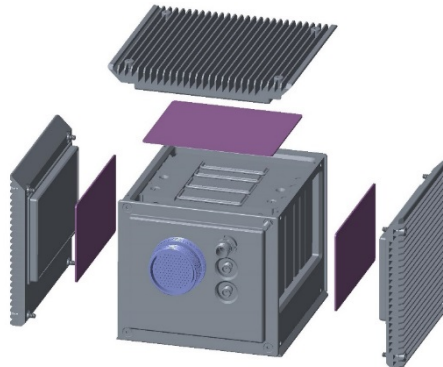


## BRAME-TECHNOLOGIES VNX PERIODICAL #2

### SPACE VNX – VITA 74 COMMITTEE DOESN'T REST AS THEY SHOOT FOR THE SKIES

As the VNX standard is in the final process of being ratified in both VITA and ANSI, the committee is already working on adapting the VITA 74 standard to address the specific needs of the CubeSAT and SmallSAT marketplace. This implementation will be specifically referred to as “VITA 74.4” or “SpaceVNX”. In order to minimize development and schedule risk associated with creating a new standard, there was consensus from the developers to take advantage of previous work when creating the VNX. The VITA 46 (VPX) and VITA 65 (OpenVPX) standards were used as a basis for the VITA 74.0 base standard. Maintaining the same logic VITA 78 (SpaceVPX and SpaceVPX Lite) will be used as the basis for VITA 74.4 (SpaceVNX).

A dot standard has already been allocated for VITA 74.4 but not yet published. SpaceVNX will generate additions to the baseline standards that will be equally applicable for high reliability and availability for Avionic and Flight Control applications, as is the case with Space applications. The VITA 74 Reference Design has been designed to be ideally sized for a 1U CubeSAT application.



Stay tuned as more vital and important information about the new VITA 74 standard becomes available. To download a datasheet for the VNX computer called Raptor, please visit our website or contact us by email.

Mark Ellins

Head of Sales & Marketing at Brame Technologies

Please email us at: [info@brame-tech.com](mailto:info@brame-tech.com) or visit our web site at [www.brame-tech.com](http://www.brame-tech.com).

Brame means “intense passion” and here at Brame-Tech, we fuse passion and technology. Brame-Tech is a provider of rugged and military grade products and Small Form Factor (SFF) systems to the avionic, military and heavy industrial markets. Brame-Tech has consolidated and integrated several best-of-breed manufactures of embedded computing boards and systems to create standards based solutions in small and rugged formats. Brame-Tech’s SFF products utilize standards based on VITA 46/65 (3U VPX), VITA-74 (VNX), PICMG’s COM Express, and PCI-SIG’s MiniPCle and more. Products and solutions include multiple CPUs manufactured by Intel® (Xeon, i7, i5, Atom), NXP/Freescale (Power Architecture® and ARM®), AMD (G and R Series), SATA and nVME storage, Ethernet switching, video graphics (with OpenGL and OpenCL), discrete and analog I/O, and avionic interfaces (MIL-STD-1553, ARINC 429 and AS-5643 MIL-1394B) operating under MS-Windows, Linux, VxWorks, Integrity and Deos.

<https://youtu.be/nyBfKZKZHNU>