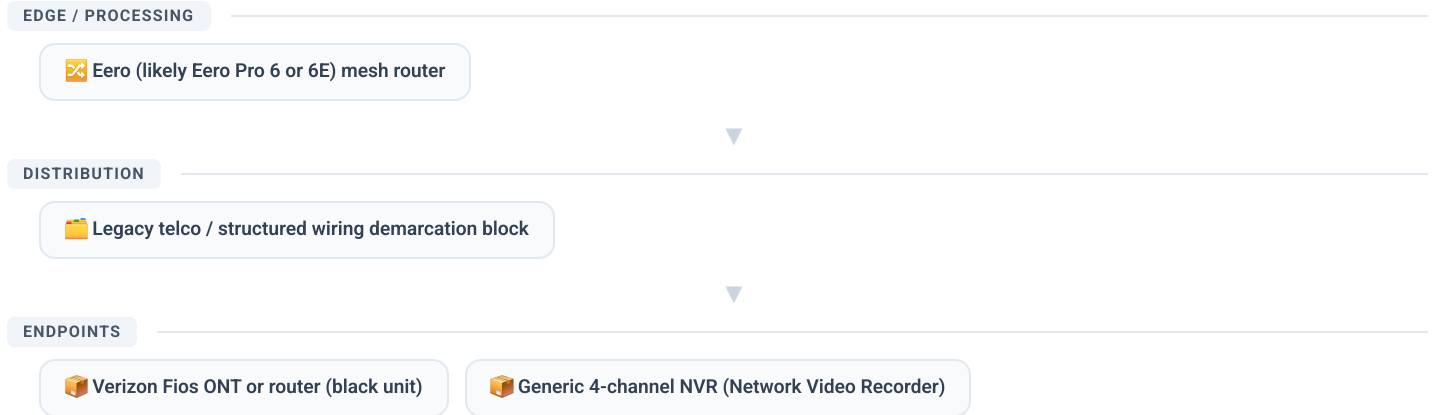


RackScan

Signal Flow Diagram & Device Assessment

DATE: **May 28, 2026**
DEVICES: **4**
CONNECTIONS: **4**

System Tier Diagram



Signal Flow Connections

FROM	TO	TYPE	SPEC
Verizon Fios ONT or router (black unit)	→ Eero (likely Eero Pro 6 or 6E) mesh router	Ethernet	1Gbps WAN uplink
Eero (likely Eero Pro 6 or 6E) mesh router	→ Generic 4-channel NVR (Network Video Recorder)	Ethernet	1Gbps LAN
Legacy telco / structured wiring demarcation block	→ Verizon Fios ONT or router (black unit)	Coax	
Generic 4-channel NVR (Network Video Recorder)	→ Generic 4-channel NVR (Network Video Recorder)	Ethernet	IP camera home runs (multiple Cat5/6)

Device Inventory

DEVICE	TYPE	FUNCTION	CONFIDENCE
Eero (likely Eero Pro 6 or 6E) mesh router	Router	Primary Wi-Fi router / mesh node providing wireless network	high
Verizon Fios ONT or router (black unit)	Other	Verizon-branded device, likely Fios ONT, router, or set-top — provides internet handoff or TV service	medium
Generic 4-channel NVR (Network Video Recorder)	Other	Surveillance NVR recording IP cameras via PoE/Ethernet inputs, with HDMI/VGA monitor output	high

DEVICE	TYPE	FUNCTION	CONFIDENCE
📁 Legacy telco / structured wiring demarcation block	Patch Panel	Wall-mounted punchdown / junction for incoming phone and Cat5 home runs	medium

Client Summary

Your setup is a basic but functional Verizon Fios + Eero Wi-Fi network with a small 4-camera surveillance recorder, installed inside a storage closet alongside household items. The biggest issues are Wi-Fi performance (the router is hidden in a closet), no battery backup or surge protection, exposed legacy wiring, and unterminated structured cables that could be powering a much cleaner system. With a modest investment – relocating the Wi-Fi, adding a UPS and a small PoE switch, and tidying the wiring – this installation can become significantly more reliable, safer, and easier to expand.