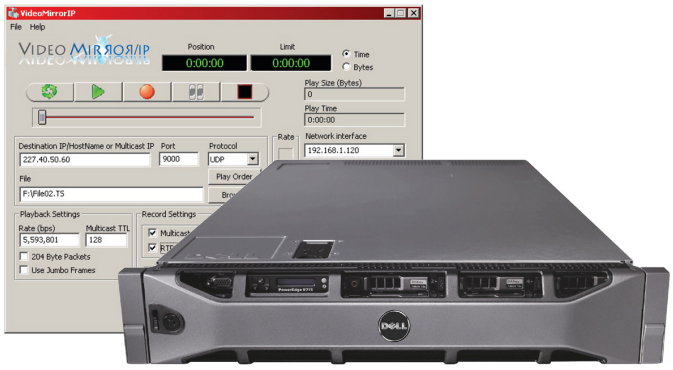
# VideoMirror/IP™

**TELCO Grade, 1 RU, Video Archival System with IP in and out designed to store H.264 or MPEG streams on to on board RAID drives. Designed to capture live SPTS or MPTS IP streams from IP networks and provide proof of what was transmitted and provide up to 90 days' record in a convenient and easily retrievable manner. Able to sit and sniff traffic or be a destination. All recordings are time stamped and can be set for 5, 10, 30, 60, etc... minutes. To examine past events just go back to the day and time segment.**




Microsoft Windows

## Features

- Captures transport stream as segments of data configured either by size or time over IP (UDP/TCP/RTP)
- Compatible with MPEG-2 and H.264
- Features rich easy-to-use GUI
- Rate Control for IP transmission provided by proprietary technique
- Plays and captures TS over IP from all well known video encoders, decoders, and servers
- **Advanced Scheduled playback and record for Day, Week, Month, or Year**
- Compatible with HD, H.264, or SD encapsulated within IP
- Supports unicast, multicast, and broadcast
- Bit rate to 200 Mbps
- Supports both SPTS and MPTS
- IP in and out over 10BT, 100BT, Gig/E
- Option to select network interface cards (NIC) if more than one is available on the system
- Includes automatic transport stream Analysis Utility with PID and PCR clock info
- Automatically uses the TS PCR info to calculate proper transport stream rate
- Selectable 188/204 packet size
- Continuous play or single play modes
- Limit capture or playback by time or by size
- Includes transport streams for test purposes
- Files can be 5, 10, 30, 60, etc. minutes long

## Applications

- Ideal for archiving high speed fiber optic links and copper-based IPTV links
- Backup source for TS over IP
- Snooping or capturing TS over Gig/E IP traffic
- Monitoring or viewing a TS over Gig/E IP streams
- Video over IP server for VOD testing

## Overview

Archiving transport streams is desirable in any transmission facility. This archiver stores streams in easy to use segments. The segments are 10, 20, 30, 40, 50, 60, etc., minutes long. The segments are designated by date and time. This makes it easy to retrieve any segment for review.

The VideoMirror/IP™ will accept a single or multi program MPEG-2 or H.264 transport stream. Remarkably, it has the ability to filter out streams from MPTS's. This makes the process more efficient since only desired services are archived.

The VideoMirror/IP was developed to allow video streams to be archived for future reference. Situations arise where a segment of broadcast video may need to be reviewed but it is not available because it was a live broadcast or that the stored file is unavailable. VideoMirror/IP is a unique application that can solve this problem.

This application is designed to provide an easy-to-use and intuitive interface that will give you a quick way to analyze, capture, filter, play, and view single and multiprogram streams. The transport stream is stored as a series of files, with the size of each file controlled by setting the number of bytes or the length of time. After the specified number of file segments is reached, VideoMirror/IP over-writes the first file segment, thus maintaining the floating window at a fixed size. Individual files can be accessed while the VideoMirror/IP is capturing video to the floating window. A file of interest can be viewed using MPEG analysis tools.

Besides having capture and playback ability, VideoMirror/IP allows you to filter out selected PIDs that you do not wish to record. This way you can capture only the PIDs desired.

In order to provide confidence to the capture process, we have included a copy of the VideoLAN VLC viewer, which allows you to decode and view any of the incoming or captured streams.

A VCR-like interface provides complete control over the capture and playback process. A recent feature is remote management capability. This allows you to record, start, stop, or play via a remote browser. This is greatly appreciated by anyone using this with an automation system.


