

MINI-T-NX



**Everyone can go digital with
the MINI-T-NX, the low-cost
automation solution.**

Affordable ♦ Versatile ♦ Reliable
Cable and Broadcast Solutions

LEIGHTRONIX, INC.
Video Servers • Television Automation



Low-cost digital playback solutions have never offered as much in functionality or performance as the MINI-T-NX. In one compact box, the MINI-T-NX provides everything you need to bring digital video to your television operation, including an MPEG-2 video/audio server, dynamic video messaging, DVD/VCR control, and video/audio switching. Now even those with limited equipment budgets can go digital with the MINI-T-NX.

VIDEO SERVER AND VIDEO MESSAGING

Digital Video Playback

High-quality digital video/audio playback is assured with the MINI-T-NX. The MINI-T-NX server uses a professional hardware MPEG decoder to repeatedly provide smooth and consistent digital video playback.



Digital Video Recording

The built-in, hardware-based digital video encoder produces industry-standard, widely compatible MPEG-2 digital media files.

Internal Hard Drive Storage

The MINI-T-NX also has your digital media storage needs covered. Equipped with a 250 gigabyte internal hard drive, you can upload hundreds of video clips and programs directly to your MINI-T-NX. File transfers are fast and efficient, as the MINI-T-NX has a high-speed Ethernet port that can be connected to local or remote wide area networks.

Integrated Digital Video Messaging

The server's MPEG decoder performs double duty, displaying digital slides as well as videos. Easily fill gaps between programs and strategically place messages, including program introductions, station information, and local events. The MINI-T-NX uses common JPEG images, allowing you to create your own slides with any third-party graphic program.



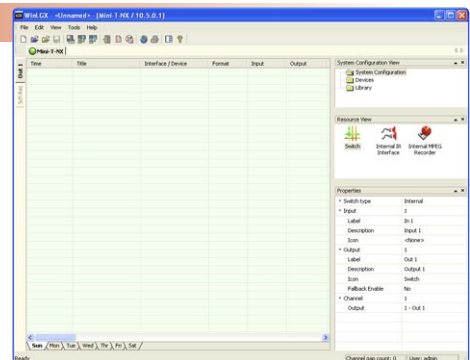
Complement program playback with digital video messages.

WinLGX MANAGEMENT SOFTWARE

Included with the MINI-T-NX, WinLGX™ simplifies the task of organizing and controlling your automation system. The WinLGX media resource library holds all of your mixed media formats, including digital video files (MPEG), DVD programs, videotape titles, and video slides.



Creating playback schedules is fast and easy as you simply drag and drop resources from your media resource library into the scheduler. In addition to being quick and convenient, the WinLGX scheduler is nearly goof-proof. WinLGX performs error checking every time you add a program to the scheduler, instantly reporting any scheduling conflicts.



WinLGX main window allows you to manage system configuration, library media, and scheduling.

No need for a license with WinLGX. WinLGX is provided with the MINI-T-NX free of charge and may be copied and distributed to multiple users. Updates are also provided at no cost to registered customers via a secure FTP server.

LIVE SOFTWARE DEMONSTRATIONS!

Contact the LEIGHTRONIX Sales Department to schedule a live WinLGX software demo via WebEx.

INTERNAL VIDEO/AUDIO ROUTING SWITCHER

The MINI-T-NX has an integrated video/audio routing switcher, allowing you to easily integrate a variety of video/audio sources into your playback system. Seven external video/audio inputs allow you to select studio or satellite feeds, DVD players, VCRs, and other external video/audio resources manually or through pre-programmed events. Without interfering with on-air playback, a special preview output allows convenient display on a monitor of any input's programming. Users can manually start/stop MPEG file recordings based on the preview output display. The video detection feature continually monitors the output channel and automatically routes a default or user-defined input to the output if video is lost.



