UNITS EXCEED ALL 2022 VIPR COMMUNICATIONS AND HELI-BASE VEHICLE REQUIREMENTS!!!

JPS
AUTHORIZED INTEGRATOR

CloudCasters Mobile UNIFIED-DATA-NETWORK Apparatus:

Designed to support the entire Data / Network / VHF – UHF Radio needs of the NIMS / ICS business unit(s), including IT support staff, while working in a wildland firefighting environment. We have multiple units at the ready.

This mobile solution contains nine COVID-19 compliant workstations with business continuity and data feed redundancy at its design core.

The Apparatus has been engineered to maintain a 99.999% uptime expectation with unlimited Internet feed combinations as a requirement. It is more than enough to support the customer needs of our most data-intensive communication platforms.

When cellular services ARE available, the Data Network Apparatus will initially combine and utilize FirstNet and/or Verizon for connectivity with a complimentary SpaceX Starlink system. Ensuring the reliability of streaming online meetings or briefings and still provide enough bandwidth for any additional data needs.

Two additional 20x5MB Ku band satellites are available as an additional failsafe/failover connection and for redundancy.

The Mobile Unified-Data-Network Apparatus is a deployable cell tower (COW) when <u>NO</u> cellular services are available. It generates an area of FirstNet (Band14), Verizon, AT&T, and T-Mobile Cellular with Wi-Fi coverage.

The NEW 2022 integration of a **JPS RPS Z2 RoIP (Radio Over IP)** device future-proofs the unit's capabilities to service last-mile radio coverage, converge digital and analog communications supporting ALL Push-to-talk over Cellular platforms.

RADIO EQUIPMENT:

- 3 - VHF KNG P-150 w/Desk Mic. and Touch Screen
- 2 - UHF KNG P-400 w/Desk Mic. and Touch Screen
- 2- VICTOR ICOM Mobile Radios
- 2- VICTOR ICOM Portable Radios
- 2- VHF KNG2 P150 CMD Portable BK Radios
- All radio frequency programming included
- RoIP (Radio over IP) JPS equipment Included

VIDEO PRODUCTION SERVICES:

A professional video of your briefings will be streamed live and recorded using 6k cameras. The morning briefings will be broadcast to a secure website (Branded with Forest Service and Team Logo) accessible from anywhere; spike camps, cellular devices or other remote locations. Our stream is specifically designed for locations with poor internet service (example: www.saltfire2021.com). There is no charge for website creation or hosting. A copy with post production edits will be made available quickly after for PIO to post on social media platforms.

Includes an 82"+ LED TV, Yamaha Audio Mixer / PA, 2 Wireless Sure Microphones, Stage Lighting and 2 2000w Speakers to present professional briefings. Our PA is needed for audio output directly into the camera for guaranteed quality. (*To guarantee service - All locations send/receive will require the use of our unlimited Satellite data circuit /1:1)

Example:
([https://DixieFire2021.com)](https://DixieFire2021.com) / (https://saltfire2021.com/archive/7.10.2021)

NETWORK-IN-A-BOX:

The NIB is rack mounted, designed to be scalable and the first computer network built at the beginning of an incident supporting all the ICS business units. Its capacity "grows or shrinks" in place for the duration of the incident, eliminating the disruptive network rebuild during the transition of IIMT teams.

- 16 - Ruggedized 1GIG 8 port POE switches for placement in each of the 12 Camp-in-a-Box trailer/yurts. (supporting printing, data storage devices of the business unit)
- Complete WIFI / Camp Distribution through Access Points w/ Optional Guest Network.

