

# Lucidity™ TZS-1

New Product!  
Preliminary Specifications



## Nel-Tech Labs USB Multi-Media Player

*Digital Signage • POP Displays • Safety Videos*

The **Lucidity™ TZS-1** is a commercial grade high-performance audio and video playback device capable of decoding up to MPEG-4 video at full D1 resolution with its state-of-the-art 32-bit RISC and 64-bit DSP processors. Files are accessed from any standard USB flash drive that plugs into the front of the player.

The Lucidity supports video processing to provide high-resolution display of videos in MPEG-1, MPEG-2, and MPEG-4 formats. The integrated NTSC/PAL encoder provides composite and S-Video output. The audio processing section provides stereo decoding for just about any mainstream audio format such as MP3, AAC, & WMA.

No programming or setup is needed - just insert a USB flash drive loaded with the supported audio or video files and the Lucidity will instantly start playing. When the last file is played the unit will automatically return to the first file and continue playing.

Adding or deleting files is simple - no special software or drivers are needed. Just unplug the USB drive from the player and plug into any USB port on a PC or MAC and drag-n'-drop files to and from the USB flash drive.

The Lucidity features include:

- Plays files from USB flash drive
- No programming or special software needed
- Up to 4GB USB flash drives supported
- 32-bit RISC and 64-bit DSP processors
- MPEG-1, MPEG-2, & MPEG-4 video playback
- MP3 audio playback
- AAC audio playback
- Microsoft® WMA music playback
- Composite output & S-Video output
- VGA output
- Stereo audio outputs
- Continuous loop playback
- Built-in monitor speaker
- LED status indicator
- Exceptional dealer support
- 5-year parts and labor warranty
- Designed and Manufactured in the USA



Flash Drive  
Included!

Each Lucidity is built to exacting quality standards using state-of-the-art assembly equipment for outstanding reliability and years of dependable service.



# Specifications



## Technical

### Audio/Video Decoding\*

**MPEG-1** video playback  
352 x 240 (NTSC), 352 x 288 (PAL)

**MPEG-2** video playback  
720 x 480 (NTSC), 720 x 756 (PAL)

**MPEG-4 ASP** video playback  
720 x 480 (NTSC), 720 x 576 (PAL)

**MP3** audio playback  
Up to 320Kbps, CBR and VBR, up to 48KHz sample rate

**AAC** audio playback  
Up to 320Kbps, LC, up to 48KHz sample rate

**WMA** music playback  
Up to 320Kbps, CBR and VBR, up to 48KHz sample rate

**Memory Type**  
USB Flash Drive

**Memory Capacity**  
16MB to 4GB

**File Capacity**  
Up to 1024 files (depending on size of files)

### Video Output

Composite via RCA jack  
S-Video via 4-pin miniDIN jack  
VGA via 15HD jack

### Audio Output

3.5mm stereo jack, 3.2V p-p @ 5Kohm (signal level)

### Message Loading

USB Flash Drive (using PC or MAC)

### Message Playback

Continuous

### Power Requirements

6VDC @ 1.50A, typical

### Size

6.00" x 6.00" x 1.50" (H x W x D)

### Shipping Weight

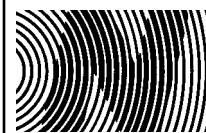
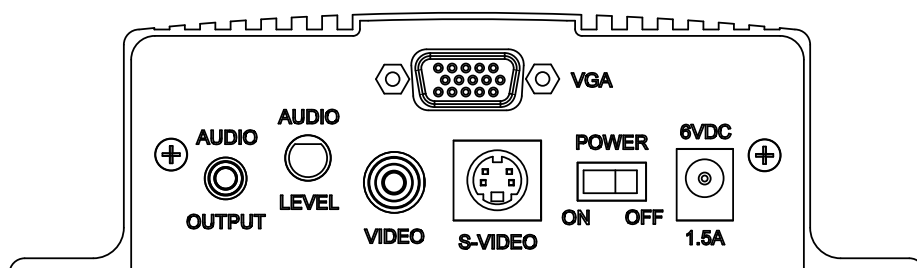
3 pounds

### Regulatory Standards

FCC Part-15 (USA), ICES-003 (Canada), CNS-13438 (China)  
VCCI V-3/2005.4 and V-4/2003.4 (Japan)  
EN 55022:1998 + A1:2000 + A2:2003, Class A (CE)  
ACMA AS/NZS CISPR 22:2006, Class A (Australia/New Zealand)

\*All decoder technology is fully licenced from the respective patent holders or their agents.

## Back View



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