NetPlay AV by Video Storm LLC

HD HomeRun Prime

Native TV apps

HDMI Sources

VRX

100 Mbps LAN
Network
Cat 5/6
Coax
Wireless

VTX100

Distributed audio

Centralized audio

Network
Internet

Mobile players

Centralized audio scenario

Equipment rack

HDMI

Analog or digital audio

Standard network (cat5 or coax)

Network audio return channel

Direct wired speakers

Viewing / listening areas

Synchronized audio & video
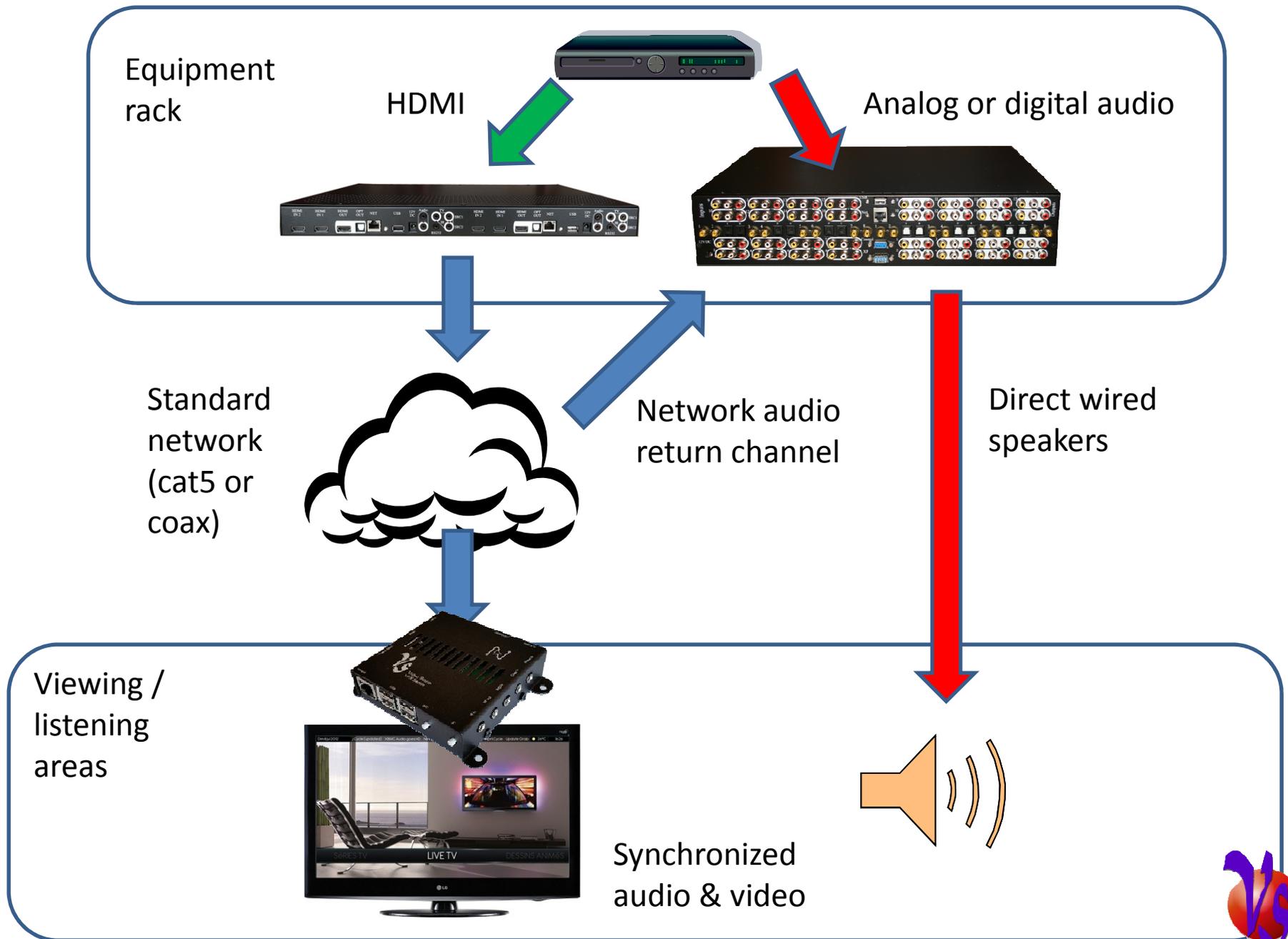
Existing coax scenario (distributed audio)

Live sources

HDMI

Standard
network
(cat5,
coax, or
wireless)

