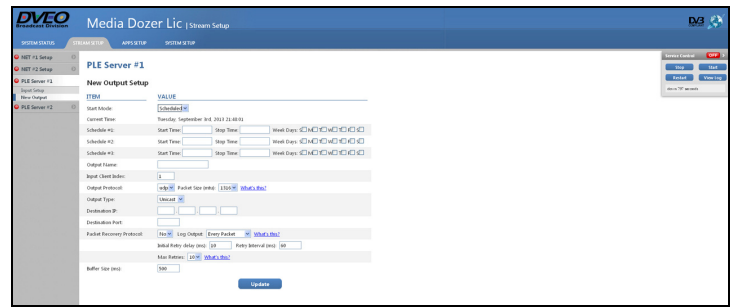


# Media Dozer: LIC™

**Real Time, Embedded Linux® Based, Add On Software Application for our Streaming Appliances for Reliable and Timely Delivery of UDP Video Traffic Over Public Internet. Offers Dependable Distribution of MPEG-2 or H.264 SPTS or MPTS Transport Streams, RTMP, RTSP, or HLS Streams Over Average Quality Internet Backbones. Ideal for Broadcasters, Mobile Operators, and Telcos Who are Deploying Critical Streams Across the Public Internet to be Competitive. Media Dozer Technology Provides Reliable and Consistent Video Delivery with UDP Protocol. Ideal Receiver is our Proxicaster IP™ which can Receive all the Dozerized and Encrypted Streams. Our Goal is to Provide Error Free Live and File Transfer Across Public Internet.**



## Features

- Addable feature to Proxicaster™, MultiStreamer™, MPEG Gearbox™, MultiStreamer Brutus™, MPEG Gearbox II™, and D-Streamer™ product lines
- Supports both HD and SD H.264/MPEG-4 AVC or MPEG-2 encoded streams
- Supports unusual video routing protocols
- Inputs/Outputs: Gig/E
- Guaranteed packet delivery with UDP protocol with 20% packet drop
- Supports IP UDP unicast and multicast, in or out
- Uses proprietary and sophisticated data and streaming management algorithms in order to optimize traffic that traverses across managed switches and routers
- Transparently transmits Multicast or Unicast UDP/RTP transport streams (MPEG-2 TS) from one network to another across any internet connection
- Supports any MPTS or SPTS stream with any compliant codec inside (H.264, MPEG-2, AAC, etc.)
- Will not alter the internal structure of the transport stream (PAT, PMT, etc.)
- IP address and Port can be remapped to different ones if necessary in the remote network
- Proprietary protocol is resistant to packet loss and corrects for internet jitter and packet reordering
- Private Line between devices supports AES-128 encryption and compression
- Configurable destination port on listener for firewall traversal
- Can be configured for point-to-point or point-to-multipoint functionality
- Supports dual destination in primary/backup configuration for redundant setups
- Each device can be configured as a sender, a receiver, or both
- One sender can connect to up to 4 receiver devices
- Each device can have up to 8 separate receiver profiles, each capable of receiving up to 250 simultaneous clients (senders)
- Each connected client (sender) is authenticated with a user name and password for additional security
- SNMP, REST, SOAP support

## Overview

We all know that the Public Internet has improved dramatically all over the world, but especially in the Western World. We have all become voracious consumers of bandwidth by using video sites like YouTube, Hulu, CNN, and other streaming services. The Internet has largely kept up. But like in any jungle, there are thin and thick areas to penetrate through. When the jungle gets thick the traffic slows down.

Despite the abundant bandwidth, mission critical video traffic has been relegated to dedicated lines, services, or CDNs. This is because of fear, uncertainty, and doubt. Our engineers recently developed a “technique” that allows video traffic to bulldoze through slow and congested routers, even when UDP protocol is employed.

