DIY Dillon 1050 Autodrive - BOM Summary

Part	Qty	Unit Price (USD)	Vendor	URL	Function
Raspberry Pi 4B (4	1	75.0	Adafruit	https://www.adafru	Controlle
Official Pi 7" Tou	1	89.0	Adafruit	https://www.adafru	UI
24V PSU 10A	1	35.0	Amazon	https://www.amazon	Motor & I
Opto-Isolated 8-In	1	18.0	Amazon	https://www.amazon	Field inpu
Relay/MOSFET Outpu	1	15.0	Amazon	https://www.amazon	Lighting/e
E-Stop Button w/ N	1	12.0	Amazon	https://www.amazon	Safety
IR Break Beam Sens	2	8.95	Adafruit	https://www.adafru	Powder le
VL53L0X ToF Distan	1	14.95	Adafruit	https://www.adafru	Powder le
Inductive Prox Sen	1	9.99	Amazon	https://www.amazon	Cycle/pos
Raspberry Pi Camer	2	49.95	Adafruit	https://www.adafru	Orientatio
LED Ring Light 12V	2	16.0	Amazon	https://www.amazon	Vision lig
Camera (shared or	1	0.0	Reuse		Shared w
Mounting Hardware	1	10.0	Amazon	https://www.amazon	Fixture
IR Break-Beam Pair	2	8.95	Adafruit	https://www.adafru	High/Low
or VL53L0X ToF	1	14.95	Adafruit	https://www.adafru	Alternativ
Wire, connectors,	1	20.0	Amazon	https://www.amazon	General v
DIN Rail & Termina	1	28.0	Amazon	https://www.amazon	Panel