V *VideoPropulsion*®

CAMbrick™ CAM Array
High-Density CAM and Smartcard Assembly

A Powerful tool for decrypting PayTV channels prior to re-encrypting them in a Head-end – taking high density to a new level!

The *VideoPropulsion*® **CAMbrick™ CAM Array** is a high density Conditional Access Module (CAM) and Smartcard array. The new CAMbrick assembly consists of one to seven modules, each with four Common Interface (CI) slots, which can all be cabled to a single, short, low-profile PCIe interface. The modules are cleverly designed to fit in a standard, 3.5", hot-swap hard disk drive (HDD) canister for convenient mounting in a server. Each SI slot allows for the insertion of CAM and smart card for decryption of PayTV services. With 8 decrypts per CAM/Smartcard, a total of 208 channels can be simultaneously descrambled using seven available HDD canisters "hidden" in the drive bay and a single x1 PCIe slot. A single port PCIe interface is also available for operating one CAMbrick. PCIe interfaces with more than seven ports are also planned.

"The CAMbrick is a great, high density tool for decrypting PayTV channels prior to transcoding and re-encrypting them in a head-end," says Carl Pick, VideoPropulsion Chairman and CEO. "There are only so many slots and so much empty space to mount this sort of thing in even the largest commercial servers. Our new, innovative CAMbrick solves both the fan-out and mounting challenges for large CAM and smartcard requirements. The product name, in fact," adds Pick, " is a play on words of the term *cambric,* which refers to a a lightweight, closely woven linen fabric, and *brick*, which is what it looks like."

- One to seven CA modules
- Four Common Interface (CI) slots per module
- 3.5" standard hot swap HDD canister form factor
- 8 decrypts per CAM/Smartcard
- Up to 208 channels of simultaneous descrambling in a single PCIe slot using 7 canisters
- Single short, low profile PCIe interface
- Single port PCIe slot per CAMbrick

VideoPropulsion offers various appliances with integrated satellite receivers, CAM arrays, transcoders, encrypters, and QAMs. The Company's flagship FloodGate Monsoon FG-5000 series can now receive multiple MPEG programs via DVB-S2 satellite, decrypt the programs using embedded CAMbrick, transcode the content from H2.65 to MPEG2, re-encrypt the programs using AES-128 encryptions, multiplex then modulate output on QAM. The QAM output supports DVB-C standards for Annex A, B, or C. Outputs can also support IP multicast streams for delivery on IP networks. Virtually any standard AES-128 based encryption is supported, and the Company supports several flavors including Pro:Idiom®, SamsungLynk®, Verimatrix®, NSTV, Conax, Vsecure®, and other custom proprietary encryptions.