

AIRmont

HIGHLY CONNECTED

AIRBORNE LIVE STREAMING & TV



A stand-alone solution which makes
online streaming affordable

IN COOPERATION WITH:

COBHAM
AEROSPACE COMMUNICATIONS



WHAT IT IS ABOUT?

Nowadays, more and more airlines offer internet on board. However, it appears a real challenge to allow many passengers to stream their video simultaneously. It is due to high Gbyte cost and limited bandwidth.

In-Flight Entertainment (IFE) was only based on offline movies and contents. Today, live TV with few channels has been provided on some flights due to the growth of internet speed.

Airmont's patented technology allows each passenger to access streaming content at a minimal charge.

This solution is a game changer in the world of IFE since it gives access to passengers' most desirable content: to their own subscriptions.



Airmont develops innovative software solutions and services to enable seamless digital experience for highly demanding mobile users, allowing them to remain fully connected and informed while being on land, sea or air throughout the world.

BENEFITS

FOR AIRLINES:

- Personalized customer experience to all passengers simultaneously
- Help to build a profitable business case due to low and predictable per flight cost
- Customizable interface
- Revenue from attractive streaming service
- A solution easy to integrate and to retrofit in the existing IFEC architecture on board, agnostic to the connectivity solution of the aircraft (Ku/Ka/ATG)
- Dynamic global bandwidth changes while keeping fluid video experience
- Optionally: differentiated streaming experience for business/eco or free/paying PAX.

FOR PASSENGERS:

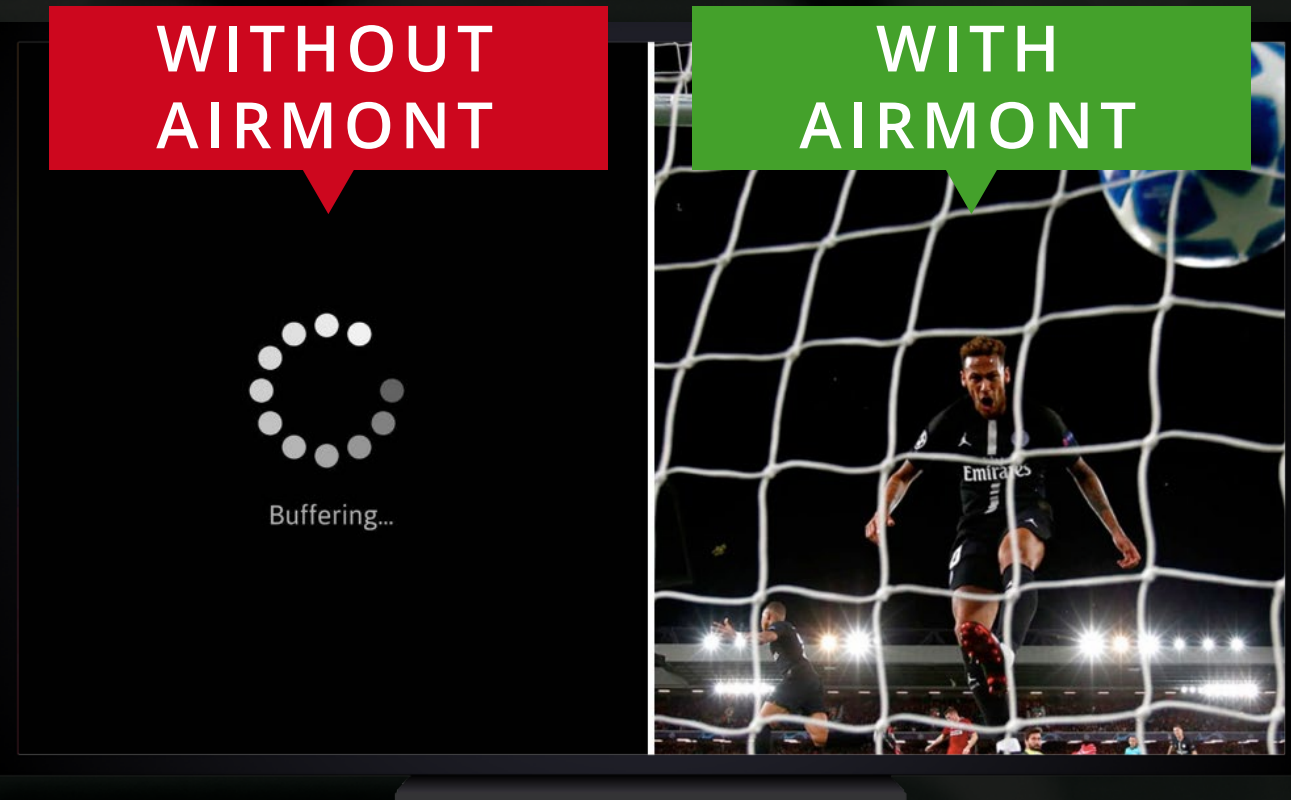
- Access to online TV channel package on their own PED
- Access to their personal streaming subscription
- Guaranteed seamless video experience at limited cost
- Easy-to-use interface



