



Conditional Access, Digital Rights Management, and Copy Protection Systems

About Cimarron Systems

Cimarron Systems, LLC is an engineering company with expertise developing conditional access, digital rights management, and copy protection technologies used in systems that deliver content via satellite, cable, subscriber line, and wireless networks. The company offers development and analysis services that include:

- End-to-end and component level cryptosystem design from requirements analysis to hardware, firmware, and software implementations; and
- Cryptosystem assessment including threat vulnerability analysis.

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

Conditional Access and Digital Rights Management Systems

Cimarron Systems has experience with all major Conditional Access (CA) and Digital Rights Management (DRM) systems including:

- Conditional Access Systems (CAS) from Motorola (DigiCable), Cisco (PowerKey), NDS (VideoGuard), and others.
- DRM systems from Microsoft, Real Networks, the DTLA, and the 4C Entity.

Cryptosystem Technologies

In addition, the company has in-depth experience with all important content protection technologies including:

- Digital video/audio scrambling mechanisms including SCTE DVS-042 (Harmony), DVB Common Scrambling Algorithm (CSA), OpenCable POD/Host Interface Copy Protection, Digital Transmission Copy Protection (DTCP), High-bandwidth Digital Copy Protection (HDCP), Copy Protection for Recordable Media (CPRM), and others.

- Internet PKI, Certificate Authority, and Internet X.509 v3; IPSec; Java application security framework; ISO 7816 security technologies including Java Card, MCOS, and others.
- Symmetric key algorithms e.g., DES, AES, and others; public key algorithms e.g., Diffie-Hellman, RSA, and others; the Digital Signature Algorithm (DSA); the Keyed Hashing Message Authentication Code (HMAC); and other algorithms.



Partial List of Clients

A partial list of clients is:

- AT&T Broadband
- Charter Communications
- Rogers Communications
- PolyCipher
- Vidiom Systems
- Tandberg TV
- On Command

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

telephone: (303) 674-9207

mailto: info@cimarronsystems.biz

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