



Visiosense

VsBox Solution

Introduction

Architectures

Specifications

SVS Control

Plugins & extensions

Multiplexe Server

Introduction

Software editor since 2005

Several thousand points installed all over France and abroad

References : <http://visiosense.fr/index.php?refr>

Services :



ADVICES



FORMATION



HOTLINE



ASSISTANCE



PROJECT
SUPERVISION



GUARANTEE AND
PERENNITE SOLUTIONS




100%
French conception

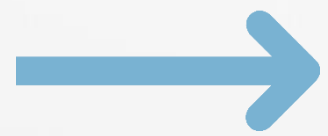
VsBox range for all environnement



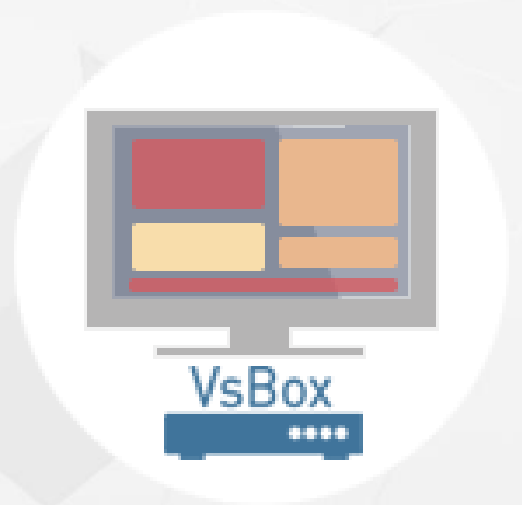


Architectures

 Point to Point

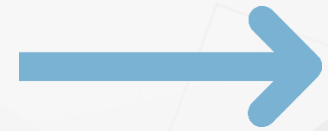


routeur



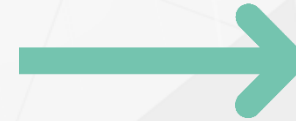


Point to Group

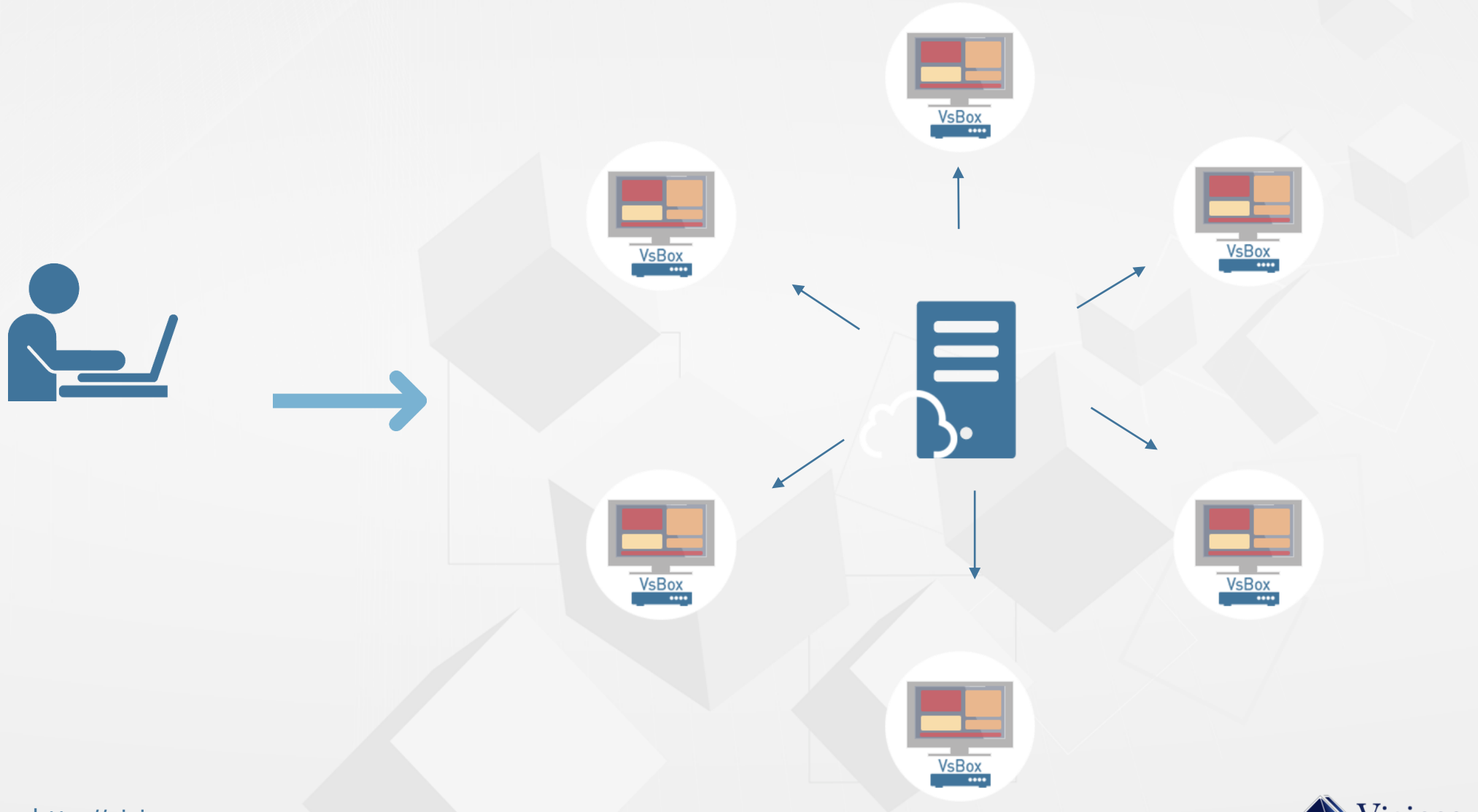


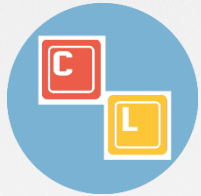


Point to Multipoint

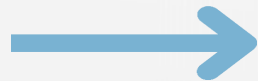


« MULTIPLEX » Server

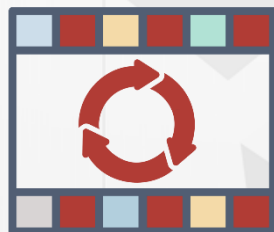




Two level of communication Central and Local spaces



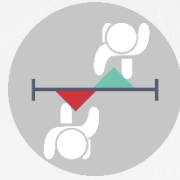
« Red thread » space



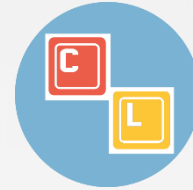
Multiplicity of applications



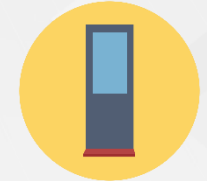
Registration forms



Counting people



2 Spaces



Totem



Booking room



Screen sharing



Flux vidéo temps réel



Digital signage



Waiting line



Easy-push Synchro



Video wall



Audio distribution



Interactivity



Plugins



Specifications

Dispatch information according to the point of diffusion

Indépendant streams (Sound and picture)

Flow belonging to a Group
(divided into display zones either by places or by Com themes)

Common flows to the whole Park

Control players

Direct Control via Svs or direct web, via Intranet network or Internet

Synchronized control on a central Multiplex sever

Interactive control via a smartphone or a tablette

Direct Control on player via a touchscreen

Direct Control on player using a simple USB key a simple USB key

Direct Control on player using a wireless mouse keyboard (local HMI)

Properties

The quality and resolution is perfectly adapted to the screen
(Display Port, Hdmi, Dvi, VGA, Composite)

No extender box and receiver box

Only one network connection is sufficient (direct or via proxy)

No bandwidth used outside transfers(push)

SVS : Control center



At any time locally or remotely keep control of your communication.

In just a few clicks, you will skilfully combine: movies, animations, sounds, photos, TVs, live cameras, internet feeds, texts, widgets and promotional banners.



