



CCBE 2019

ONE IP Audio Solution



digigram

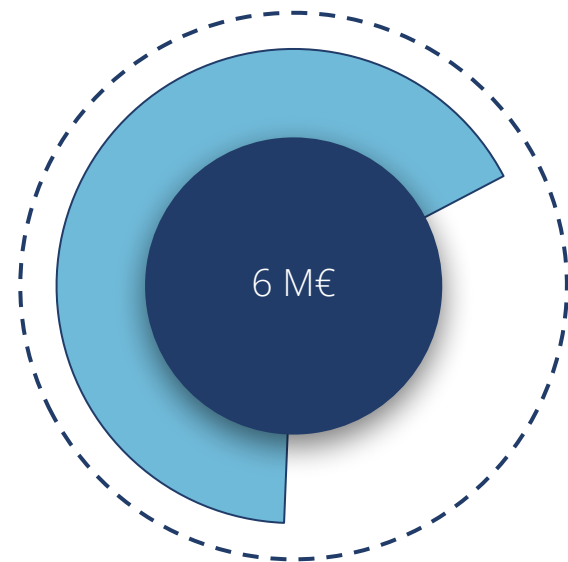
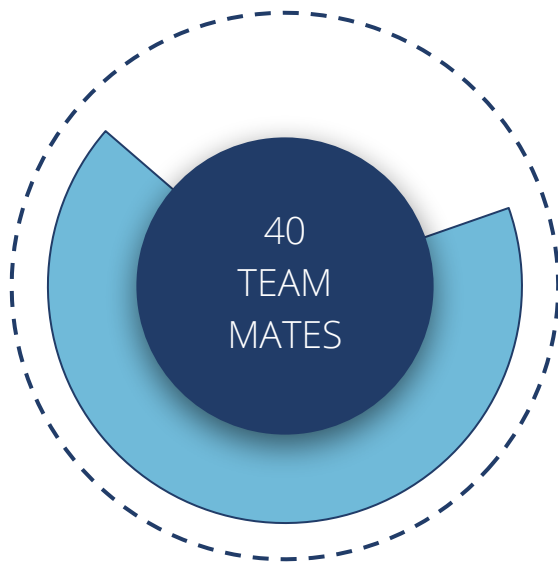


September, 27th 2019

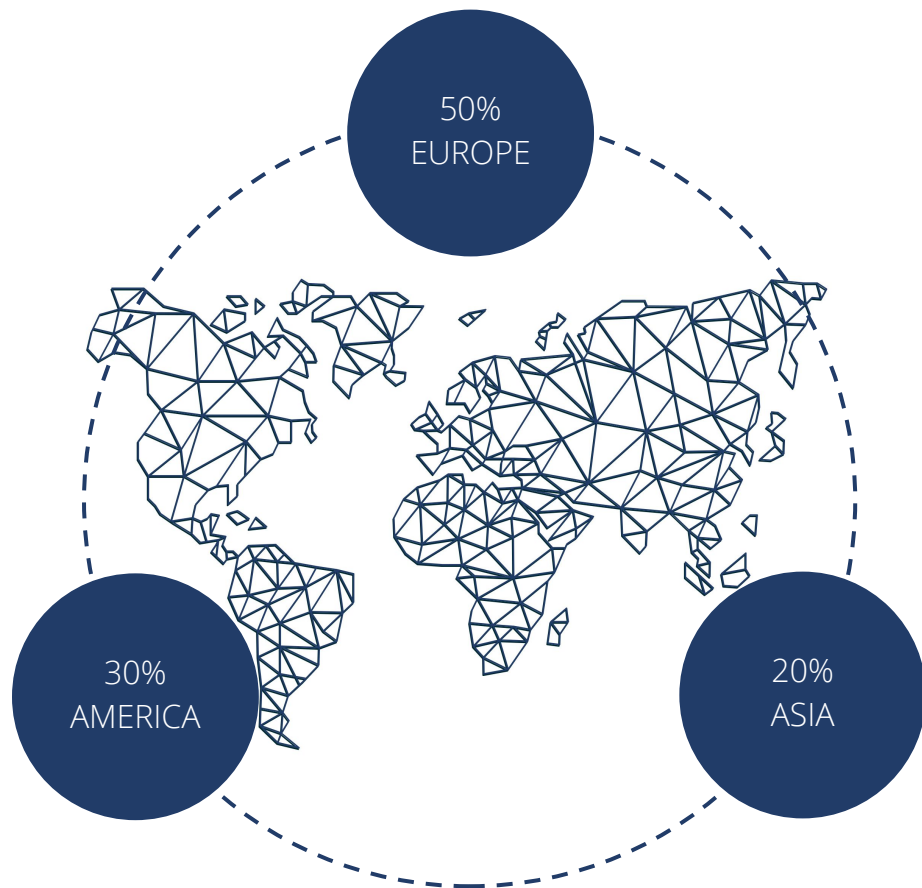
What do we do ?



