

PRESS RELEASE

NAGRAVISION SHOWCASES AN IP-BASED SECURITY SOLUTION FOR PREMIUM VIDEO SERVICES AT TELCOTV 2004

Nagra IP Protects Digital Content from Production to the Home

ORLANDO, Fla. – November 17, 2004 – TelcoTV 2004, NagraVision Booth # 110 – NagraVision, the world leader of content security, open conditional access and Digital Rights Management (DRM) systems, is showcasing an IP-based security solution for premium video services at TelcoTV 2004. A live demonstration includes a Nagra IP system, an MPEG-over-IP encoder and a scrambler from Harmonic, a router, and an Amino IP set-top box. The Nagra IP system protects the digital television streams and movies from content production to the home.

To help service providers offering digital television over IP, NagraVision has created DRM solutions specific to their needs so that access is protected wherever content is carried. The copy protection features of the Nagra IP solution adapt to various business models while keeping content secure throughout the network transport system. Key security features of Nagra IP for xDSL networks include:

- Strong user identification and authentication to control subscriber access and prevent identity theft.
- A Digital Rights Management feature, which controls subscriber use of the content by securely managing and storing keys and licenses.
- A Copy Protection feature that prevents illegal re-playing and copying of content using a Nagra security implementation process in set-top boxes based on secure software and hardware architectures.

"Rights holders and content providers want their valuable content protected no matter what the means of distribution. At NagraVision, we have considerable experience in securing content worth billions of dollars. Our powerful security systems scale to match the robustness required to safeguard premium channels with large numbers of subscribers," said Robin Wilson, Vice President of Business Development at NagraVision. "NagraVision has optimized its solutions to take full advantage of a two-way network, while preserving and augmenting many of the features that ensure unlimited scalability, efficient bandwidth usage and security."

Nagra IP security solutions are also designed to support hybrid cable or satellite networks and telecom networks. The use of a single security platform significantly reduces the overall capital and operational expenses for operators wishing to offer programming over both types of networks while increasing ARPU with additional services such as video-on-demand.

Both content owners and service providers can rely on NagraVision's wealth of experience to protect and defend their assets throughout the transport system. Content

offered to more than 50 million subscribers set-top boxes worldwide on cable, satellite, terrestrial and DSL networks is currently secured by Nagravision solutions.

About the Kudelski Group

The Kudelski Group (www.nagra.com) is a world leader in digital security. Its technologies are used in a wide range of applications requiring access control and rights management, whether for securing transfer of information (digital television, broadband Internet, video-on-demand, interactive applications, etc.) or to control and manage access of people or vehicles to sites and events. The Kudelski Group is headquartered in Cheseaux-sur-Lausanne, Switzerland, and its stock is listed on the Swiss Market Index.

Nagravision is the world's leading independent supplier of open conditional access and integrated solutions for digital TV operators and content providers. Its technologies are currently being used by more than 120 leading operators worldwide serving over 50 million subscribers.

Contacts:

Dawn Danaher
Media Relations, Americas
+1 714 378 5841
pr@nagra.com

Marie-Vincente Pасdeloup
Communications Manager
+33 1 70 71 61 73
mvp@nagra.fr

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