Viewing /
listening
areas
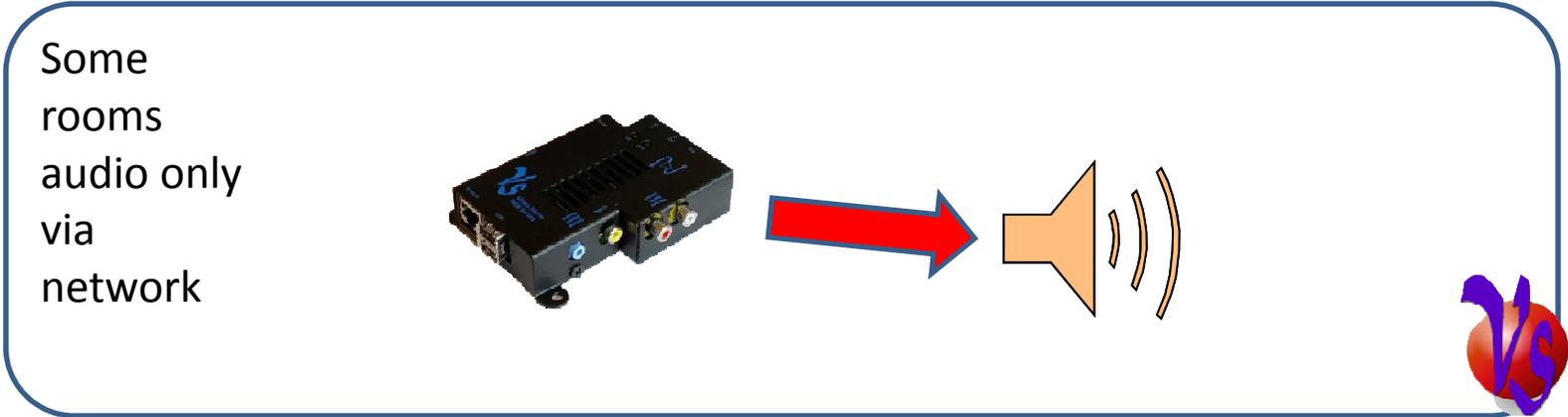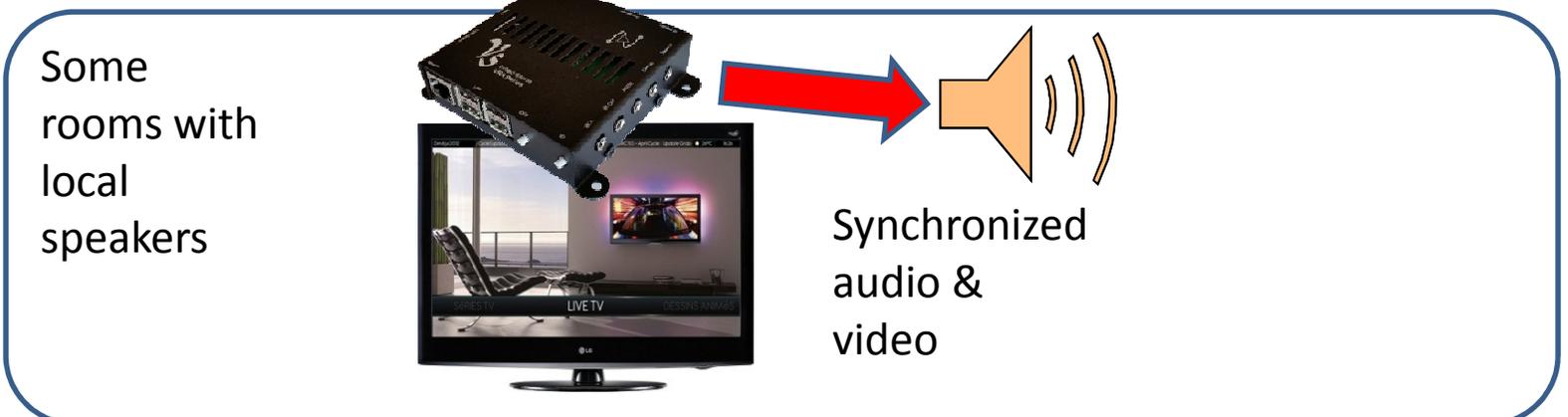
Synchronized
audio & video
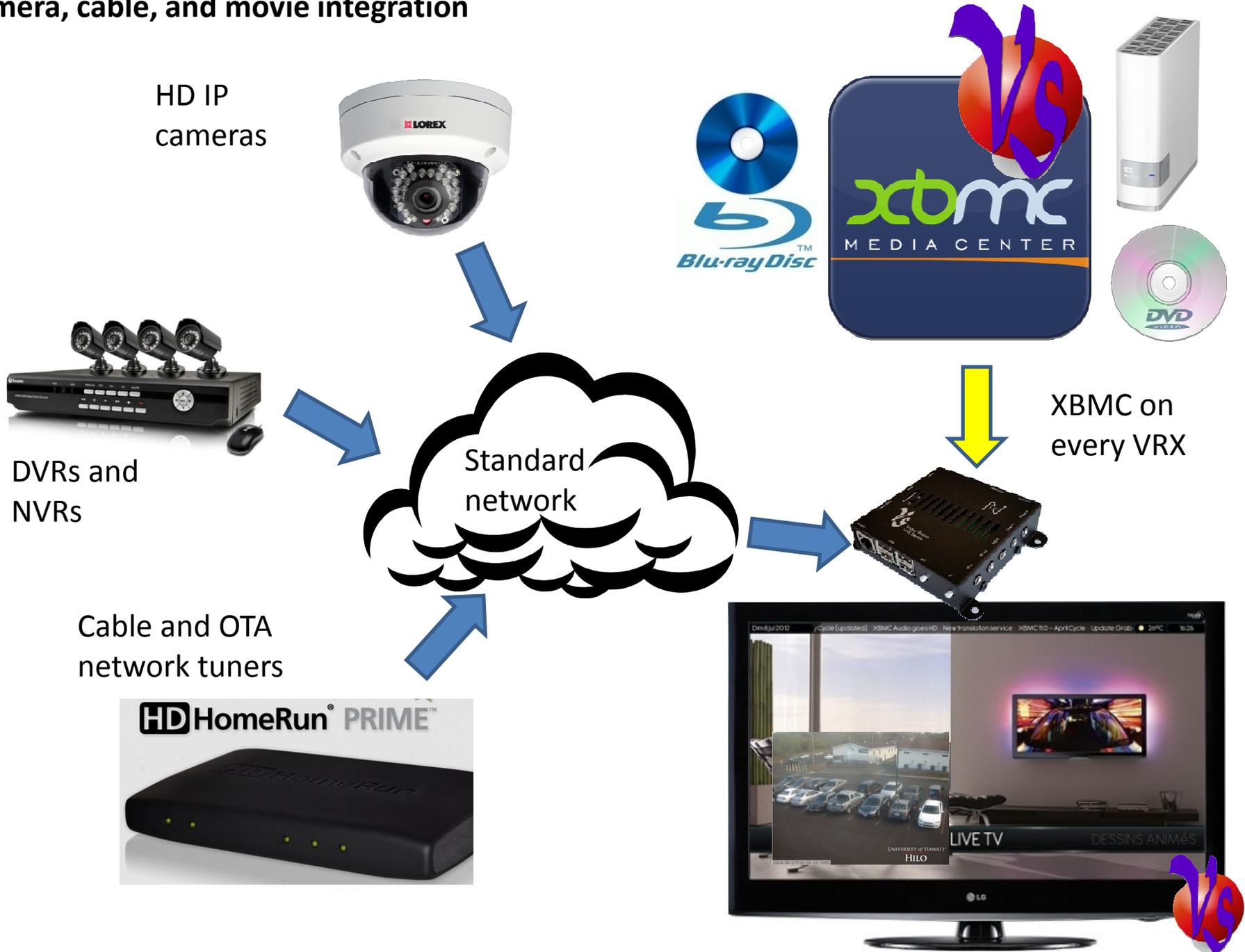
TV speakers
Sound bar
AVR
Locally amplified speakers

