5.5			
Socket Head Cap Screws	M5x8	Amazon/McMaster		https://www.mcmaster.com/screws/socket-head-scre	4 ~				
Socket Head Cap Screws	M3x10	Amazon/McMaster		https://www.mcmaster.com/screws/socket-head-scre	4 ~				
Socket Head Cap Screws	M6x25	Amazon/McMaster		https://www.mcmaster.com/screws/socket-head-scre	4 ~				
Socket Head Cap Screws	M6x16	Amazon/McMaster		https://www.mcmaster.com/screws/socket-head-scre	4 ~				
Projector									
Wintech Pro 4500		Wintech			1 ~				