Media : Examples



Players : plug & play



Intuitive, Polyvalent, Ergonomic



Manages the media in "native":



2 Diffusion spaces + "red thread"



Interactivity



Extensions - Plugins

Players : Characteristics

Landscape, totem , video wall



Security & Robustness of the Linux system



Comes with VESA support



Low power consumption, Modèles SSD, Fanless



4k UHD HD

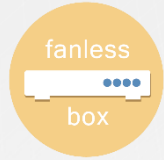
Hdmi DP Vga Audio jack



Players : Evolutions and ressources



- Many extensions (plugins)
- Fonctional security updates
- Codecs, new formats
- Available online
- No network occupation
- No subscription
- No Licence



Players : Hardware + fanless - SSD examples



DPL
Duplication



EVO
Evolution



Standard
THIN HD



4 k
UHD



Industrial Rack
HD/UHD



Hardened
HD



OPS
HD/UHD

Players : VsBox-Thin HD & UHD/4K



Support all media in native mode

PowerPoints, Flash, Pdf, Vob, Mpeg, Avi, Mov, Wmv, Jpeg, etc..

Internet content Url, flux, Rss, web radio, widgets..

Security & Robustness of the Linux system, frames IP encrypted

HDMI outputs, VGA, DISPLAY PORT, USB for screen control

Power consumption 15 watts and total absence of noise

Flat and compact housing : 160 × 175 × 23mm

Mode:Portrait, Landscape, Totem, Video wall, LED screen

Compatible with all types of screens :
SAMSUNG, NEC, PHILIPS etc...

Players : VsBox-OPS



The OPS plugin module offers unparalleled convenience in display.

This slim, lightweight module is integrated with large-format displays and no external connection cable is required. The weight and thickness of the unit remain as small as possible.



Control Media center

and

New tab « TEMPLATES »

3 operating methods

1 SVS

Full version of the SVS software
(operation, administration, configuration)



