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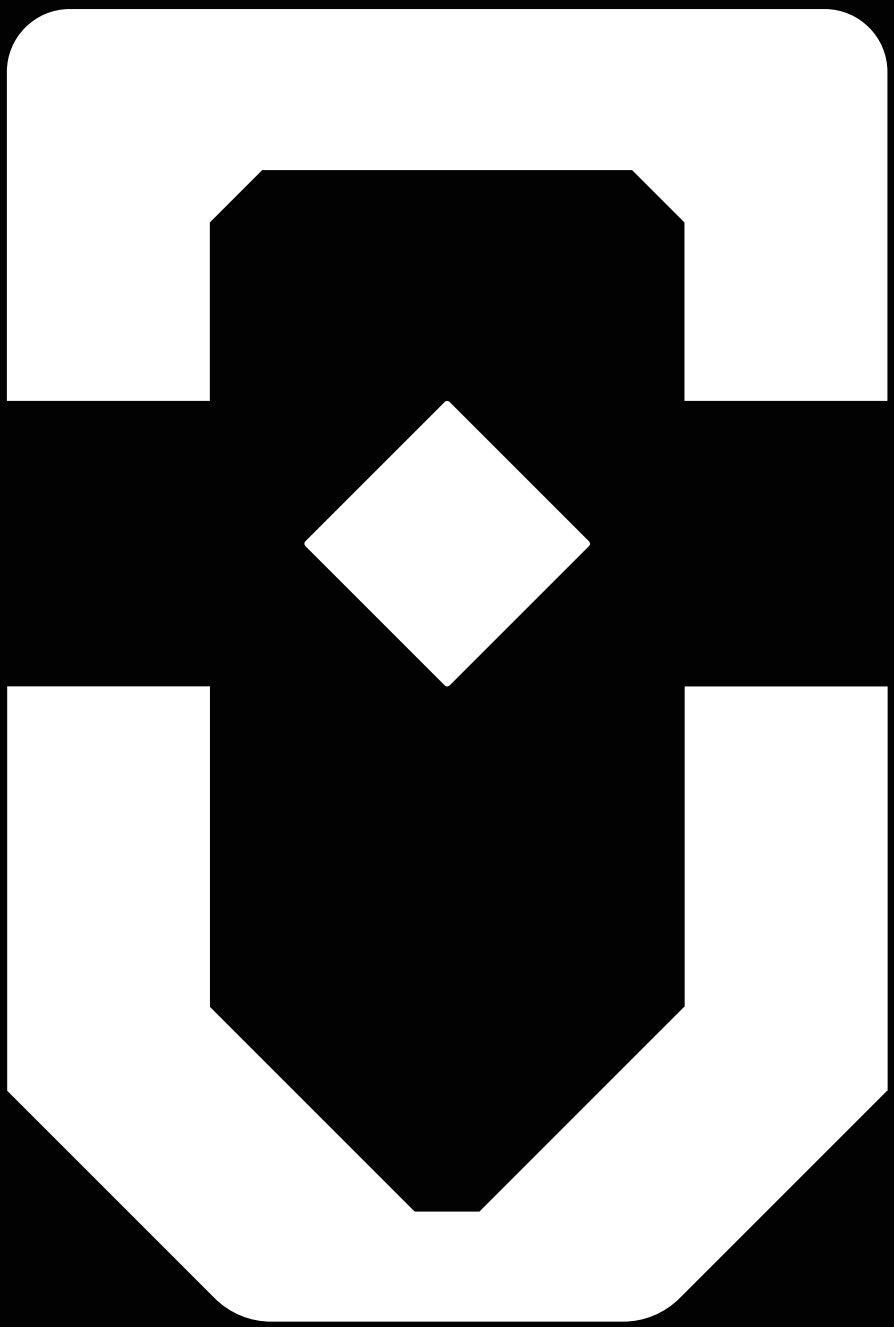
JULY 2025

VAST™ Datasheet



VAST

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Stream Video on any Network, Anywhere

Stream video over any transport from the latest MANET to HF. VAST™ makes video possible where it wasn't before. Its novel AV1 video streaming technology solves the challenges of real-time video from the network's edge, no matter the transport or the platform.

Built for the Tactical User

Designed to support and extend FMV capabilities to the tip of the spear. Does not rely on image transfers. Streams real-time video, including metadata such as KLV.

Software Encoding

Modular video encoder designed to run across a range of hardware, including our VAST™ appliances.

No Server Required

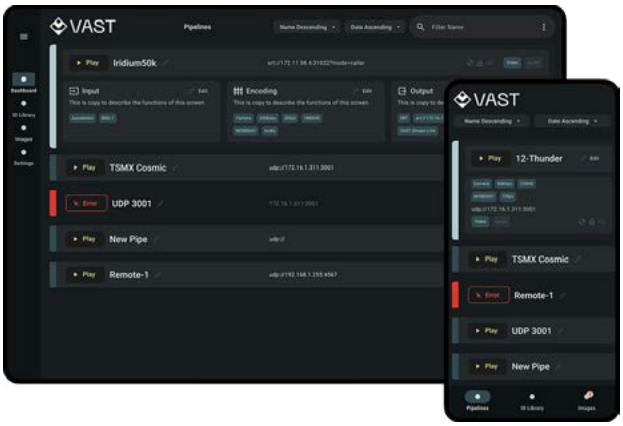
VAST operates without the need for a video management system or server to stream video.

