

"Proton" HD Production Trailer

Scalable Power for Any Live Event

Proton is a 34-foot HD mobile production trailer built for **high-performance broadcasts** in 1080i, 720p, or 1080p. Outfitted with a Ross Carbonite Ultra switcher, DreamCatcher replay, XPression graphics, Yamaha DM7 audio console, and **flexible camera packages**, it's a turnkey solution for live sports, concerts, and corporate events — delivering **full-scale production in a mobile format**.



Inside, you'll find a fully integrated control room featuring a **Ross Carbonite production switcher**, **flexible audio with MADI and Dante**, **custom monitor walls**, and an RTS intercom system to keep your crew connected and your production flowing. Designed for scalability, **Proton** easily supports **up to 10 cameras** and offers a dedicated **audio booth**, **engineering space**, and **redundant power systems** — all in a clean, efficient layout.

Tech Specs at a Glance

– Proton HD Mobile Trailer

- **Switching:** Ross Carbonite Ultra – 24 input, 2 M/E 3G Switcher with 4 MiniMEs Lance TDC100 Controller, 72x144 HD Router
- **Cameras:** 5x Grass Valley LDK 3000+ Elite Cameras – Black Magic URSA Cameras if 3G is required
- Lens complement to carry based on the show
- **Graphics:** Ross Xpression 3-Channel System with Clips & DataLinq
- MAC M1 Edit suite with Adobe Creative Cloud and Apple FCPX
- **Recording:** 3x KiPro Ultra Plus Decks with 4 Channels of 1080p60 and up to 8 channels of audio. (fourth unit can be added)
- 3x 1T Drives are included; additional drives can be added for a fee.
- **Replay:** 2x DreamCatcher SE with 6 in and 2 out per unit. (Linking between units available)
- 8 TB Network NAS for Client and Production File-sharing (Tied into Dreamcatchers for Social Media Access and Content Ingestion)
- **Network:** Up to 6 24-Port Network Switches with POE+ in a Hub and Spoke Configuration
- Available VLans – Dante Primary, Dante Secondary, Private Intercom, Console Control, NDI/PTZ Control, Truck Network
- **Intercom:** RTS 48 Port ODIN Intercom Frame
- In truck – 2x RTS 5032 (Producer/Director), 5x RTS KP12 CLD (General Positions), 1 RTS KP32 CLD (Audio)
- Deployable Intercom – 8x RTS DBP OMNEO, 2x RTS DKP4016 OMNEO, 1x RTS 5032 OMNEO, Up to 12 channel IFB CH
- **Audio:** Yamaha DM7-EX
- 144x144 Dante Audio connectivity
- 64 channel MADI CARD
- 4x Studio Technologies 204 Dante Announcer Consoles, 3x Studio Technologies 234 Dante Announcer Consoles, up to 6x Studio Technologies Dante IFB Beltpacks
- 4x Sennheiser MKH 416, 8x Audio Technica AT837, 2x Sennheiser MD46, 2x Senkin CoS-11, 2x DPA4099 Lo-Sens
- **Cable:** 1x 1000 TAC 6, 1x500 TAC 4, 2x250 TAC FIBER
- 5000' Triax or 2500' of SMPTE
- 1x 1000' TAC12, 1x 500' TAC12, 4x 200' TAC, 6x 17" HD Field mons
- Power Specifications – Crystal Sync Single Phase 208-240/120 Cam Locks 100 amps
- A-UNIT 38'L 9.5'W 113.5"H,
- B-UNIT 23'L - 8.5W (no power needed)

Power & Dimensions

- Power: Single Phase, 208–240/120 Cam Locks, 100 Amps
- A-Unit: 38' L x 9.5' W x 113.5" H *
- B-Unit: 23' L x 8.5' W (No power required)

With both **SMPTE and TRIAX camera support**, and built-in streaming capabilities, **Proton** adapts effortlessly to modern hybrid events. Whether you're broadcasting to the world or producing on-site for thousands, **Proton** is engineered to meet the moment.