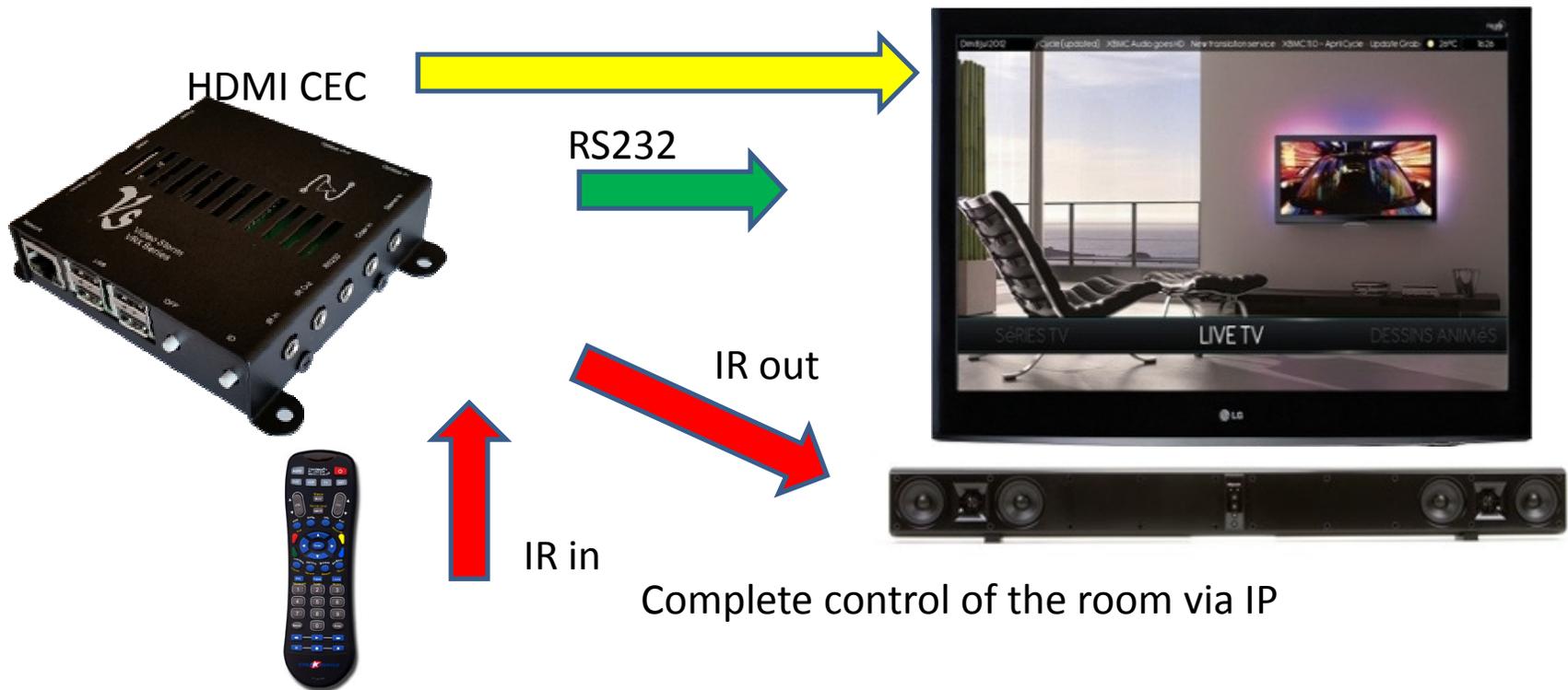**Flexible installation**

Some rooms with direct wired speakers

Synchronized audio & video

Some rooms with local speakers

Synchronized audio & video

Some rooms audio only via network

Camera, cable, and movie integration

HD IP cameras

DVRs and NVRs

Cable and OTA network tuners

Standard network

XBMC on every VRX

IR, RS232, and CEC extenders via IP

HDMI CEC

RS232

IR out

IR in

