

Hardware Required for One HandUMI (Single Unit)

Hardware needed to build one HandUMI unit. Prices use the unit cost from the linked listing, multiplied by the quantity needed.

Mechanical & Structural

Part	Qty Needed	Unit Price	Link	Total (USD)*
PLA Filament (only ~200 g needed per unit)	0.2 kg	\$12.59 / kg	Amazon	\$2.52
Rolling Bearing	4	\$13.29 / 20 pcs	Amazon	\$2.66
Linear Bearing	4	\$7.49 / 4 pcs	Amazon	\$7.49
Axle (135mm)	1 rod	\$11.99 / 10 pcs	Amazon	\$1.20
M3 Hardware Kit (750 pcs)	5 total (1 @M3x20mm + 2 @M3x12mm + 2 @M3x15mm*)	\$9.99 / 750 pcs	Amazon	\$0.07
Velcro Tape	50 cm	\$15.78 / 500 cm	Amazon	\$1.58
M2 Hardware Kit (660 pcs)	16 total (8 screws + 8 nuts)	\$7.99 / 660 pcs	Amazon	\$0.19
Subtotal				\$15.70

Electronics

Part	Qty Needed	Unit Price	Link	Total (USD)*
Fisheye USB Camera	1	\$56.99	Amazon	\$56.99
Feetech Servomotor	1	\$13.89	Alibaba	\$13.89
Power Supply	1	\$10.00	Amazon	\$10.00
Feetech Servo Controller	1	\$10.60	Amazon	\$10.60
USB-C Cable	1	\$7.00 / 2 pcs	Amazon	\$3.50
Subtotal				\$94.98

GRAND TOTAL (approx.)	\$110.68
If building a pair (2 units)	\$221.37

***Unit Price** reflects the real per-unit cost from the linked listing (e.g. pack price ÷ pack quantity); Total = Unit Price × Qty Needed. Prices are early reference estimates and may vary with shipping, region, and availability. Grayed-out, italicized items are pending a confirmed link and/or unit price and are excluded from subtotals and the grand total.

Note: this BOM does not include the VR headset (e.g. PICO 4 Ultra / Meta Quest) used for the shared tracking layer. That is a separate, one-time purchase, not duplicated per HandUMI unit.