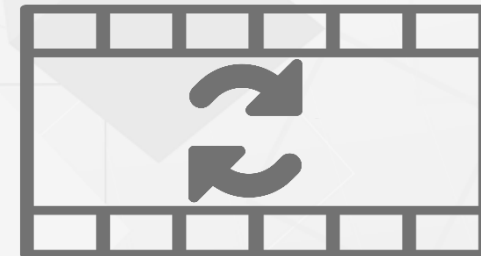
2 SVS

Light version of the browser software



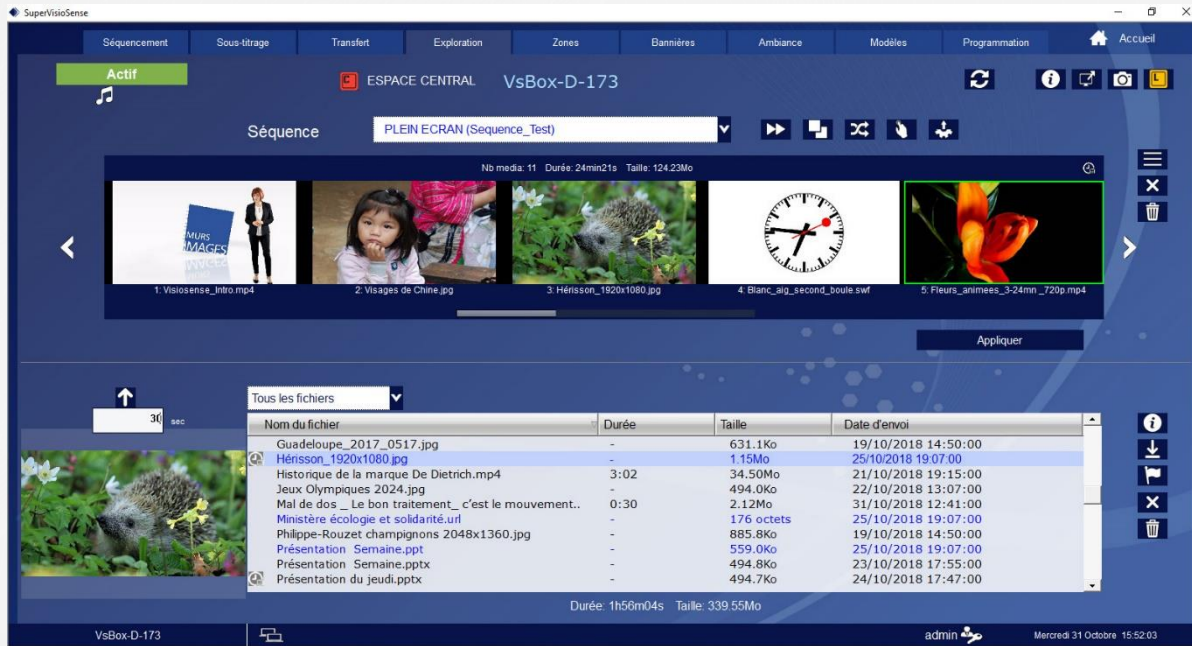
3 Easy push

Direct posting from windows or android



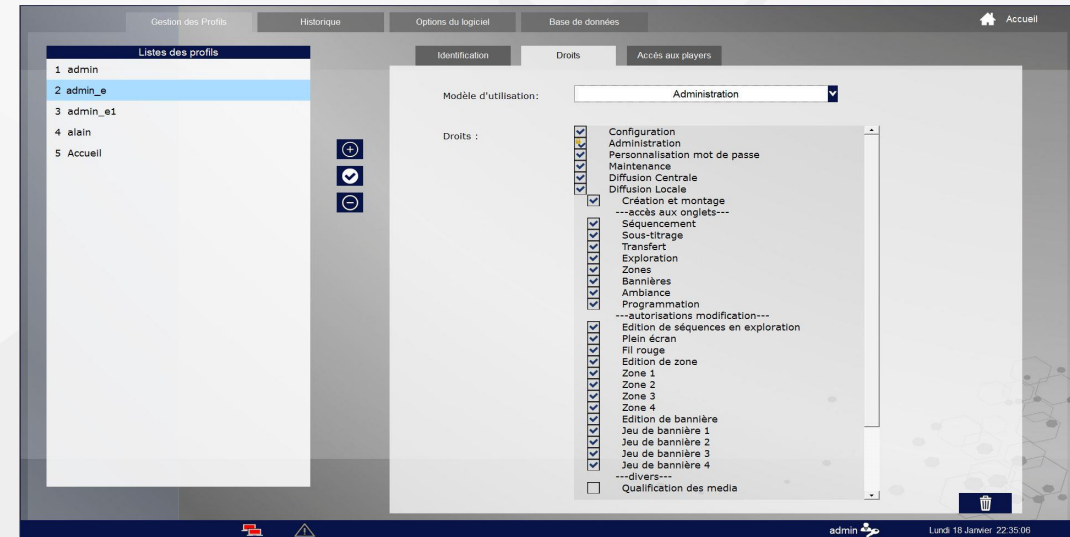
1 SVS

1st operating method



Media exploration and transfer

- The realization of your diffusion scenarios
- User Administration
- Maintenance
- Player Configurations
- Management of additional modules (plugins)



User profiles administration

Several hundreds of effects and transitions, sound dubbing, fade, zoom, rotation etc ...