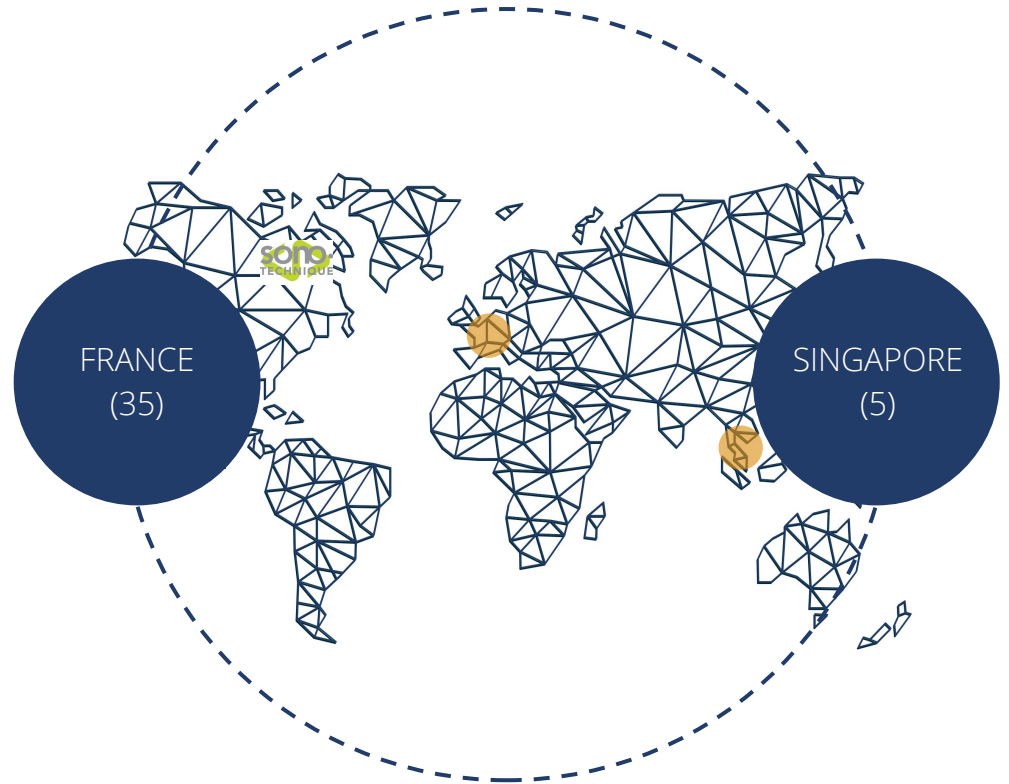
We are DIGIGRAM



We are born global



With a global footprint



We are Radio Change Makers

2000 - Digigram shows the way for audio networking

1990 - Digigram invents the broadcast sound cards

2010 - Digigram pioneers Audio over IP codecs

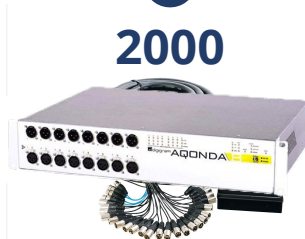
2020 - Digigram changes the way journalist makes news



