



Embedded Systems Development

About Cimarron Systems

Cimarron Systems, LLC is an engineering company with one of its primary focuses on the development of embedded systems for the commercial and consumer markets. The company offers development services that include:

- Product end-user requirements analysis, system design, hardware/software design, implementation, and verification testing;
- System integration, testing, and deployment of key system components; and
- Product production from initial quantities to full-scale, high-volume production.

Whatever your needs, Cimarron Systems has the broad expertise required to cost-effectively provide an embedded product development solution that best fits your precise requirements.

Embedded Systems Technologies

Cimarron Systems has in-depth experience within a number of embedded system application domains including:

- Media terminals for iTV delivered via traditional cable and satellite provider networks as well as via emerging broadband IP and wireless networks.
- Components for iTV networks meeting the requirements of the tru2way network architecture including for: the Host Device/CableCARD, various copy protection/DRM systems, and CA System infrastructure.
- RF/optical components for cable, satellite, and wireless networks.

In addition, the company has experience developing embedded system implementing and using the following technologies:

- Real time MPEG-2/4 video/audio encoding and transcoding, transport stream multiplexing, metadata tagging, encryption, IP streaming, modulation, up-conversion, and forward/reverse path out-of-band channel infrastructure.

- Embedded system CPUs including ARM 9, 7, and Cortex-M3; TMS320DMxxxx, MIPS; and Intel with operating systems including Linux, VxWorks, Mac OS, iOS, and Windows.
- Embedded component technologies including camera image sensors for real time A/V encoding using various algorithms e.g., H.264 at resolutions of 1920x1080p at 30fps.
- Network technologies including Ethernet 10/100/1000, IEEE 802.11a/b/g/n, and IEEE 802.15.4 ZigBee/RF4CE.



Partial List of Clients

A partial list of clients is:

- AT&T Broadband
- Tandberg TV
- PPC
- Arris/Digeo
- Evolution Digital
- enableTV
- Vidiom Systems

How We Work

Cimarron Systems believes in using a systematic approach in order to meet our client's specific needs. During our initial contact we confidentially gather information concerning project scope, key issues, expected results, and timeline for completion. If the company can perform the assignment, a project proposal that includes requirements, task descriptions, and estimated schedule and costs will be provided.

Please Contact Us

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