T2 Intelligent Digital Disk Recorder

TOP REASONS TO BUY
T2 from Grass Valley, a Belden Brand, is a next-generation HD player/recorder that combines advanced nonlinear features (instant, frame-accurate access to content), with VTR-like controls and a high-resolution, touch-sensitive front control panel.

Available in three storage configurations (Express, Pro & Elite), T2 offers two playback channels and one record channel, all simultaneously and independently available. All channels support full 1920x1080 (60/50/24) resolution, as well as 720p and NTSC/PAL formats.

The T2 is versatile, easy to use and incredibly reliable.

1. **It's VERSATILE**
   - T2 supports more resolutions, frame rates and formats than any other digital player/recorder. Because T2 is so versatile in handing so many different formats, it's much more cost effective than using a traditional VTR.
   - T2 is designed to broadcast specifications by a broadcast company, so integration into existing workflows is made easy by the fact we support BVW, GPI and AMP control protocols.
   - Many production environments still have legacy linear systems. Because T2 has BVW protocol support, it's an ideal bridge between linear and nonlinear production, as it can be integrated with most linear controllers.
   - T2 works with XDCAM MPEG-2 files natively. ProRes is converted to our own high quality production codec, HQ.
   - The two T2 output channels are independent of each other, so you can output a key stream on P1 and a fill stream on P2. Because Grass Valley switchers have AMP control, the T2 can be integrated as clip store, especially useful because the T2 can import a ProRes 4:4:4:4 file as two separate clips, one for fill and one for key.

2. **It's EASY TO USE**
   - T2 is designed to look and operate like a traditional video tape recorder, but because it’s essentially a Windows PC under the hood, it gives the user the best of both worlds — a familiar VTR look and feel, but with all the interoperability and data transfer benefits of a desktop computer. In fact, if you prefer to operate it as a PC, simply attach a VGA monitor, a keyboard and mouse, and you are good to go. There's very little learning curve, whichever operation mode you choose.
   - If you can operate a Sony BVW, you can operate a T2. Plus it has the added benefit of a super-clear, touchscreen LCD display on the front for a much more graphical and intuitive way of selecting channels.
   - As you would expect from an IT device, you can attach other IT devices to it — either via USB or over a network, as the T2 has built-in Ethernet too. Accessing file-based media, like XDCAM or P2, is as simple as attaching the media card reader to a PC — T2 will recognize the files immediately.
   - T2’s playlist and scheduling feature is both easy to use and very flexible. You can mix and match different formats within a playlist and you can prepare complex sequences in advance, using placeholders as prompts to insert media recorded at the event itself.
   - T2 has a 3 RU, 19-inch rack-mountable form factor, so it’s easy to install in either mobile or fixed facilities.

3. **It's RELIABLE**
   - Grass Valley has a 50-plus year heritage of providing solutions for live production, news and playout. We understand how to build solutions to withstand the rigors of live broadcasting. Not only is each T2 subjected to mechanical shock tests, we also conduct random vibration and temperature cycling to guarantee reliability in the field.
   - T2 benefits from all the back-up and data recovery functions that you would normally expect from an enterprise-class IT product, with options for RAID and solid-state storage. And, it's a proven performer, with over 2,000 units sold worldwide.
   - The T2 uses Microsoft’s Windows Embedded Operating System running off an enterprise class solid-state hard drive. Using an embedded OS means faster boot-up and faster operation, because the system components used are optimized for the T2 and its specific applications. Ultimately, it also provides a much more stable platform, unlike using a standard Windows PC for example, which takes a more “one size fits all” approach by necessity.
   - It also means we can incrementally add more functionality, often in response to customer feedback, in the form of regular maintenance updates, or what we refer to as Service Packs.
   - T2 media files can be backed up to external hard disk via USB or Ethernet connection, and you also have the option of mirroring the entire system to a back-up unit. This could include not just media, but also system settings and playlists, if appropriate — for a completely fail-safe — solution.