



Bear Wire Video, a Fort Worth, Texas based production company that has been in continuous operation since 1978. Bear Wire Video was one of the very first purchasers of the original Trinity from Play (multi-purpose video production systems). When GlobalStreams purchased the company and re-branded the Trinity as the GlobeCaster, Bear Wire Video stayed with the system and made all the upgrades. Bear Wire Video currently produces in full HD, both 1080i and 720p, depending on client preference.

If you are not familiar with the GlobeCaster it is the father of many systems marketed today (Tri-Caster, BroadcastPix, et. al ). It consists of (5) modules:

Switcher – One mix effects bus with multiple warp options and DSKs. Non-Linear editor timelines can be loaded directly into switcher from bins and played out on cue as required. No switching to or loading timelines into DSKs. Switcher loads and you push a button to play out. Very easy. Character Generator elements load directly into switcher as well, either as full screen pages or as keys that can be loaded either upstream or down. Chroma Keyer is very versatile allowing for all types of greenscreen studio effects.

Hybrid Linear/Non-Linear Editor (can use and control video decks, external hard drive players (Fast-Forward, EVS, etc) via RS-422 connections, it can control up to (4) decks at one time, as well as unlimited non-linear timelines. It is quite the editing system

Animation/Compositing System - unlimited layers with full animated X-Y\_Z control and Rotoscoping built in.

Character Generator – full system with all attributes definable. Some animation of characters is available but most users put CG elements into Animation/Compositor for greater capabilities.

Effects Composition: Build your own 3-D effects; Rotating cubes, inserts, wind and water effects. All effects are built as GlobeCaster effects so you don't have any imports of effects to load. Switcher just loads directly from bin.

In the GlobeCaster, if you can dream up the effect or production, you can do it inside this box.

Bear Wire Video has used this system for live productions up to and including (8) camera football with (4) slo-mo and multiple layers of graphics. As the productions grew more complicated, Bear Wire Video was forced to make a decision. Do we continue to use the GlobeCaster which we have maxed out on capabilities or find a new solution such as a new production switcher, plus new graphics, CG, etc. The later is quite an investment. The engineering staff came up with a new idea. "Suppose we keep everything we've got and simply put a Blackmagic Design ATEM switcher downstream." The idea was to

take the HD component output of the GlobeCaster and put it into Input 1 of the ATEM (which utilizes HD Component In). Then add playback sources to the other (7) inputs of the ATEM as well as the (4) Upstream Keyers and (4) Downstream Keyers.

Bear Wire Video owner Roy Zethraus explains:

“ This new configuration puts so much production power into the BWV Mobile Production Truck that we haven’t even reached close to the limits of what we can do. With Our Blackmagic Designs 16x16 HD\_SDI routers tied into (4) of the ATEM inputs, we now have effectively achieved 12 camera and 4 slo-mo capability and, I don’t know how many layers of graphics that we can use live. That’s quite an achievement for less than a \$5,000 upgrade. Anyone using a Globecaster wanting the most bang for the buck, here’s the solution”



For more information on the GlobeCaster product line, visit [www.GlobalStreams.com](http://www.GlobalStreams.com)

For more information on Blackmagic Designs products, visit [www.BlackmagicDesigns.com](http://www.BlackmagicDesigns.com)

For more information on Bear Wire Video, visit [www.BearWireVideo.com](http://www.BearWireVideo.com)