FEATURES

- Mast: 30' Pneumatic operation
- Data Feed(s) (Primary): SpaceX Starlink, FirstNet & Verizon (Unlimited Data Usage included)
- Data Feed (Secondary): x2 1.2-meter satellite circuit (20x5mb)
- Broadcast (Wi-Fi): Mesh Wi-Fi (& Provides Guest Wi-Fi)
- Broadcast (Cellular): Mini Cell Tower providing Verizon, AT&T, FirstNet [Band 14] & T-Mobile (4G, 5G)
- 4 – Large screen (interior and exterior) integrated LED Smart Monitors.
- External PA system
- 2 - Multi-Monitor Computers with MS Office
- 2 - Multi-Function Network Fax/Color Printers
- 1 - NAS Network Storage Device for Document Repository / Sharing
- Long Range Kit: Connect distant locations up to 5 miles
- 5 - VOIP Lines with Cordless Handsets / Includes 1 POLYCOM Conference Phone.
- Ultra-Quiet Onan Generator / Battery Backup and Solar Ready/Redundant Power.
- Power Generation: Generator 1 (Primary) / Generator 2 (Secondary) / Shore Power /
- Power Redundancy: Uninterruptible Power Supply
- Radio Over IP (RoIP): JPS RoIP, Push-to-talk over Cellular (RSP-Z2 integrated w/ Z-Series Controller)
- Network Rack: Cradlepoint (NetCloud Managed Router), Ubiquity Hardware (Access points, 24 port switch 250w PoE)
- IT Security Compliant: VLAN Network Segmentation & Firewall integration (ICS; Finance, GIS, PIO, Guest, etc.)
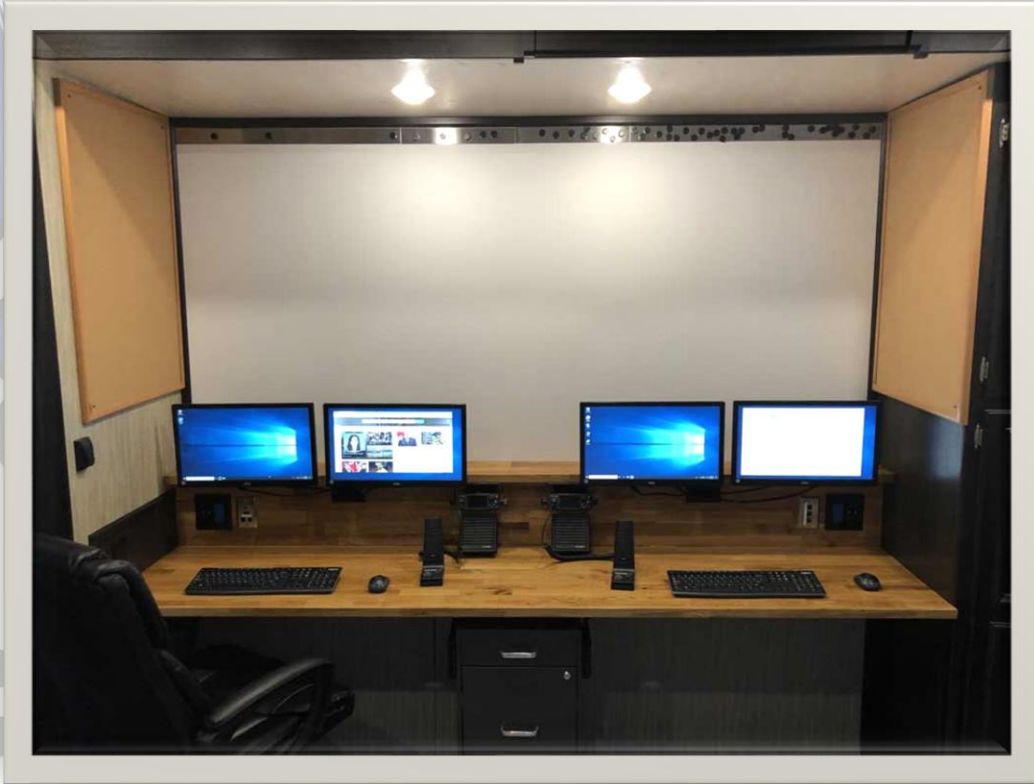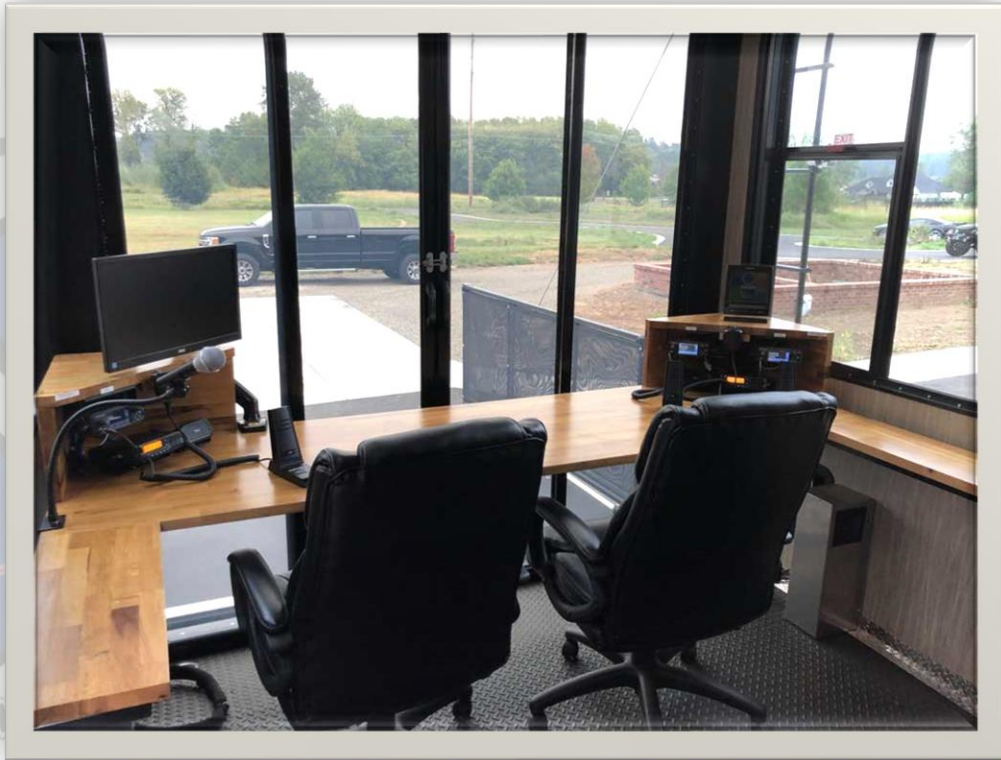

*On-site Support Tech(s) Required.

*One CloudCasters Unlimited Satellite Data Circuit Required. (Out-of-Band-Network) for administration and a priority data redirect for critical failover

SALT FIRE BRIEFING 2021

https://SaltFireBriefing07.10.2021.com

DIXIE FIRE MS TEAMS MEETING 2021

https://DixieFire2021.com)