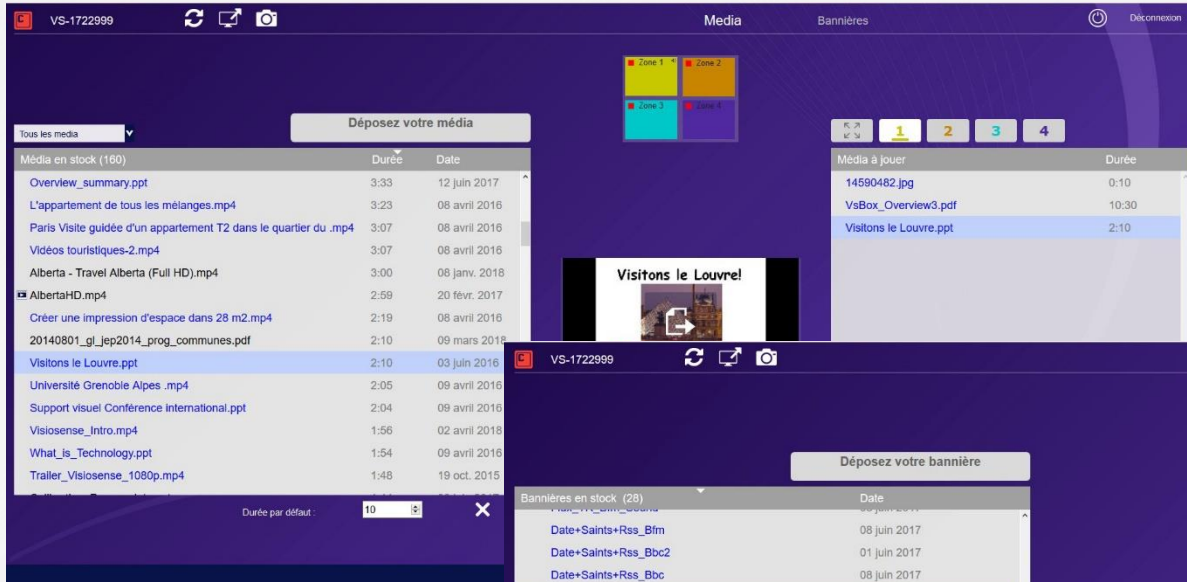


2nd operating method

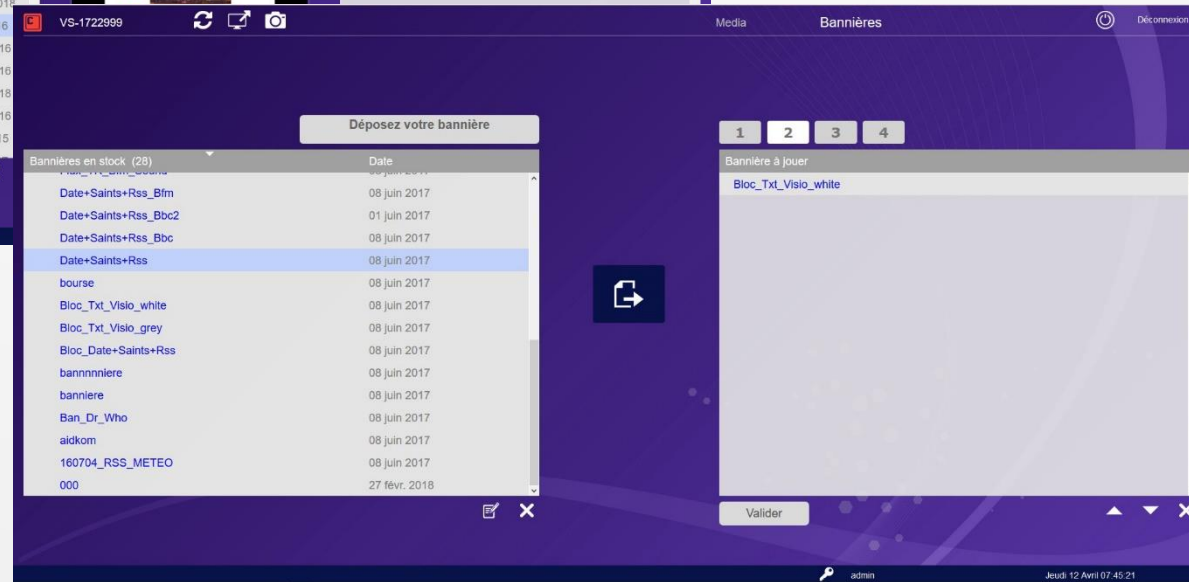


Web customer

Svs on Firefox, Edge, Chrome browser on tablets, mobiles etc..



Media exploration and transfer



Banners exploration and transfer

3



EasyPush

3rd operating method

With the Easypush module it is no longer necessary to train actors to use the SVS operating software.

The Communication team only loads media content. The Easy Push module synchronizes automatically the publication on the screens.



SVS : Sequences video montage

Editing sequences



The screenshot shows the SuperVisioSense application window. At the top, there are navigation tabs: Séquencement, Sous-titrage, Transfert, Exploration, Zones, Bannières, Ambiance, Modèles, Programmation, and Accueil. The 'Exploration' tab is active, showing a file explorer on the left with a tree structure under 'Mediatheque Svs'. The main area displays a video player with a hedgehog in a field of flowers. Below the player is a progress bar and a 'Durée (en s):' field. To the right, a 'Propriétés du fichier:' panel shows 'Hérisson_1920x1080.jpg' and 'Durée: Inconnue (1.15Mo, 0kb/s)'. A 'Envoi direct' button is visible. At the bottom, a timeline shows a sequence of media items: 1: Visiosense_Intro.mp4, 2: Visages de Chine.jpg, 3: Hérisson_1920x1080.jpg, 4: Blanc_aig_second_boule.swf, 5: Fleurs_animees_3-24mn_720p.mp4, and 6: Solution_Vsbox_Presentation.pdf. The status bar at the bottom right shows 'admin' and 'Vendredi 26 Octobre 08:35:16'.



