



Introducing the World's First Mobile HD News Gathering Backpack

It's your SNG truck, your microwave ENG van.
It's everything you need for an on-site live newscast.
It keeps you one step ahead of the rest...



A Backpack for Live Broadcast-Quality Mobile News-Gathering

The news market demands high quality live coverage of breaking news. It's time for a revolutionary new tool: the **TVUPack**. Up to HD quality (5 Mbps) - from a backpack! The TVUPack uses new techniques for mobile broadband wireless circuit aggregation - new techniques which change the game.

Go anywhere

The **TVUPack** is the perfect tool for un-tethered broadcasting - no van required. It's light, weighing only 13 pounds. It's a fully self-contained content capture and broadcast solution with its own on-board power and data transmission capability. It can be used anywhere, even from a moving vehicle in the "canyons" of New York City. It makes the best use of available Internet connections. If these connections fail, the TVUPack keeps going with no video loss. Its unique solid-state storage captures all video at full resolution, even when the Internet connection is unavailable. Whenever the Internet connection resumes, all recorded content will be available to the newsroom.

Stay one step ahead

With the **TVUPack**, you get to the news first, even in places no van can reach. Setup is simple - plug in the camera and turn the unit on. No configuration is required. Then, get the footage back to the newsroom, live over wireless Internet, while the event is still happening. The TVUPack lets you cover more news events, better and faster.

Save money

The **TVUPack** saves you money every step of the way. Acquisition costs are lower than competing solutions, and only a fraction of a fully-equipped SNG van. Operations costs are low due to simple, easy-to-operate zero-configuration design. Finally, transmission over wireless Internet lessens your dependence on expensive satellite links.

Features

Mobility and Light Weight

The TVUPack uses wireless infrastructure, backed up by solid-state storage that captures high-quality footage when no data connection is available. Weighing less than 13 pounds and constructed of rugged materials, the TVUPack enables your field team to go anywhere and get breaking news fast.



Dual Battery, Hot Swap

The TVUPack uses a dual-battery system with an industry-standard Gold Mount design. Batteries can be hot-swapped while the unit is operating. You can operate the unit with one battery, while the other is charging. This effectively provides you with unlimited running time.

Multipath Technology

TVU's patent-pending multipath technology dynamically segments a live video signal and transmits the segments using the best available network connections. This ensures all available bandwidth in each wireless Internet connection (3G/4G) is fully utilized. The TVUPack's intelligent control system monitors the performance in real-time. This enables 5Mbps HD quality content to be delivered over 3G infrastructure.

Forward Error Correction

The TVUPack uses a patent-pending FEC algorithm to ensure that most of the packet errors in wireless Internet connection are corrected. This ensures a stable video signal, even when broadcasting live from a fast-moving vehicle.

Advanced Low Delay Video Encoder

Using TVU's in-depth knowledge of real-time video encoding, the TVUPack's H.264 encoder delivers a high quality video signal with minimal delay. The TVUPack can deliver an HD quality signal, with an end-to-end delay of as little as 3 seconds.

Designed for Ease of Use

Operating the TVUPack is simple: plug in the camera (Firewire or optional composite connection) and turn on the power. That's it – no complicated on-site setup and configuration for your field news crews to deal with. The TVUPack automatically uses and optimizes all available data connections to deliver the highest quality live video to your newsroom. If any of the network connections are lost, the system will dynamically allocate packets to available connections. If all the network connections are lost, the footage will be automatically stored, for later retrieval.

On-Board Storage

Video is auto-recorded in the TVUPack and can be remote-browsed, marked and retrieved from the TVUPack Receiving Terminal in the broadcast studio. This substantially speeds up evaluation and retrieval of field footage. Also, when live connections aren't available, you have the full-resolution media ready for immediate transfer as soon as an Internet connection is re-established.

Security

Each TVUPack will only communicate with your specific TVUPack Receiving Terminal. There is no way to receive the video signal without authorization. Traffic between TVUPack and TVUPack Receiving Terminal is encrypted.

Specification

- Weight: 13 pounds
- Format: NTSC, PAL, HD
- Storage: up to 12 hours continuous full quality recording on a solid-state hard disk
- Video/Audio Input: Firewire, Composite (optional)
- I/O connection: up to 10 USB-based wireless data cards
- Network: 1 Gigabit RJ-45 connector
- Maximum continuous power: 120W
- AC Power: 100-240V
- Battery: hot-swappable dual battery packs with industry-standard Gold Mounts
- Usage time: 1.2 hours per battery pack



TVU networks

1685 Plymouth St., Suite 100
Mountain View, CA 94043 USA
www.tvunetworks.com • info@tvunetworks.com
212.863.9900