



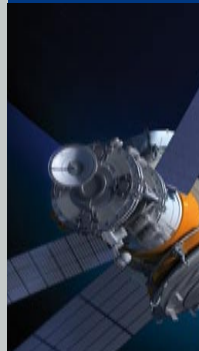
BROADCAST H.264 AVC

HD revolution is on the way, requiring major TV operators to take the lead by providing High Definition channels to their viewers. Even new local TV operator needs to win marketshare by innovative content and high quality video. Challenge is there to provide high quality systems, at an efficient purchase cost, and most important, at a low usage cost. Next generation HD encoder is now available with low power consumption, full redundancy for 99,999% service, and full remote management.



IPTV

- 1- For a dedicated appliance platform, like a DVB to IP gateway, ECRIN Systems provides a ready-to-use standard platform for the early development phases and prototyping.
- 2 - A fully OEM customized platform is designed with our customer's marketing and technical department.
- 3 - ECRIN Systems finally takes care of the supply chain and delivers all around the world final customers from our partner.



IPTV

From COTS products...

LiveStream series

- Range of professional 1U/19" products for HD-SDI/SDI and H.264 convergence.
- Designed for Broadcast contribution, Live Streaming, News gathering and IPTV applications.
- A full range of products:
 - SDI to H264 SD Encoder
 - HD-SDI/SDI to H.264 HD Encoder
 - H.264 to HD-SDI/SDI Decoder
 - H.264 or Mpeg2 to H.264 transcoding or transrating
- Up to 2 channels
- Front panel with local MMI, Web Remote control, SNMP management
- Full redundant system with global management
- Low power technology



Niagara series

Niagara Pro II

- 2U Rack Unit for Live Capture, encoding and streaming for professional grade digital video and audio delivery
- High-level features: logo insertion, WSS, Subtitle overlay..
- 1 up to 4 video inputs, Analog, HD-SDI, SDI, AES / EBU versions.
- Front-panel LCD display status, control buttons and LED audio meters
- Simultaneously streams multiple resolutions at multiple bit rates in multiple streaming formats : H263, H264, Flash, WM9, Real, 3GPP
- Remote management of systems from web pages with SCX management software, or using the SCX SDK in your own application.



GoStream SURF

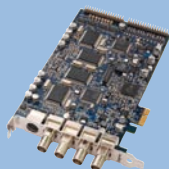
- Portable streaming appliance for live events on-the-fly. Just grab the handle and GO!

Niagara 2100

- Entry level streaming media appliance (silverlight compatible)

Osprey cards

- Osprey video capture cards, reliable, versatile, with stable drivers
- Osprey family of capture cards available from 1 up to 4 video inputs, Analog and/or SDI according model., PCI-X or PCI-Express formfactor



Live events

WebTV



Next generation broadcast is moving from pure video to IP networks. Local cable operators can now grab digital Mpeg2 streams from DVB and transcode it live to H264, with the same video quality but using half bandwidth. Highly innovative solutions need also to be cost efficient for this competitive market.

BROADCAST TRANSCODING



LIVE EVENTS & CORPORATE



New technologies drive the market to real-time information. Live events now request to be broadcasted on-the-fly, enabling customers to follow events in real time. ECRIN Systems provides small, rugged, easy to use field encoders. These equipments offer high quality encoding for a low bandwidth, easily pushed to the streaming server for Internet audience.



World is becoming digital and and WEBTV is a perfect example of next generation broadcast. TV operator start now to broadcast the web using Windows Media and Flash codecs. Equipments must be professional broadcast systems, with encoding from the main HD stream to smaller internet resolutions. Complete remote management and full integration with existing software are also part of the key requirements. ECRIN Systems provides such high level equipment, keeping also the simplicity to start encoding with push button on the front panel.



Broadcast

... to ODM services

ECRIN Video & Broadcast Engineering develops dedicated solutions for OEM customers:

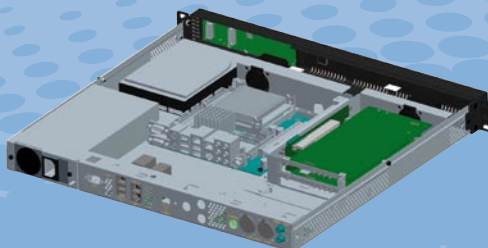
- > "Ready to Application" Professional encoders, with optimised NRE costs and fasten Time to Market
- > ODM services: outsourced design and manufacturing of your system (mechanic, electronic, software and EMC certifications)
- > Project leadership: full project out-sourcing to ECRIN Systems
- > Deep knowledge and experience in video and codecs

ECRIN Video & Broadcast adapts the solution with the customer's request :

- From low volumes prototyping using COTS parts
- To medium volumes with customized solution
- Up to high volume of full custom with low-cost manufacturing

ECRIN Video & Broadcast is in charge of the whole design and production process, enabling its customer to focus on his core business:

- Specifications with customer's marketing,
- Technology analysis and choice,
- Design, prototypes, ECM certifications,
- Mass production with testing and software integration,
- Packaging and shipping.



Specifications

As systems are now all interconnected, the interoperability is the key for a successful global platform. To ensure such results, interfaces must follow official specifications.

- ANSI/SMPTE 259M: SMPTE standard for the 10-bit up to 360 Mb/s SD-SDI link
- ANSI/SMPTE 274M, SMPTE standard for scanning systems having an active 16:9picture area of 1920 pixels by 1080 lines
- ANSI/SMPTE 292M, SMPTE standard for the HD version of the SDI link
- SNMP: simple Network Management Protocol: Enable to monitor network-attached devices

Beside interfaces, the system itself must follow some standard specifications, according countries and market obligations.

- RoHS (Reduction of Hazardous Substances): Ensure electronic part without lead, cadmium, mercury, hexavalent chromium, and 2 flame retardants (PBB and PBDE).
- NEBS: strong rugged certification, for Telecom systems in USA
- CE / FCC / UL: electromagnetic and security validation for appliances
- Temperature, humidity, vibration, noise: can be requested for specific market or project



Corporate

ECRIN Video & Broadcast

your partner in streaming video and IPTV solutions

ECRIN Systems was created in 1976 in Grenoble area - France.
In 2008, Video and Broadcast department was set up to develop, manufacture and provide professional video systems.

ECRIN Systems has recently merged with IP Systemes group to become the leader of the Embedded market in France.

The company has complete technical and certification knowledge and is therefore able to meet specifications, development and production requirements for all electronic systems dedicated to professional video applications:

- Specific project process handled by project manager and development team.
- High quality expertise in engineering and R & D, mechanic and electronic CAD, software development, certification, supply chain, technical support.
- Quality Management Plan fully part of the company ISO 9001:2000 certification since 2003.
- A certified network of engineering and qualified subcontractors.

ECRIN Video & Broadcast department is a reliable industrial and engineering partner and manufacturer for professional video customers.



Video & Broadcast sales office

Immeuble Le Bergson - 15, avenue Emile Baudot
91300 Massy - France
Tel. : +33(0) 1 69 07 18 84
Fax : +33(0) 1 69 07 19 95

Headquarters

143, rue Louis Neel - Parc Technologique Pré Roux
38920 Crolles - France
Tel. : +33(0) 4 76 92 20 01
Fax : +33(0) 4 76 08 03 18

sales@ecrin.com • www.ecrin.com

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features and specifications for
all products.***