ADS for Rural America

Hardware reference list – webinar 29 September 2022

- 2020 Ford Transit 350 HD cutaway cab
- Hexagon | AutonomouStuff
  - https://autonomoustuff.com/
- Starcraft Bus (Goshen, IN)
  - https://starcraftbus.com/
- Midwest Transit (Kankakee, IL)
  - https://www.midwesttransit.com/
- Mandli Communications (Madison, WI)
  - https://www.mandli.com/
- Velodyne VLP-32C and VLP-16 LiDAR
  - http://www.velodynelidar.com/
- NovAtel PwrPak7D-E2 GNSS receiver w/ integrated IMU
  - https://autonomoustuff.com/products/novatel-positioning-kits
- Cohda Wireless MKS OBU
  - https://www.cohdawireless.com/solutions/hardware/mk5-obu/
- Leopard Imaging Cameras
- Laird cellular antenna
- Vaisala Mobile Detector MD30 for road surface sensor
- Continental ARS 408-21 RADAR
  - https://conti-engineering.com/components/ars-408/
- Shore power kit
  - https://www.progressivedyn.com/pd9200-converter/
- 42” Samsung TV
- Passenger tablets – Microsoft Surface Go 2
- Empatica E4 wristbands
  - https://www.empatica.com/research/e4/
- Windows Surface laptop (researcher and copilot interface)
- Ubquiti 802.11 AC Dual-Radio Access Point (UAP-AC-PRO)
  - https://dl.ubnt.com/datasheets/unifi/UniFi_AC_APs_DS.pdf
- Ubiquiti EdgeRouter X (ER-X)
- HD video cameras w/ SDI output
- Transit Information System PC
- AJA Video Systems Ki Pro GO video recorder
  - [https://www.aja.com/products/ki-pro-go](https://www.aja.com/products/ki-pro-go)
- Quantum R3000 data storage system
- Power Distribution System
- 600W inverter
- StarTech USB 3.0 hub
  - [https://www.startech.com/en-us/cards-adapters/st4300usbm](https://www.startech.com/en-us/cards-adapters/st4300usbm)
- Spectra computers running Ubuntu operating system
  - [https://autonomoustuff.com/products/astuff-spectra](https://autonomoustuff.com/products/astuff-spectra)
- Sierra Wireless AirLink cellular modem
  - [https://source.sierrawireless.com/devices/gx-series/gx450/](https://source.sierrawireless.com/devices/gx-series/gx450/)
- Control Ethernet switches
- Intrepid Control Systems neoVI ION datalogger
  - [https://intrepidcs.com/products/vehicle-network-adapters/neovi-ion/](https://intrepidcs.com/products/vehicle-network-adapters/neovi-ion/)
- Safety Driver PC – OnLogic Helix 500 (HX500)
- Safety Driver interface display – SunFounder 10.1” Touchscreen
  - [https://www.sunfounder.com/products/10inch-touchscreen-for-raspberrypi](https://www.sunfounder.com/products/10inch-touchscreen-for-raspberrypi)
- Axis IP cameras
- Mobileye 6 collision avoidance system
- Logitech webcams
- OBDLink EX OBD adapter
- PACMod drive-by-wire system Ford Transit platform
  - [https://autonomoustuff.com/platform/ford-transit](https://autonomoustuff.com/platform/ford-transit)
- Electronic brake booster