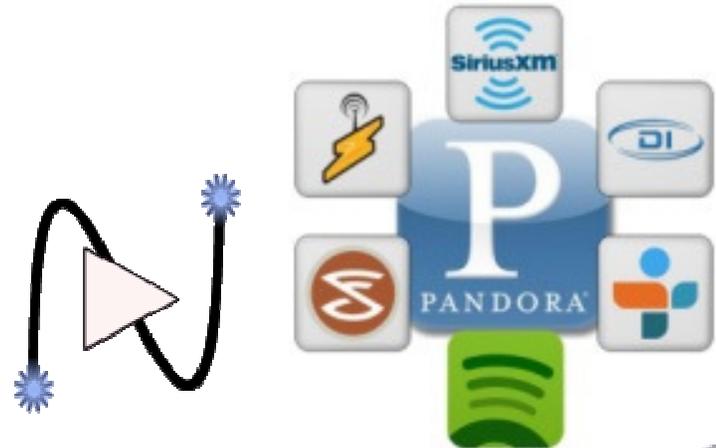Complete control of the room via IP

Complete control of your sources via IP

IR, rs232 out

IR, rs232 out

NetPlay Audio integration

CMX-A2-NAB has 8 stream NetPlay audio integration for all your centrally wired speakers

Each VRX has single stream NetPlay Audio integration for *audio & video rooms* with local speakers
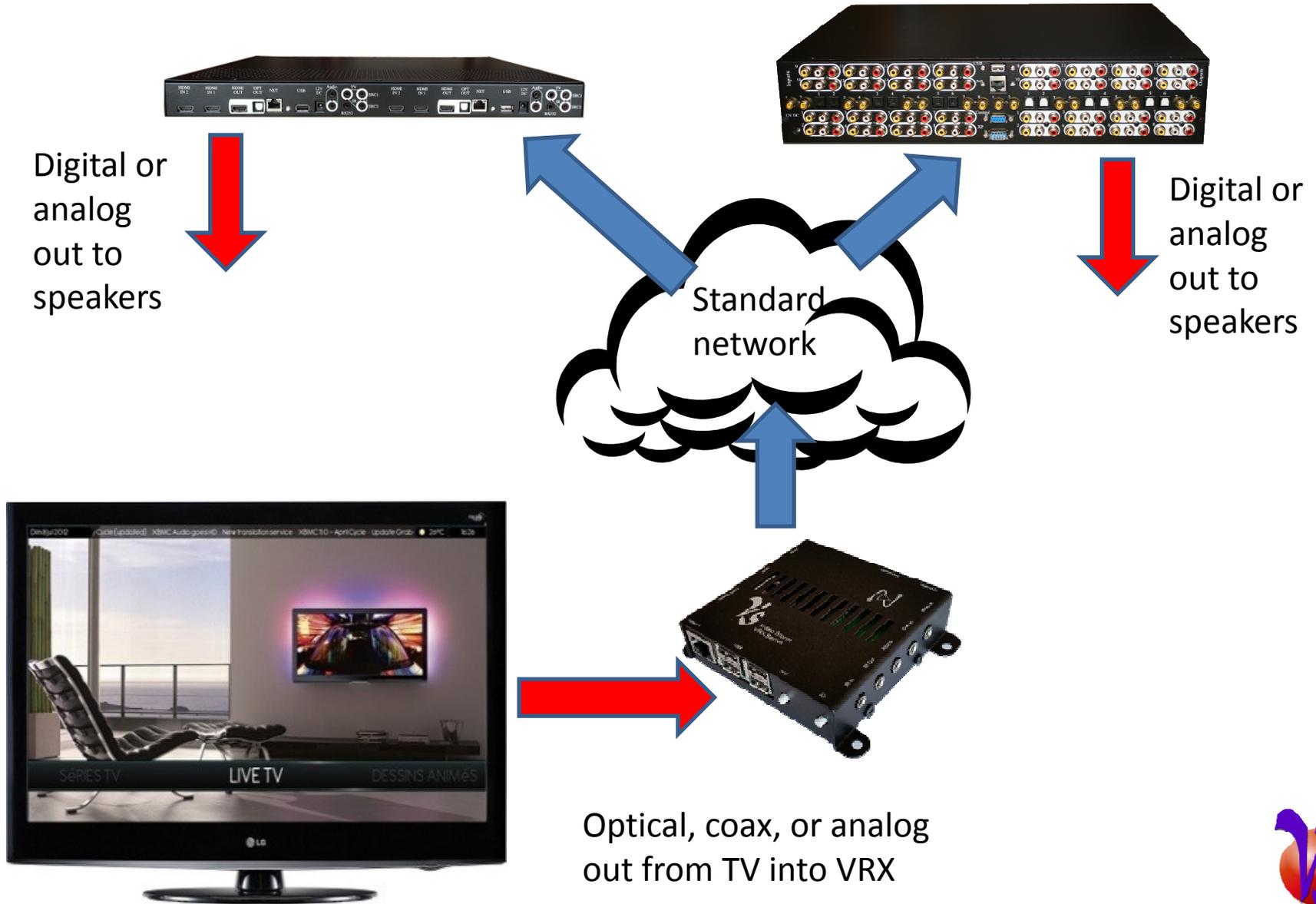
NBX has single or dual stream NetPlay Audio integration for *audio only rooms* with local speakers