MINI-T-NX Rear Panel

DVD PLAYER AND VCR CONTROL

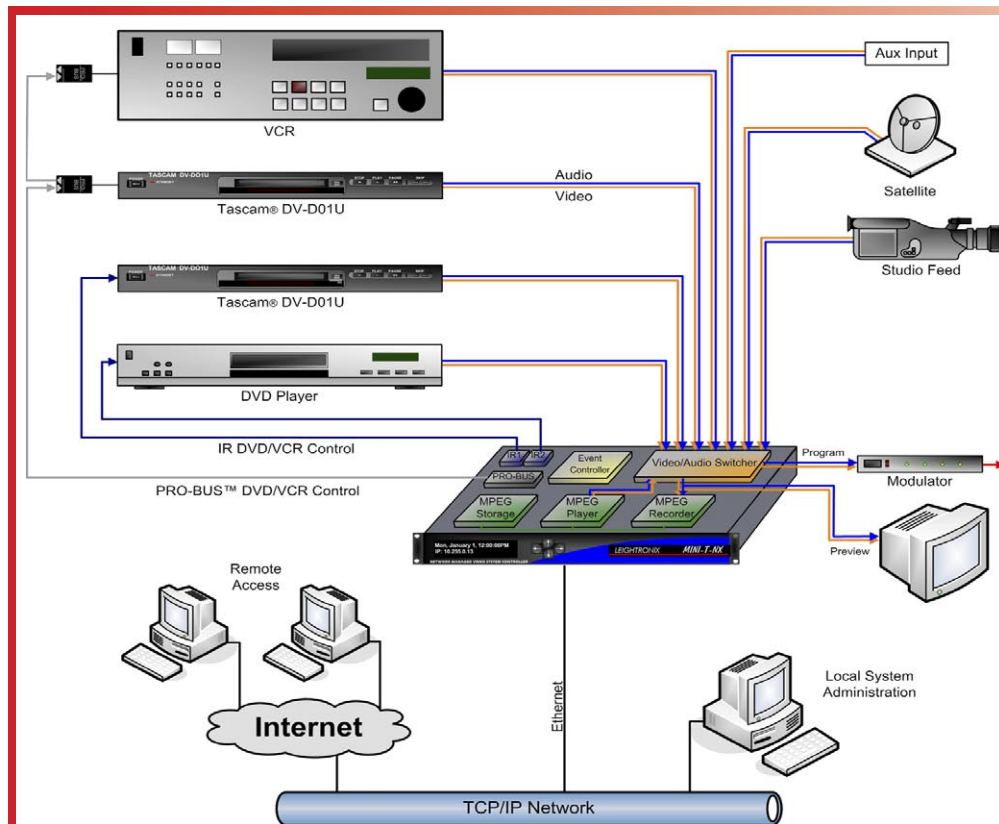
Flexible as well as affordable, the MINI-T-NX can accommodate those legacy devices that many television operations still need. The MINI-T-NX offers basic, four-function control schemes for a variety of DVD players/recorders and VCRs.

To get you started right out of the box, the MINI-T-NX ships with two integrated IR transmitters on its rear panel and the corresponding IR cables. The IR transmitters provide PLAY-STOP-REWIND-RECORD capabilities for your basic device control needs. Just plug the cables into the IR ports on the MINI-T-NX's rear panel and connect to your choice of many compatible VCRs and DVD players.

Expanding your basic control options, the MINI-T-NX also comes equipped for the optional PRO-BUS™ device interface control scheme. Setup is as simple as attaching PRO-BUS interfaces to up to eight of your devices and then connecting the interfaces in a daisy chain to the MINI-T-NX PRO-BUS port. PRO-BUS device interfaces are available with IR, wired, parallel, and serial connectors and can control hundreds of DVD players and VCRs.



PRO-BUS device interfaces are available for hundreds of DVD players and VCRs.