Media Dozer: LIC wraps up the UDP and "Pushes Through" the UDP packets across public internet routers that are congestion bound. It enables IPTV operators and Over The Top video providers to improve their video distribution by enabling smooth video with low delay. It's the ideal technology for CDN operators or mobile network operators who are deploying vast networks across their own and others' backbones. Media Dozer: LIC optimizes IP capacity utilization by managing and optimizing video packet throughput.

## Applications

- Creating your advanced CDN via Optimal Delivery
- Replacing Dedicated IP connections for Video Delivery with Public Internet
- Large file transfers over IP
- Enhanced Video Quality over Public Internet
- Replacing satellite and dedicated lines
- Replacing point to point dedicated IP



**Computer Modules, Inc.**

**11409 West Bernardo Court  
San Diego, CA 92127**

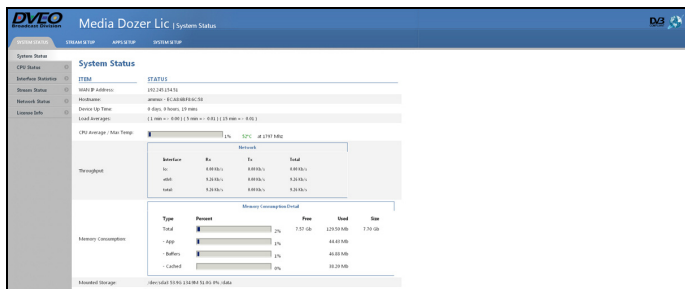
**Tel: 858-613-1818 Fax: 858-613-1815**

[www.dveo.com](http://www.dveo.com)

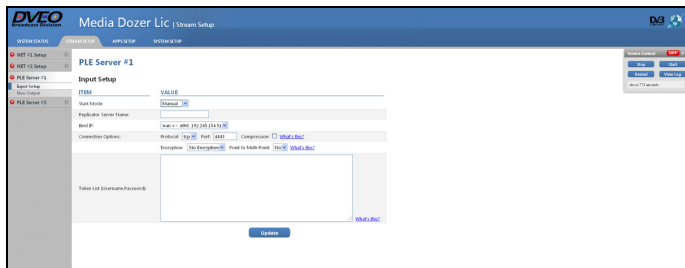
## Benefits

- Smooth Error Free Streaming 24x7 of Appropriate Bit Rate Video Across Public Internet with Guaranteed Upload and Download
- Streams Through Most Firewalls
- Saves Money versus Private Point to Point Connections
- Can be added to most of our products and others' products
- Does not delay video like FEC but provides many of the benefits
- All Content is Encrypted between units

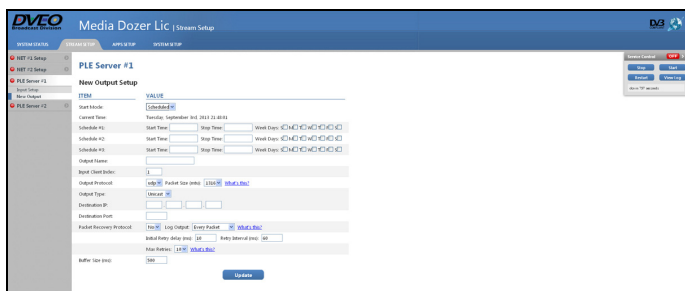
## Sample of GUIs



System Status



Input Setup



Scheduled Output Setup

## Ordering Information

Media Dozer: LIC  
 Also Available:  
 DOZERbox IP IP R – Media Dozer: LIC in a rackmountable  
 1 RU system (typically sold in pairs)  
 Compact DOZERbox IP IP in Intel® NUC (typically sold in pairs)  
 iPad®: Optional 16 MB iPad®

## Specifications

### IP Inputs/Outputs

IP Input protocols, “wrappers”:	UDP, RTP, RTSP, HTTP, HTTP Live (HLS), FTP, RTMP (Open Flash), Windows® Media Video 9 with HTTP/ASF
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### Administration

Access:	Web interface, ssh interface
SNMP:	Monitoring and alerts

### Other

Latency:	2 frames
Bandwidth Overhead:	7%