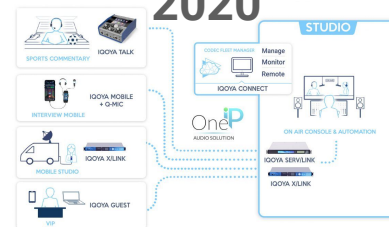
1990



2010



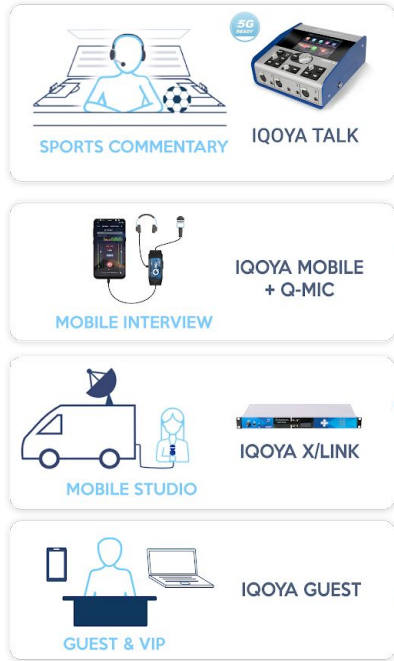
2000



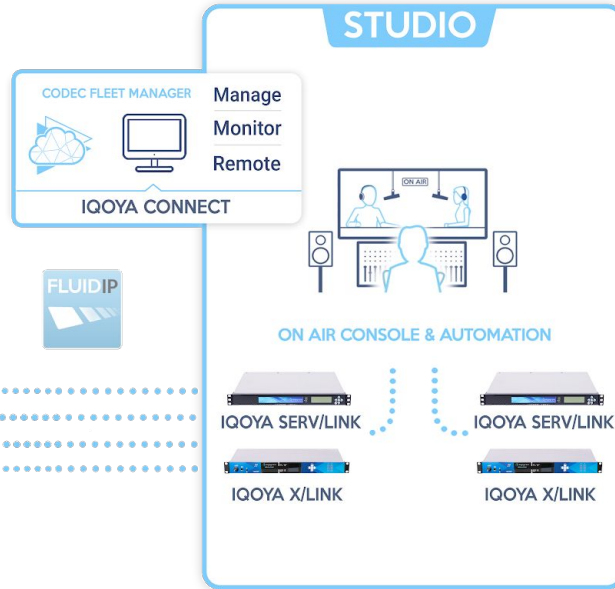
2020

Broadcast Industry: from the news to everyone

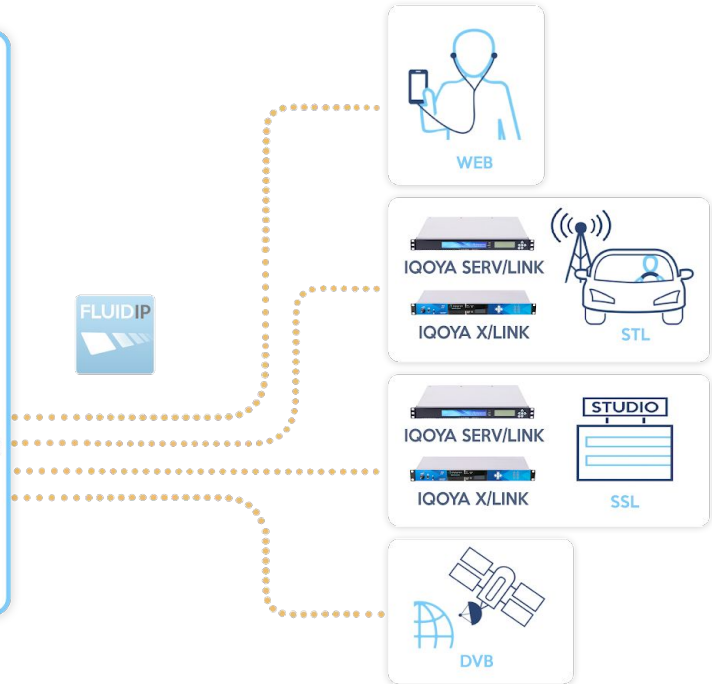
Remote Broadcast



Production



Distribution

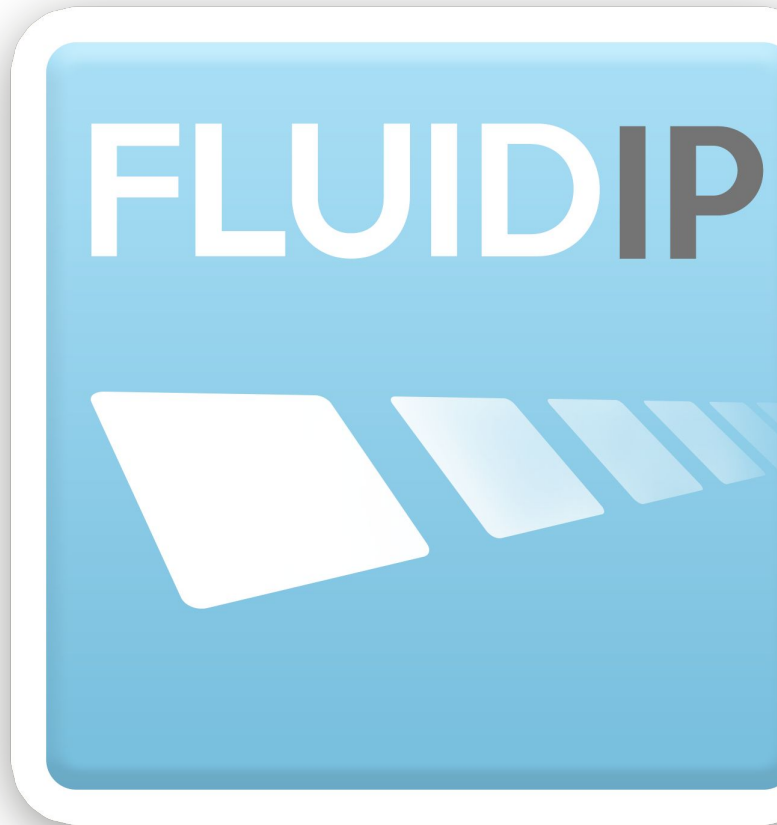


FLUID IP

Much more than Dual Streaming!

All IQOYA codecs include Digigram's smart streaming system called FLUIDIP resulting in seamless IP streaming:

- Optimum audio quality regardless of network performance
- Multiple compression formats and transport protocols to match bandwidth latency requirements
- Combination of several adaptive correction strategies depending on network quality



One iP

AUDIO SOLUTION

One IP audio solution

Our **ambition**:

- To simplify the **day to day operations of broadcasters**
- To **cover** all the remote broadcasting use cases