Open Standards

Leverage open media standards like KLV, AV1, SRT, etc. No proprietary formats.

Clean Video, No Distortion

Utilizes the AV1 compression standard, so even highly compressed video is clear with no visual artifacts like tearing or distortions.

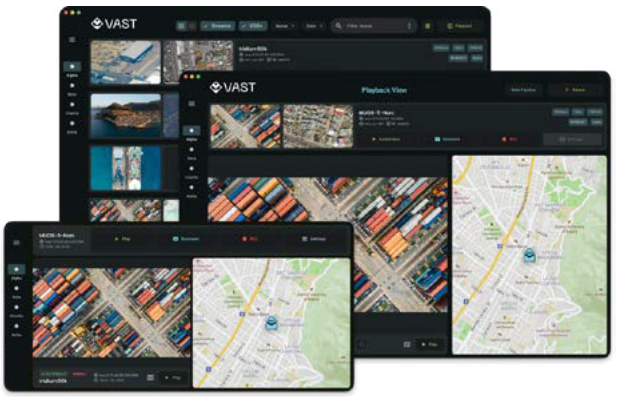


Easy to Use UI

VAST™ apps feature a simple UI for creating, storing, managing, and sharing video presets and workflows.

Still Image Compression

Can compress image files as much as 5,000 to 1 compression ratio.



VAST Vue™

An integrated, cross platform VAST™ player for AV1 streaming video playback, recording, and snapshot capture. Intuitive interface simplifies setup and managing of multiple VAST™ encoders.

VIDTERRA COMPASS

VAST™ is now integrated with Vidterra Compass. The Compass ecosystem creates the digital pipes for mission critical ISR data and transforms video distribution into a seamless and efficient experience.

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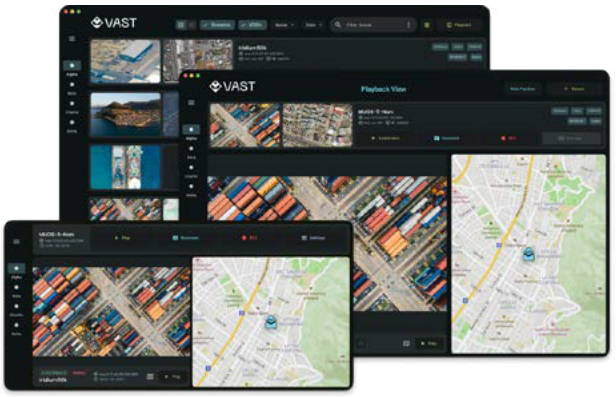
Vast OS™

A standalone software based video encoder, VAST™ enables the ultimate in deployment flexibility. It's extremely efficient compression allows it to run on a variety of low SWaP-C hardware platforms at the network's edge. it can be integrated with most any hardware platform or system across any transport.



VAST™ Purchasing options

VAST™ is available on hardware or as software

There are flexible purchase options for VAST™, including VAST™ hardware from RMX, VMs or bare metal installations for existing edge compute devices. VAST™ is also available from key VAST™ OEM intergration partners.

- VAST™ Air (SBC boards), VAST™ Tactical (With Cases)
  - N-100, i3 and i7 SBCs from Aaeon
  - Raspberry Pi 5 and CM5
  - Multiple connector and case options
- VAST™ VMs for VMware, KVM or Docker
- VAST™ OEM intergration partners

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Proven Technology & Performance

VAST™ has been tested across numerous RF bands, with multiple partners and end users

Test location	Technique	Rf band	Description
Aerospace Partner facilty - Reno, NV	L-Band Tactical L-Tac, LAISR	VHF/UHF-to-L-Band 1-2-GHZ	UDP Multicast direct video streamiubng over LTAC
Ft. Moore, GA	UHF TACSAT	UHF 225-400-Mhz	First UDP Multicast direct video streaming UHF TACSAT
Adberdeen Proving Ground, MD	3G ALE (HF)	HF 1.5-30-MHZ	First ever video streaming over HF
Joint Base Lewis-McChord, WA	MUOS SATCOM	UHF 300-320-MHz	First video streaming over MUOS SATCOM link, Including testing for VTC capability
Ft. Huacguca Test Range, AZ	4G ALE (HF)	HF 1.5-30-MHZ	Direct streaming across multiple HF environments, including 500-mile link to a facility in San Diego.
Colombia & Peru	sUAS ISR System	S-Band 2-4-GHz	Live trails to support Surveillance & counter-narcotics operations in jungle environments

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