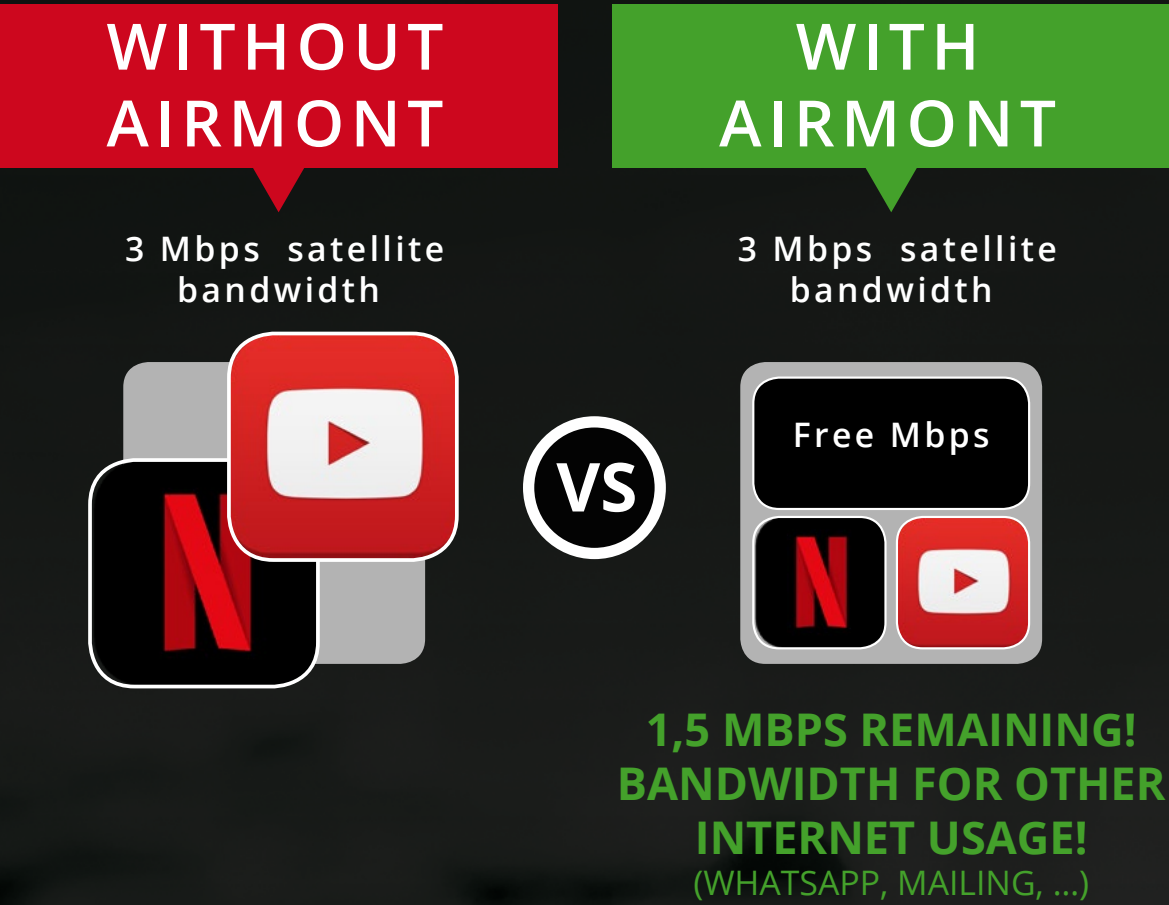
HOW DOES IT WORK?

Without Airmont, applications natively use the bandwidth specified by each streaming service provider. Due to satellite latency, video stream will often be on hold and face “buffering” issues. Moreover, the bandwidth is not enough to support many simultaneous streams and the cost of each stream is significant.

