

## [NAB Booth SL 8630](#)

### **Introducing 12G-SDI & HDMI 2.0 Fiber Transport with Routing, Distribution, Conversion Capabilities**

#### *Empowering Connectivity And Large System Infrastructure*



North Carolina - (February xx, 2019) — [BARNFIND Technologies](#), the leader in fiber transport solutions, is revolutionizing system design with the introduction of a new frame that permits the conversion, routing and distribution of 4K content.

12G-SDI and HDMI 2.0 (4,4,4) capture, processing and distribution systems are helping us produce content never before imagined; but also present significant limitations on the size of a facility or the location of a control room relative to the studio. Simply put, 12G-SDI and HDMI 2.0 signals are not distance champions when transported over copper. The new [BTF1-41](#) frame empowers engineering and production professionals to easily overcome these distance limitations by combining conversion to fiber (and back to copper), distribution and routing of 32+ signals in a 1 RU package. SDI signals (up to 12G-SDI), HDMI 2.0 feeds, CCU/CAM signaling, KVM and Ethernet can all be converted, distributed, transported and routed all in one convenient and easy to use package.

[Barnfind USA](#), the USA-based support, service and sales arm of [BARNFIND Technologies](#), will be showcasing the new BarnOne [BTF1-41](#) frame and demonstrating the frame's unique capabilities. With future-proof technology to support all emerging signal formats, including 4K, HDMI 2.0 and IP, the new frame also supports all legacy formats (including analog video) allowing facility designers and production engineers to utilize brand new as well as legacy technology in their work – all seamless and with practically no distance limitations - a multi-functional, signal neutral fiber transport platform that widens system design capabilities while permitting system reconfiguration on-the-fly.

The [BTF1-41](#) will be shown alongside enhanced versions of the Company's core [BarnOne](#) and [BarnMini](#) families that now offer more control options, advanced functionality and improved configuration capabilities. The improvements also reflect BARNFIND's commitment to green practices by packing numerous functions into one rack unit and keeping power consumption as low as possible.

*"NAB 2019 marks a milestone for Barnfind," says Wiggo Evensen, Barnfind CEO. "We're delighted to show our support for the American region by having Barnfind USA take the lead at NAB, the largest trade show of our industry in North America. And we are entering a new phase of growth with our new BTF1-41 frame driving us into new market areas by addressing the long-distance transport requirements of any signal."*

#### **PRODUCTS AT NAB 2019:**

##### **BTF1-41 Frame**

Barnfind's [BTF1-41](#) Frame incorporates future-proof technology to address emerging formats such as 4K, HDMI 2.0 and IP. The frame will support multi-viewer functions, signal processing and compression in addition to the traditional functionality for which Barnfind is known. An optional mid-board section allows third-party vendor technology to be integrated into the platform, guaranteeing its longevity, and functionality will be upgraded constantly making it resistant to obsolescence.

The multi-range / multi-format [BTF1-41](#) is 12G capable, includes a 36 x 36 router, a built-in GPIO, Tally and UMD control. The frame features [BarnStudio](#), Barnfind's control software, and also offers the same flexible third-party control as the existing [BarnOne](#) 3G system. The [BTF1-41](#) is an ideal solution for a vast variety of applications in the broadcast arena including sports, telemedicine and government applications.

### [BarnMini-22](#)

BarnMini-22 is the newest [BarnMini](#) module and an extension of the series. It follows in the footsteps of Barnfind's popular BarnMini-02 and BarnMini-12, two models that are in use by demanding clients around the globe by the thousands. BarnMini-22 offers full built-in management of re-clockers and signal control via [BarnStudio](#). Barnfind is one of the very few manufacturers that offers a small unit with 2 x SFP for protocol agnostic signal conversion.

### [BarnMini-05](#)

The compact [BarnMini-05](#) combines serial data RS422/RS485, 4 x GPI and 4 x GPO in one unit, controllable via an Ethernet/ SFP port. The unit can serve as an intelligent bridge between many third-party devices, for example transferring an RS422 signal or Tally between two locations. It can also control an external optical changeover switch (BarnMini-06) in a redundancy setup with easily set triggers. [BarnStudio](#) can be used to configure and monitor the BarnMini-05 with Barnfind's [BarnStudio](#) control protocol.

### [BTF1-07-16 Frame](#)

BarnOne [BTF1-07-16](#) frame supports all signals and functions in one chassis with a built-in 32x32 router, 16 SFP ports and a 16-port fiber multiplexer. The unit can transmit eight 3G-SDI signals over WDM without loss of synchronization, allowing easy transport of 4K or even 8K uncompressed signals. Barnfind's [BarnOne](#) frames and MUX units are now housed in metal casings for increased longevity, especially when used in the field where equipment is subjected to harsh elements and stressed to the limit.

### [BarnStudio](#)

Barnfind's [BarnStudio](#) control protocol has added significant functionality via an integrated signal redundancy switch configurable for all BarnOne's outputs. Regardless of signal format, bandwidth, optical or electrical, each output can be configured with "alternative" inputs and run parallel or individually. The switch controls signal presence, quality, status, and provides a complex, advanced redundancy system. Many high-end users are adopting [BarnStudio](#) as a primary source for control software as they become aware of the protocol's upgraded functionality. Ember+ is the latest to join the long list of 3rd-party control protocol that is tightly integrated with [BarnStudio](#).

#### **About Barnfind:**

[Barnfind Technologies AS](#), headquartered in Sandefjord, Norway, manufactures a multi-function signal transportation platform that supports numerous signals in one frame, including common video, audio and telco formats such as KVM, SDTI, SDI to IP 2110, MADI, 4K 60p workflows, HDMI, DVI, CAM-CCU etc. In addition, there is a full router in the frame with re-clocking on all outputs (BNCs and SFPs), reference input, full redundancy and the capability to have integrated CWDM/DWDM multiplexing. Barnfind's "no-cost" control software, [BarnStudio, can be downloaded from the website](#). The platform is also compatible with many 3rd party control systems. Barnfind offers the world's most sophisticated CAM-CCU solution capable of supporting 18 x CAM-CCUs on one single fiber with low jitter and latency. Barnfind is known as the Champion's company; found in most sport Championships around the world.

[Barnfind USA](#) is the USA-based support, service and sales arm of Barnfind Technologies.

Barnfind is privately owned and has over 60 partners and resellers worldwide.

For further information please visit Barnfind's new website: <http://www.barnfind.no>.

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Barnfind Technologies contacts: Wiggo Evensen / CEO / [wiggo@barnfind.no](mailto:wiggo@barnfind.no)  
and  
George Gonos /VP, Marketing USA/ [george@barnfind-usa.com](mailto:george@barnfind-usa.com)

Press contact: Desert Moon / Harriet Diener / 845-512-8283 / [harriet@desertmoon.tv](mailto:harriet@desertmoon.tv)