NetPlay_Dining ✓
NetPlay_Guest
NetPlay_Kitchen
NetPlay_Living
NetPlay_Master
NetPlay_Patio
NetPlay_Rec
NetPlay_Whole_H…

Audio return channel

Low latency audio return channel via network to VTX or CMX-A2-NAB

Digital or analog out to speakers

Standard network

Digital or analog out to speakers

Optical, coax, or analog out from TV into VRX

Digital audio transport

Opt/coax/
analog in

Low latency forward
channel Audio support

Any digital or analog
source

Standard
network

NetPlay_Dining ✓
NetPlay_Guest
NetPlay_Kitchen
NetPlay_Living
NetPlay_Master
NetPlay_Patio
NetPlay_Rec
NetPlay_Whole_H...

Mobile devices

Remote speakers

Mobile devices

Standard
network
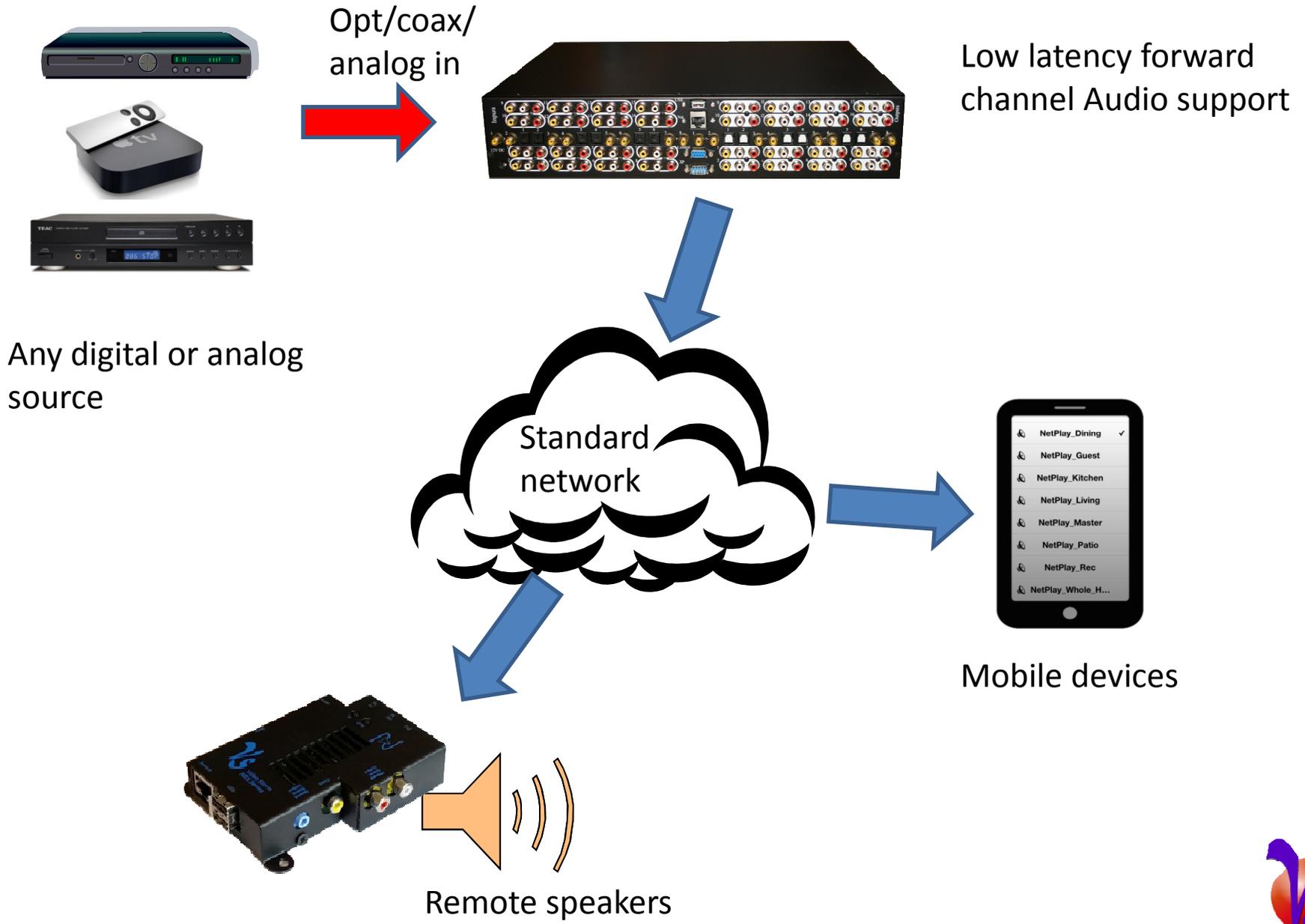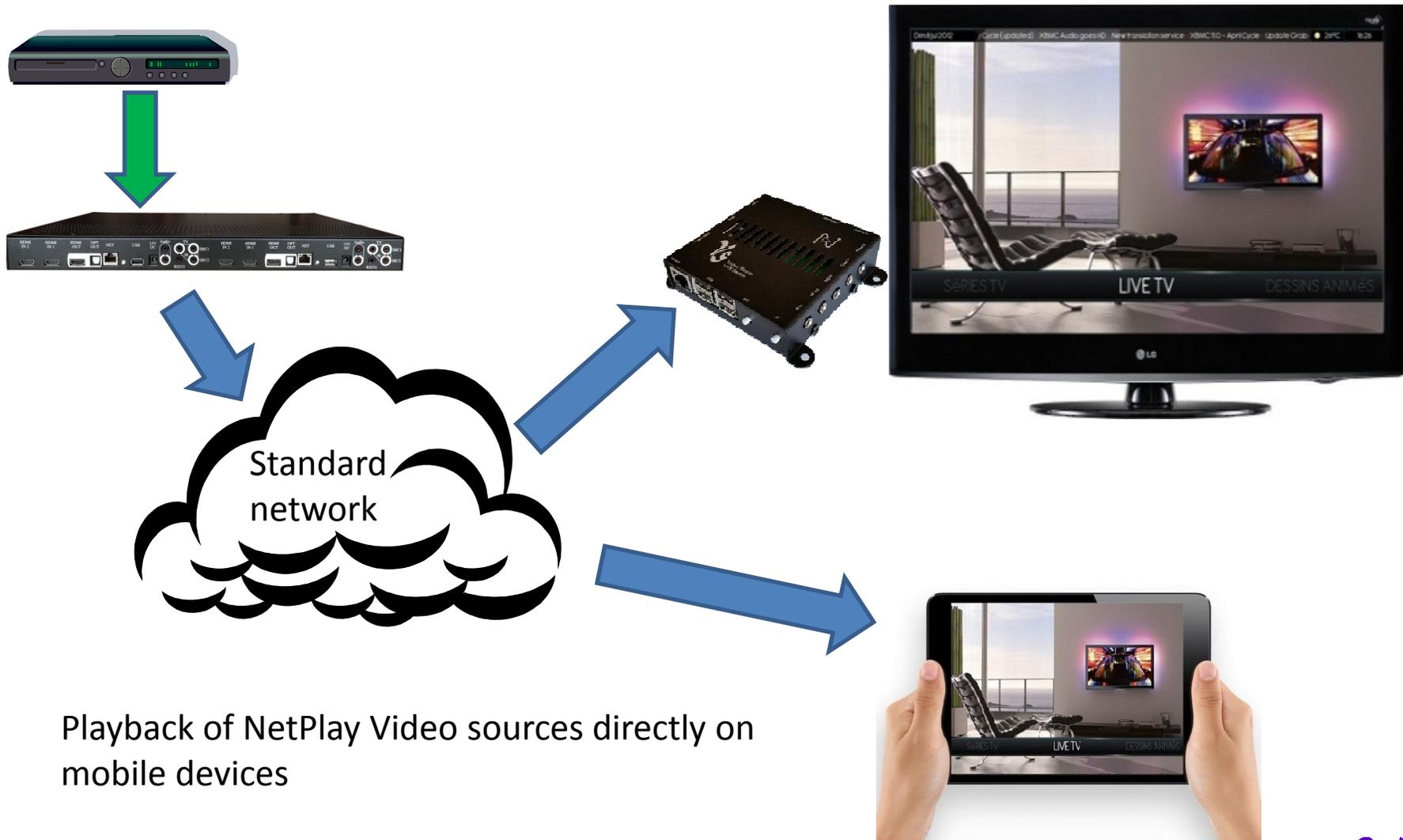
Playback of NetPlay Video sources directly on
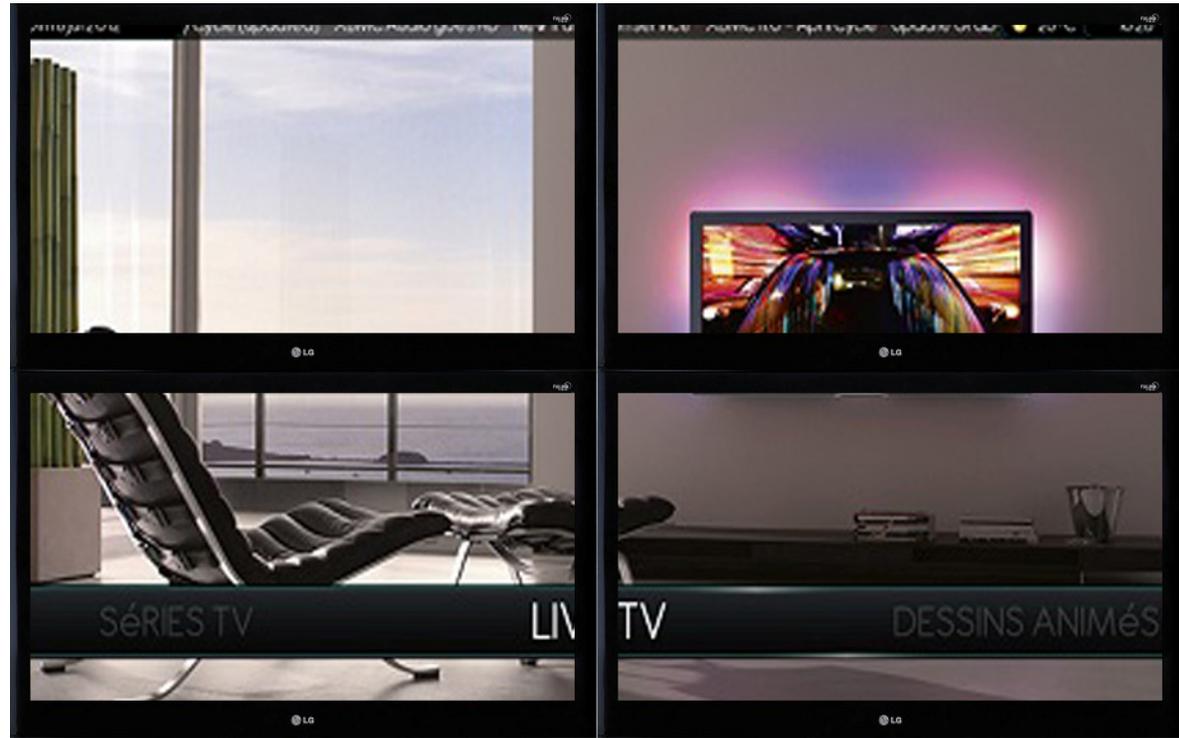mobile devices