With Airmont, each stream’s bandwidth can be reduced to a specified limit saving 75% of airtime and transported using robust protocols supporting up to 10% packet loss.

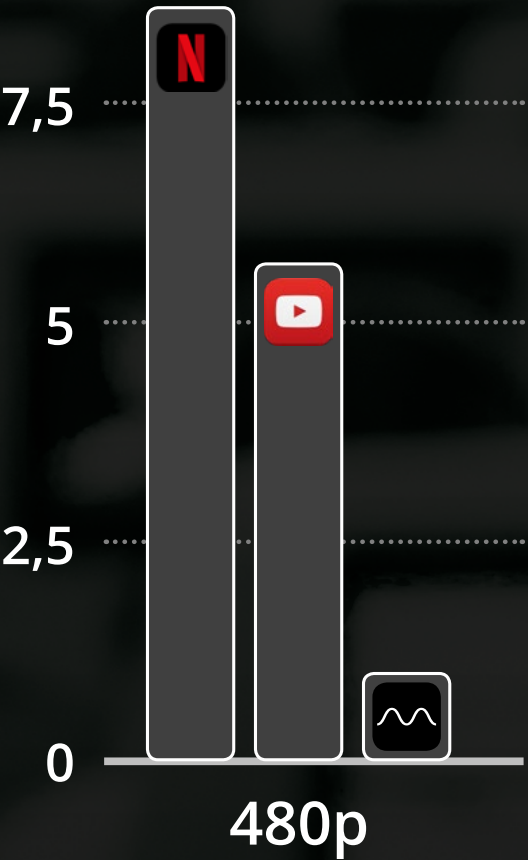


More users can enjoy a seamless video experience at the same time and it saves some bandwidth for other usages, such as surfing on the internet or using WhatsApp.



Bandwidth ratio for the same resolution

- YOUTUBE
- NETXLIX
- AIRMONT



WATCH THE VIDEO
SAVE 75%
SATELLITE BANDWIDTH
WITH AIRMONT
STREAMING

CONTENT SOURCES & TECHNICAL CONSIDERATIONS:



- Linear TV: offer to PAX different TV channel packages
- Personal streaming: offer to PAX access to their own streaming service subscription, with guaranteed QoS, at attractive price
- Compatible with airline's existing content provider agreement
- Solution which can support more than 50 PAX streams spread between:
 - Linear TV: mutualized for all PAX
 - Cast: 1 stream/PAX
- Bandwidth usage per streams = 550 kbps
- User interface to be integrated into existing IFE environment
- Easy step to get access to service:
Connect to onboard WiFi and install APPS
After subscription, start you personal Streaming APPS, cast and enjoy!
- Recommended connectivity solution (Ku/Ka/AtG)

ON-BOARD EQUIPMENT:



EXISTING IFE SYSTEM

- 1** WAP
- 2** IFE server
- 3** Communication

- COBHAM JETLAN AS270, light weight and high reliability cabin server
- Quad-Core i7, 16GB RAM, GbE, 4TB SSD storage capacity (extractible)
- 28VDC, Low consumption (45W for 50 individual streams)
- Fully qualified to DO-160, certified and in operation since 2018 on different carrier type (A330, A321, Sukhoi Bizjet, pre-selected on MA700)
- 2 MCU per ARINC 600, tray mounted
- Offers multiple I/O interface for easy integration in existing cabin architecture
- Built-in Airmont Streaming & Live TV solution

CONTACT US FOR MORE INFORMATION!

 WWW.AIRMONT.COM

 WWW.COBHAMAEROSPACECOMMUNICATIONS.COM

AIRMONT
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AIRMONT DATACAST

12-14 AVENUE LOUIS ARMAND, 95120 ERMONT, FRANCE
PHONE: +33 134 133 723
VAT: FR 18 824 386 221
E-MAIL: CONTACT@AIRMONT.COM

COBHAM
AEROSPACE COMMUNICATIONS

COBHAM AEROSPACE COMMUNICATION - DOURDAN
7 CHEMIN DE VAUBESNARD, 91410 DOURDAN, FRANCE
PHONE: +33 (0) 1 60 81 5555
VAT: FR 32 412 162 448
E-MAIL: CAC.EMEA&APAC.SALES@COBHAM.COM