Until now, digital video at such a low price was unheard of for a complete playback solution. With an all-in-one design that includes MPEG digital video playback and digital video messaging, the MINI-T-NX makes it possible for everyone to join the digital revolution.

serving a wide range of applications

FEATURES

Integrated Digital Video Server

- ❖ One MPEG Playback (Decode) Channel
- ❖ One MPEG Record (Encode) Channel
- ❖ Automated Total Backup™ of Digital Media and System Files
- ❖ Internal, 250 Gigabyte Hard Drive Storage

Integrated Digital Video Messaging

- ❖ Import and Display Standard JPEG Images in Sync with Program Playback
- ❖ Automatic Slide Shows
- ❖ Digital Audio Background

PRO-BUS Machine Control

- ❖ Control for 8 DVD Players and/or VCRs
- ❖ Support for Infrared (Adhesive Ring), Wired (Mini-Plug and RCA-Plug), Parallel (Multi-Pin), and Serial (RS-422) Remotes

Two Integrated Infrared Transmitters

- ❖ Control for Popular DVD Players and VCRs
- ❖ Includes IR Transmitter Cables

Internal Video/Audio Switcher

- ❖ 7 Inputs for External Source Switching
- ❖ Input 8 Internally Tied to the MPEG-2 Decoder
- ❖ One Program Output with Loss-of-Video Detection
- ❖ One Record/Preview Output

Front Panel Configuration and Status

- ❖ Set Network IP Address, Subnet, & Gateway
- ❖ Time/Date Display and Switcher Status

WinLGX Network-Management Software

- ❖ Local/Remote Access via TCP/IP Network
- ❖ Drag and Drop Event Scheduling with Error Checking and Conflict Reporting
- ❖ Comprehensive Media Resource Library
- ❖ System Control Panel

Five-Year Warranty



SPECIFICATIONS

- ❖ Dimensions—One standard 19" rack unit with overall dimensions of 1.75"H x 19.00"W x 8.25"D
- ❖ Weight— 8 lbs.
- ❖ Network—Eight-position/eight-conductor RJ-45 modular jack, 10/100BASE-T Ethernet, TCP/IP, user-configurable IP address, subnet, and gateway
- ❖ Display—2 x 24 character vacuum fluorescent display
- ❖ Keyboard—Keypad with four push buttons, password-protected front panel status and configuration
- ❖ Internal Clock—Battery-backed time and date, temperature compensated crystal oscillator for high accuracy
- ❖ Video Standard—NTSC, standard definition, 4:3 aspect ratio
- ❖ Video Encoding—MPEG-2, full D1 and half D1 resolution, 1.5-5Mb/s variable bit rate encoding, 1.5-4Mb/s constant bit rate encoding
- ❖ Video I/O—7 RCA video inputs, 2 RCA video outputs (program-preview), NTSC composite video 1V P-P, active switching, unity gain
- ❖ Audio Encoding—MPEG-1 layer II, 44.1Khz and 48Khz sampling rates, 192Kb/s and 224Kb/s audio bit rates
- ❖ Audio I/O—7 monaural RCA audio inputs, 2 monaural RCA audio outputs (program-preview), -10dBV unbalanced line level, unity gain
- ❖ Video/Audio Recording Capacity—Maximum individual MPEG program length 6 hours
- ❖ Digital File Storage—Internal 250 gigabyte hard drive
- ❖ Infrared Control Ports—2 mini-jack device control ports
- ❖ PRO-BUS—Six-position/six-conductor modular jack, LEIGHTRONIX proprietary interface control bus
- ❖ Power—12VDC regulated input with locking coaxial power connector, external AC power adapter accepts 100 to 240VAC 50-60Hz, AC power consumption 25 watts @ 120VAC
- ❖ Product Safety—Certification by ETL Semko for U.S. Standard(s) for Audio, Video & Similar Electronic Apparatus (UL-60065) and Canadian Standard(s) for Safety Requirements for Audio, Video & Similar Electronic Apparatus (CAN/CSA-C22.2 No. 60065)
- ❖ Compliance—FCC Part 15
- ❖ Warranty—Five Years, Parts and Labor



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