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Quantum3D Embedded Visual Computing Subsystem (EVCS) with Eidetix Video-Capture and Processing Capability Selected by Appian Technology, PLC, for Stinger Intelligent ANPR Camera

Quantum3D COTS EVCS-1.0 Enables Appian Stinger Intelligent ANPR Camera to Support Deployed Automated License Number Plate Recognition with Wireless Connectivity for Extended-Environment Deployments

SAN JOSE, CA—JULY 30, 2007—[Quantum3D[®], Inc.](http://www.quantum3d.com), a leading provider of Commercial Off-the-Shelf (COTS), open-architecture, realtime visual computing solutions, today announced that [Appian[®] Technology, PLC](http://www.appiantech.com), has selected Quantum3D's Embedded Visual Computing Subsystem (EVCS[™])-1.0 for use in the [Appian Stinger Intelligent Automatic Number Plate Recognition](http://www.appiantech.com) (ANPR) camera. The recently announced Appian Stinger camera is capable of recognizing vehicle license plates in traffic and then reporting the results to traffic and police authorities using integrated wireless and wired communication technologies, including GPRS/GSM, 3G, IEEE 802.11 and IEEE 802.3.

"Appian selected the EVCS for the Stinger Program as a result of Quantum3D's unrivalled capability in video capture and processing and deployed visual computing," said Tom Keene, Appian's commercial director. "Quantum3D's track record, especially in the worldwide mission-critical military and defense markets, proved a key factor in our decision to select Quantum3D."

"Appian is a recognized leader in ANPR and related machine-vision applications," said Ross Q. Smith, Quantum3D president and co-founder. "The combination of Quantum3D embedded visual computing technology with Appian's domain expertise and customer insights make for a very compelling ANPR solution. All of us at Quantum3D are pleased to be working with the Appian team to help create and deliver this industry-leading ANPR product."

About the Appian Stinger Intelligent ANPR Camera

The Appian Stinger camera combines optical and sensor components from Appian's high-performance Cobra camera with the new Quantum3D EVCS-1.0 to provide a scalable offering that enables Appian customers to select from a range of camera and infrared (IR) illumination options—including dual cameras and long-range illumination options—with unmatched flexibility. Stinger cameras are available with optical zoom, which means that Stinger installations may be optimized to suit differing license-plate and environmental conditions at ANPR capture points.

All Stinger camera settings may be controlled and adjusted remotely in realtime. The Quantum3D EVCS-1.0 is designed to operate in harsh environmental conditions that include extreme temperature fluctuations. The EVCS is capable of handling up to four separate video inputs, and each Stinger has the capability to connect and process imagery from a "slave" Cobra dual ANPR camera.

Stinger supports additional electronic sensors, devices and applications, including DSRC/RFID, speed and red-light detection devices—all connected to and controlled by Stinger. Stinger requires minimal installation and its discreet appearance has little impact on the environment, making it the ideal stand-alone ANPR surveillance system.



Appian[®] Technology, PLC Stinger Intelligent Automatic Number Plate Recognition Camera
Photo Courtesy Appian Technology, PLC

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The Appian Stinger Intelligent ANPR camera is available from Appian Technology, PLC. For more information, please contact sales@appian-tech.com.

About the Quantum3D EVCS-1.0

The Quantum3D EVCS-1.0 is the first compact, COTS, open-architecture, scalable, RoHS-compliant, conduction-cooled EVCS designed to meet the needs of machine-vision, traffic-surveillance and security OEMs and others who desire to deploy advanced, embedded visual computing capabilities that use the OEMs' chassis or smart-camera designs. Featuring a unique, conduction-cooled modular design, the EVCS-1.0 includes Intel® Mobile CPUs. It is available with a range of graphics, I/O, solid-state and Shock Resistant/Extended Temperature (SR/ET) rotating media storage devices and LAN, GPS and wireless-networking options that enable the subsystem to be tailored to address a broad range of extended-environment mobile and fixed compute-, graphics- and video-intensive applications.



Quantum3D EVCS-1.0 with Heat Sink for the Appian Stinger Intelligent ANPR Camera

A key feature of the EVCS-1.0 is the Quantum3D Eidetix™ Advanced Video Capture and Processing System (AVCPS), a COTS subsystem developed by Quantum3D that enables the EVCS-1.0 to capture and process up to four simultaneous NTSC, PAL or RS-170 composite video streams under Microsoft® Windows® or Linux® operating environments.

Designed for long-lifecycle applications, the EVCS-1.0 features a modular architecture that provides OEMs with a great degree of flexibility in selecting the CPU, graphics, I/O, GPS, wired- and wireless-networking, and storage capabilities to meet their project or product technical, environmental and budgetary requirements. In addition, because the EVCS-1.0 features this high degree of modularity, the product enables Quantum3D to assist OEMs in managing COTS obsolescence issues by providing the technology insertion of new, form/fit/function-compatible modules for End-of-Life (EOL) situations.

Because EVCS-1.0 is an OEM subsystem, each application requires tailoring to meet customer requirements and adjust for the thermal, power, software and I/O interfacing of the subsystem.. Accordingly, Quantum3D has engineered a target reference system for the EVCS-1.0 that provides a binary-compatible platform for OEM software development and testing. In addition, with the purchase of the target reference system, Quantum3D will work with the OEM to develop a customer-specific heat-sink solution and an FCC-, CE- and UL-certification strategy that is appropriate for the OEM's chassis. The heat-sink solution is then included with every subsystem purchased by the OEM.

Quantum3D EVCS-1.0 Pricing & Availability

Quantum3D EVCS-1.0 subsystems are available immediately with international, single-unit pricing for mid-range, extended-temperature models starting at approximately \$6,000 USD. Detailed pricing for specific configurations and significant volume discounts for OEMs is available. Consult Quantum3D for more information. The EVCS-1.0 supports Microsoft Windows XP and XP Embedded operating systems and popular Linux distributions to provide unparalleled PC application compatibility, which enables OEMs to rapidly deploy desktop or notebook computer-based applications into fixed or mobile extended environments without porting or re-qualification.

About Quantum3D

Quantum3D develops and markets COTS realtime, open-architecture [Image Generation](#) (IG) solutions, [Embedded Visual Computing](#) (EVC) systems and subsystems, development software and support services for the synthetic environment visual and sensor simulation and training and tactical and industrial visual computing markets. Quantum3D is a privately held company headquartered in San Jose, California, with development centers located in Phoenix, AZ, Huntsville, AL, and Orlando, FL and with sales and logistics in Europe via Quantum3D, Ltd., located in Reading, UK. For more information about Quantum3D real-time visual computing solutions, please visit www.quantum3d.com.

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