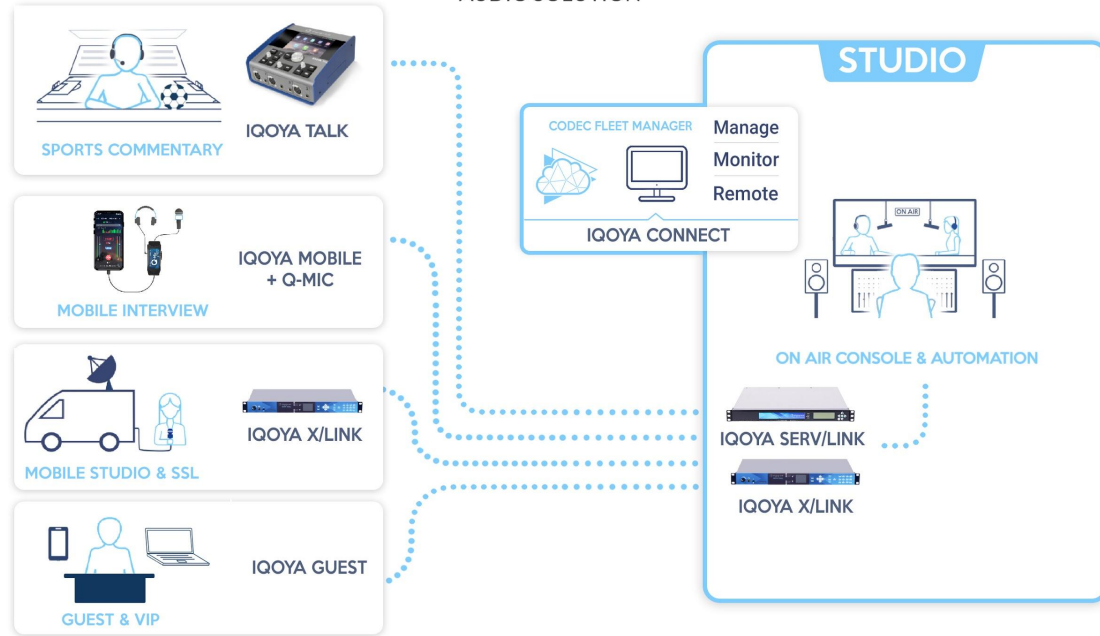
One IP audio solution

Our **solution**:

- Get connected over IP from the field is **as simple as a phone call**
- Connecting to the radio over IP is **successful**
- Connections are **secure, reliable and resilient**

One IP audio solution

One ⁱP
AUDIO SOLUTION



Use cases



Remote studio



The first remote studio on a delivery tricycle

- **IQOYA TALK** powered by batteries
- 4G connection from anywhere
- Digigram's SIP infrastructure - **IQOYA CONNECT**
- In the studio: **IQOYA X/LINK AES67** (Livewire console)



Remote studio



From July 8th to 12th 2019, a tour with the studio tricycle in South of France

- 2h of radio show per day
- 19 interviews
- 216 km

LE TOUR DE LA DRÔME EN VÉLO - RADIO MÉGA (99.2 FM)

- 2 - rendez-vous par jour en direct : de 12h10 à 13h et de 18h à 18h50
- options : se brancher sur 99.2 ou prendre son vélo et nous rejoindre !



Sport commentaries



Tennis French Open semi-final commentaries

- **IQOYA TALK** on 4G connection from Central Court
- Europe1's SIP infrastructure
- In the studio : third party codec (AETA Scoop5)



Talk show



Outside Talk show

- **IQOYA TALK** on LAN connection
- SIP infrastructure - **IQOYA CONNECT**
- In the studio : third party codec (Tieline BridgelT)



IQOYA TALK assets

Large number of built-in connectivities

Interoperability with third party codecs

Record & Playback

Intuitive user interface



Mobile interview

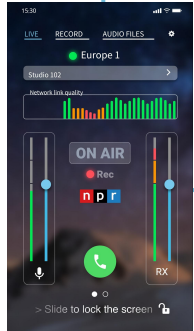


Outside broadcast test in Sydney

- **IQOYA MOBILE** on iPhone smartphone
- **IQOYA Q-MIC** pre-amplifier
- SIP infrastructure - **IQOYA CONNECT**
- In the studio: **IQOYA XLINK-ST**



IQOYA MOBILE / Q-MIC assets



Ultra-mobile
IP audio codec

No battery
design

Record & Playback

Gain levels:
+24 / +7 / -11dBu

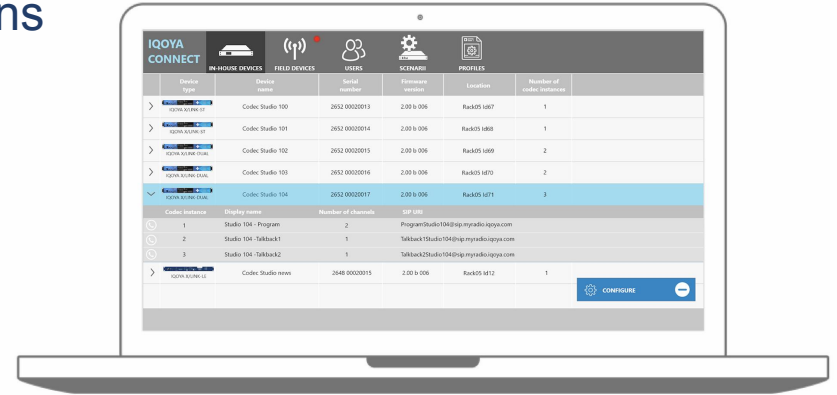


SIP infrastructure and web applications

IQOYA CONNECT

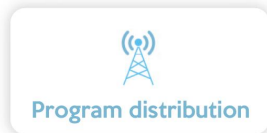
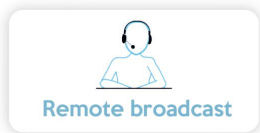
SIP infrastructure enabling successful and secure communications and a suite of **web applications** allowing to achieve:

- Configuration provisioning, call functions
- Live monitoring, event history
- Remote control of codec settings
- Firmware updates



Rackmount IP codecs

IQOYA X/LINK RANGE & SERV/LINK



Remote broadcast and program distribution within the same product



OB Van



Technical coordination for FranceTV

- 2 **IQOYA SERV/LINK 16162** to stream 10 mono analogue audio flux between OBvans
- SIP infrastructure: **IQOYA CONNECT**



Remote Production

PLAZA
MEDIa
GROUP

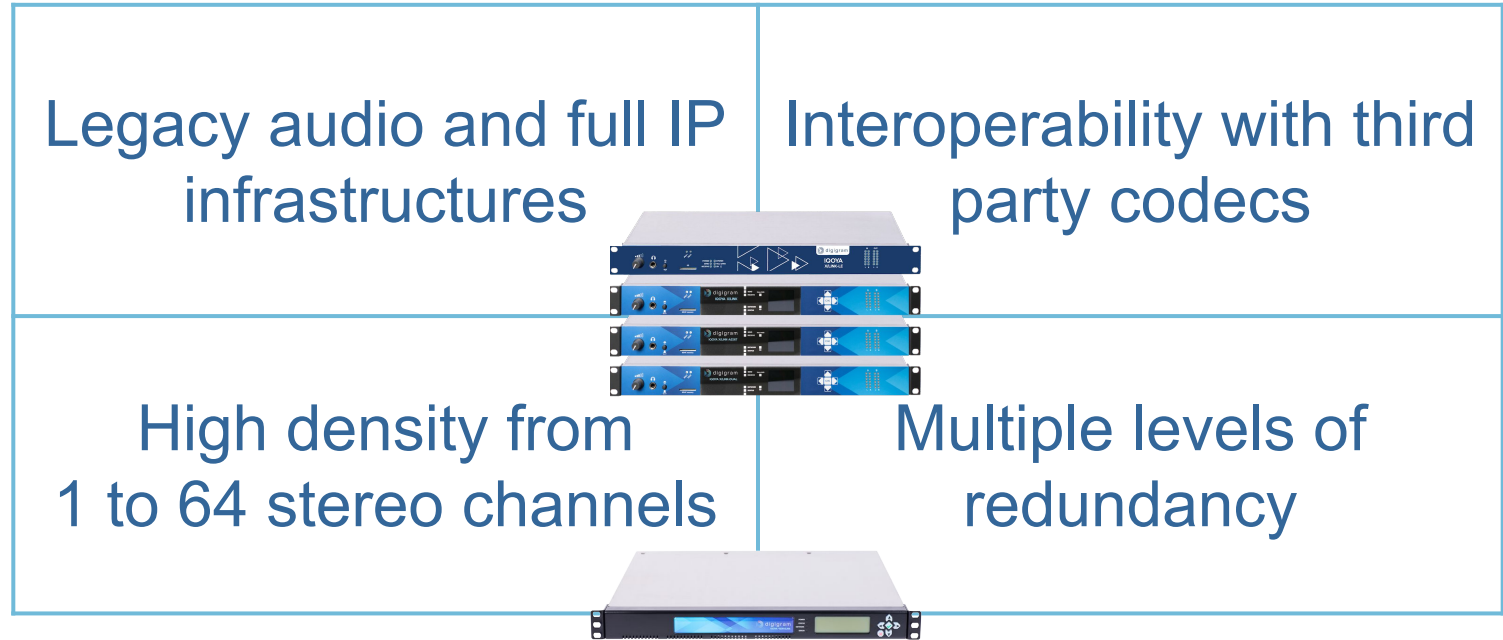


Collects 10 Live commentary and talkback channels between venues and the MCR

- 2 **IQOYA SERV/LINK** MADI 24242 with full redundancy
- **IQOYA CONNECT** for the SIP Infrastructure and monitoring
- Technical support from Digigram:
Hot-line during week-end