Programmable OSD

Trigger live video or text OSD via programming
(or both)

Video walls and multi display

Supports any video wall configuration (2x2 shown)

Multi display can show up to 9 live streams on a single screen (screen layout configurable)

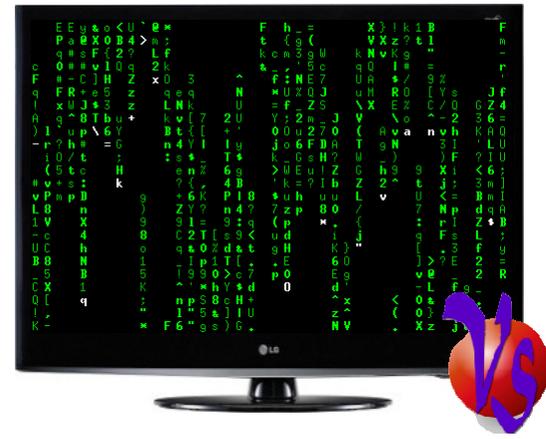**GUI modes**   NetPlay Video has four background GUI applications to choose from

XBMC Media Center

Digital signage application

Scripted display application

cMatrix screen saver

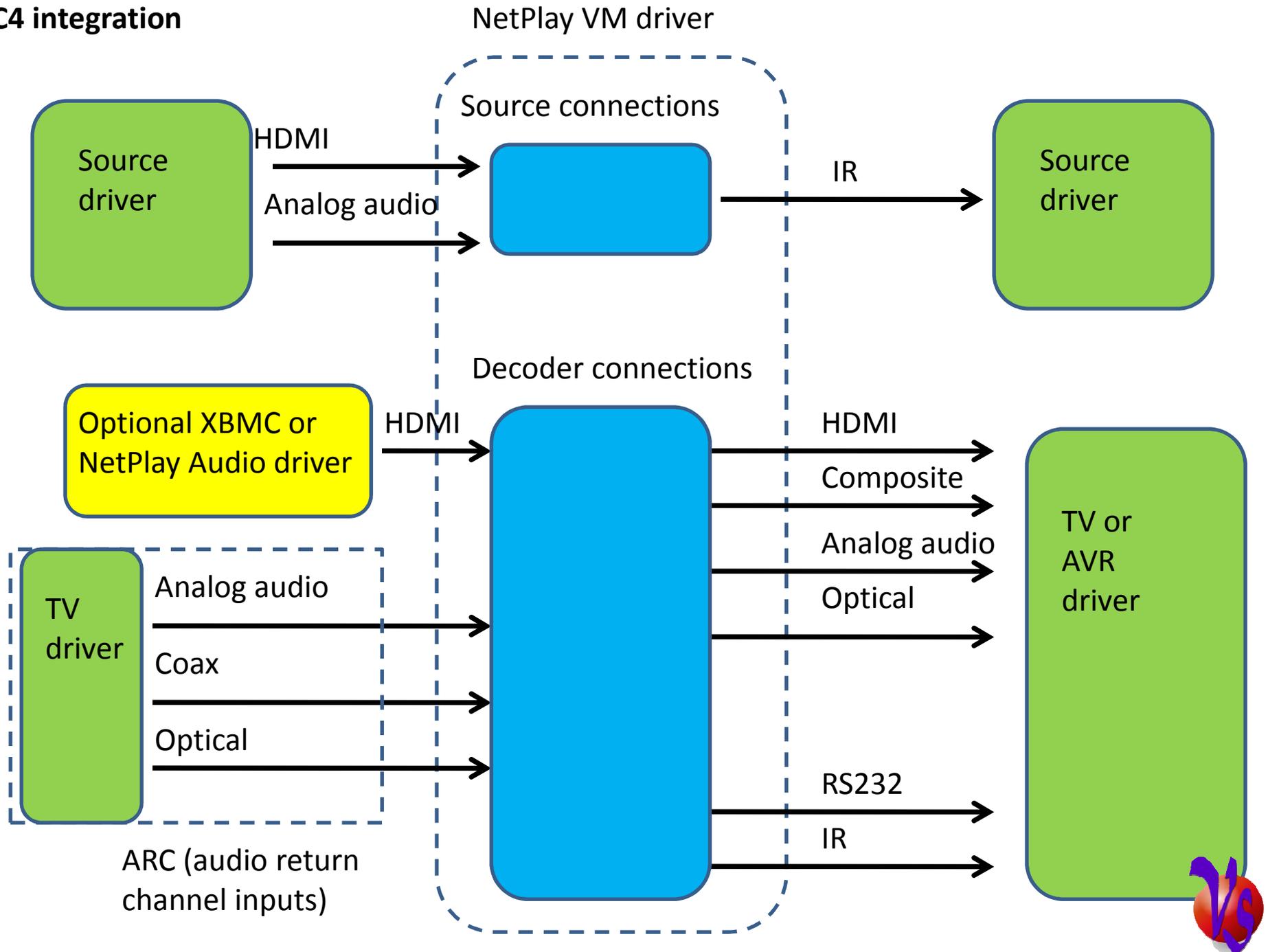**Virtual Matrix explained**

Netplay Virtual Matrix driver

Sources

VM driver can have any number of sources and decoders
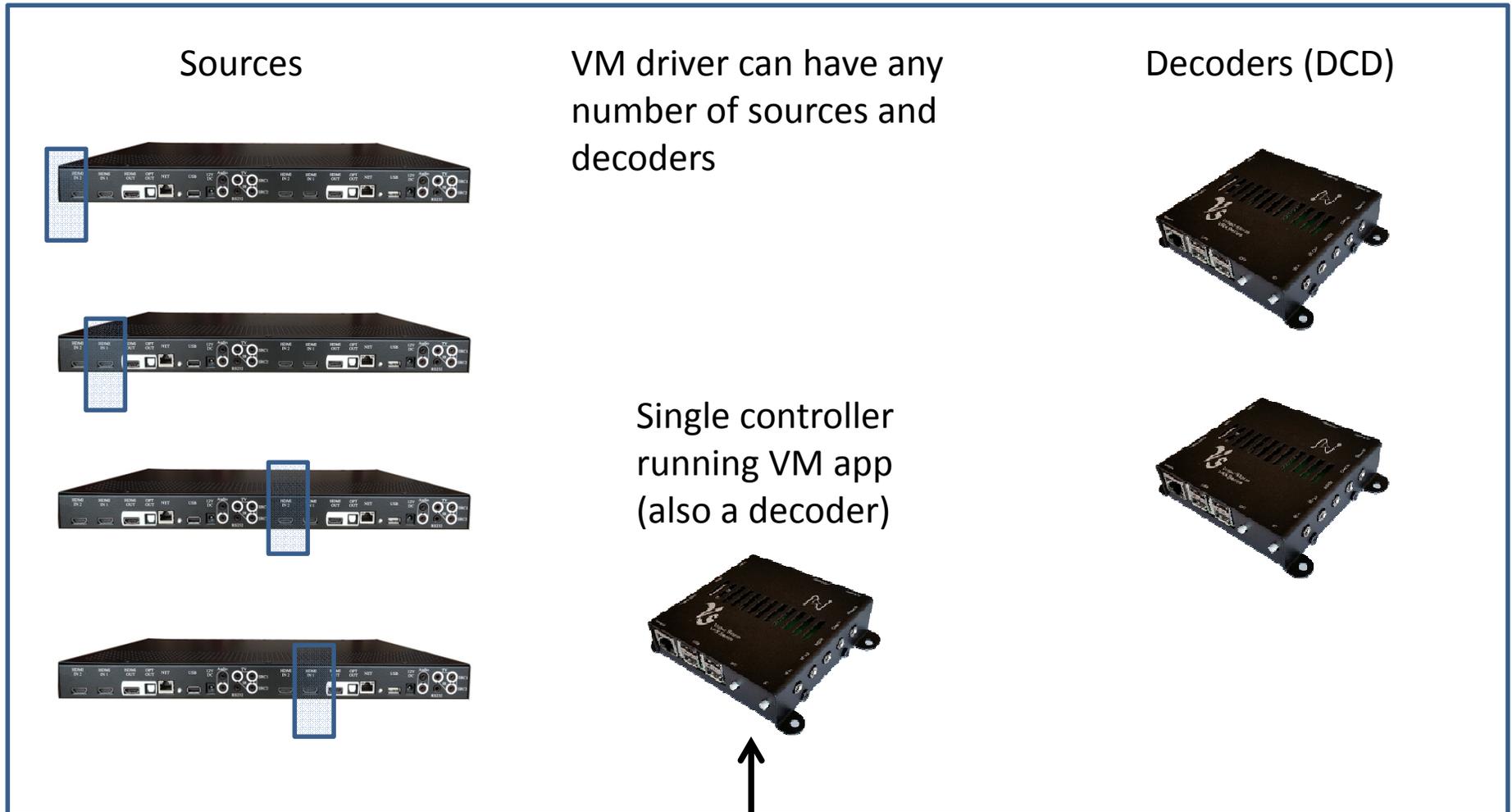
Decoders (DCD)

Single controller running VM app (also a decoder)

Single Ethernet UUID binding to control entire system

C4 integration

NetPlay VM driver

Source driver —HDMI→ Source connections —IR→ Source driver

—Analog audio→

Optional XBMC or NetPlay Audio driver —HDMI→ Decoder connections

—HDMI→ TV or AVR driver

—Composite→

—Analog audio→

—Optical→

TV driver —Analog audio→

—Coax→

—Optical→

ARC (audio return channel inputs)

—RS232→

—IR→

Future Proof

NetPlay Video uses multi-resolution video and multi-format audio streaming

- NetPlay always delivers the best video and audio formats to every display
- 4K sources can send 4K to new tvs while sending 1080p to older tvs
- You never have to replace the ENTIRE SYSTEM to support new sources or tvs
- NetPlay is the only technology flexible enough to really be future proof

4K Source

4K

1080p

480p

Any resolution TV

Scales to final TV resolution if needed

Selects best match to TV