DVEO
Digital Video ExtraOrdinaire™

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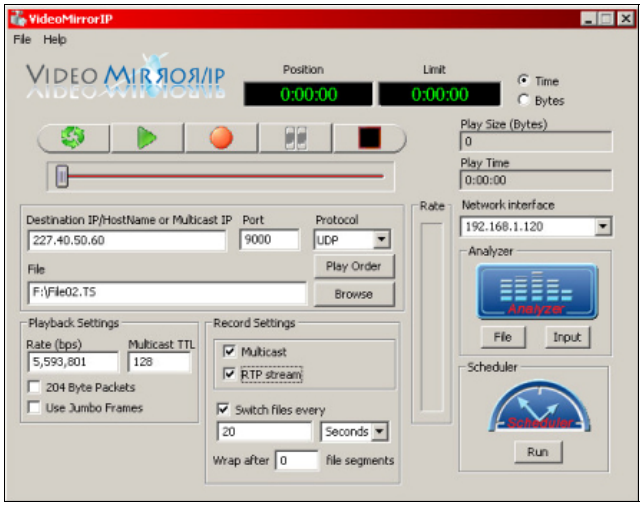
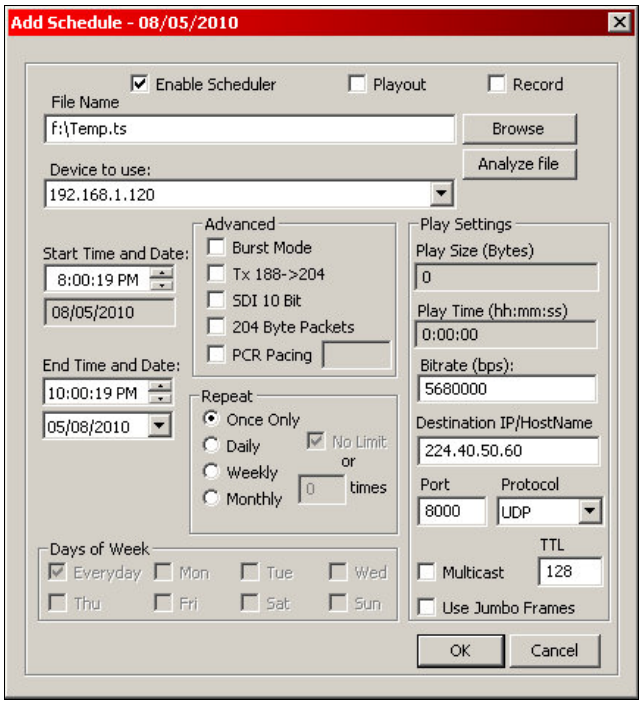
# Main GUIs

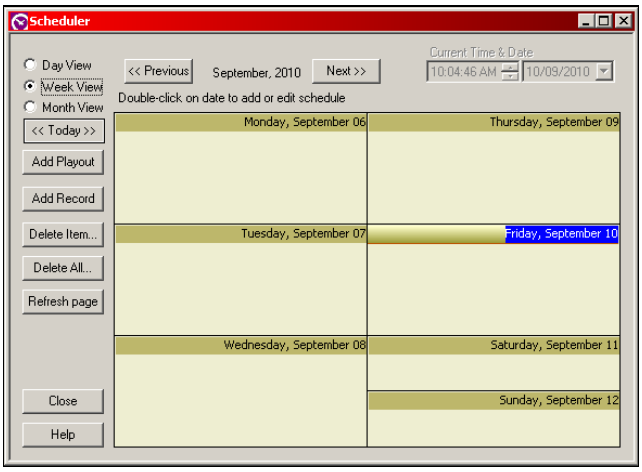



**Main GUI**

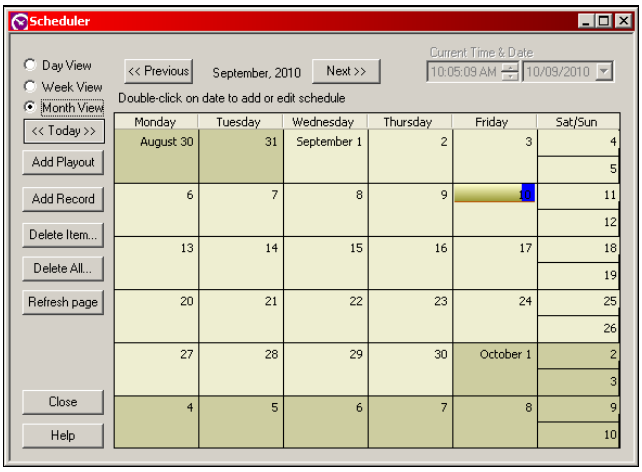



**Advanced Record and Playout Scheduler for Single Playback or for Day, Week, or Month**

# Scheduler GUIs




**Scheduler – Weekly**




**Scheduler – Monthly**

# Typical Configuration

- Operating System: Windows® 7 – 32 or 64 bit, Windows® XP, Windows® 2003 Server, or Windows® 2008 server
- RAM: 8 Gig
- Two eSATA hard drives – In addition to the system drive, a high-speed secondary drive should be installed for storing and playing the MPEG files
- For high bit rates above 80 Mbps we suggest newer drives

# Ordering Information

VideoMirror/IP



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