IQOYA X/LINK - SERV/LINK assets



Remote Talent/VIP



Talk shows with remote VIP

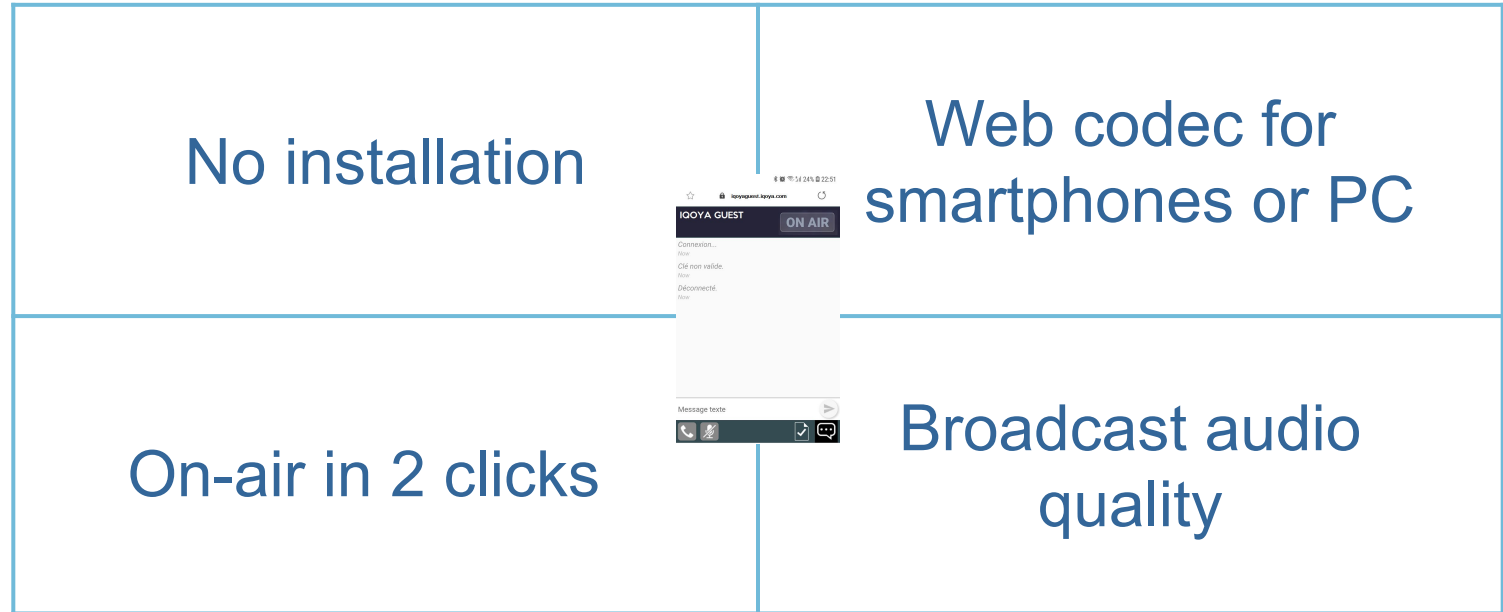
- **IQOYA GUEST** running from a browser
- In the NYC studio: operator web interface connected to the console

"Just added a new piece in DNR Studio A. IQOYA Guest allows us to broadcast from locations outside of the studio while connecting back to the home studio. So live broadcasts, shows hosted from home on snow days or shows hosted by talent in other cities like LA!

The options are endless." --- Romaine Patterson



IQOYA GUEST assets



One IP audio solution

Simple

One simple way to connect to the station
whatever the IP codec used by the journalist
One click to call+One clicks to Broadcast

Secured

A reliable and secure
SIP infrastructure for service continuity
and protection against cyber attacks.



Versatile

One solution that addresses multiple use
cases like sports commentary, street interview,
remote VIP interview, small and large
outside broadcasts,...

Powerful

Low latency
Redundant and adaptive audio
streaming with Fluid IP
High audio quality



Thank you for your attention!

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