SuperVisioSense

Séquencement | Sous-titrage | Transfert | Exploration | Zones | Bannières | Ambiance | Modèles | Programmation | Accueil

Actif

ESPACE CENTRAL VsBox-D-173

Séquence: PLEIN ECRAN (Sequence_Test)

Nb media: 11 Durée: 24min21s Taille: 124.23Mo

1: Visiosense_Intro.mp4 | 2: Visages de Chine.jpg | 3: Hérisson_1920x1080.jpg | 4: Blanc_aig_second_boule.swf | 5: Fleurs_animees_3-24mn_720p.mp4

Appliquer

30 sec

Tous les fichiers

Nom du fichier	Durée	Taille	Date d'envoi
Guadeloupe_2017_0517.jpg	-	631.1Ko	19/10/2018 14:50:00
Hérisson_1920x1080.jpg	-	1.15Mo	25/10/2018 19:07:00
Historique de la marque De Dietrich.mp4	3:02	34.50Mo	21/10/2018 19:15:00
Jeux Olympiques 2024.jpg	-	494.0Ko	22/10/2018 13:07:00
Mal de dos _ Le bon traitement_ c'est le mouvement..	0:30	2.12Mo	31/10/2018 12:41:00
Ministère écologie et solidarité.url	-	176 octets	25/10/2018 19:07:00
Philippe-Rouzet champignons 2048x1360.jpg	-	885.8Ko	19/10/2018 14:50:00
Présentation Semaine.ppt	-	559.0Ko	25/10/2018 19:07:00
Présentation Semaine.pptx	-	494.8Ko	23/10/2018 17:55:00
Présentation du jeudi.pptx	-	494.7Ko	24/10/2018 17:47:00

Durée: 1h56m04s Taille: 339.55Mo

VsBox-D-173 admin Mercredi 31 Octobre 15:52:03

SVS : Cutting the screen

Zones edition



The screenshot displays the SuperVisioSense software interface. At the top, there is a navigation menu with tabs: Séquencement, Sous-titrage, Transfert, Exploration, Zones, Bannières, Ambiance, Modèles, Programmation, and Accueil. Below the menu is a toolbar with icons for adding, deleting, and saving. The main workspace is titled "3_zones1et2_moyennes_et_3_grande" and shows a grid with three colored zones: Zone 1 (yellow), Zone 2 (orange), and Zone 3 (cyan). Zone 4 is not visible. To the right, a configuration panel lists the zones with their settings:

Zone	Configuration
Zone 1	Espace central (active)
Zone 2	Espace central (active)
Zone 3	Espace central (active)
Zone 4	Désactivée

Below the configuration panel, there is a "Ratio de la zone 1" field set to "1,777". At the bottom of the main workspace, there are buttons for "Envoyer" and "Envoi Multiple". Below the main workspace, there is a taskbar with a window titled "ESPACE CENTRAL VsBox-D-173-Show3". To the left, there is a "Zones_accueil 2" window showing a preview of the zones. To the right, there is a "Zones_accueil 2" window showing a preview of the zones. At the bottom left, there is a taskbar with a window titled "VsBox-D-173-Show3". At the bottom right, there is a status bar with the date and time: "Vendredi 26 Octobre 12:04:18".

SVS : Creating Banners

Banners edition

The screenshot shows the SuperVisioSense application window with the 'Bannières' (Banners) tab selected. The main workspace is titled 'Bannière_accueil_Visiosense'. On the left, there is a text editor containing the text: 'Date Saint Saints du jour' followed by a paragraph: 'Un environnement intuitif et attractif donnera libre cours à votre créativité par la mise en place d'un contenu varié et toujours actualisé.' Below the text editor is a font settings toolbar with 'Police: Arial' and size '65'. On the right, there is a preview window labeled 'Edition' showing a black banner. Below the preview are several configuration options: 'Animation: Verticale', 'Vitesse: faible', 'Répéter: 1', 'Arrière plan: Image', 'Image intégrée', 'Cadre: Sans', and 'Effets spéciaux: Sans'. At the bottom of the main workspace are 'Envoyer' and 'Envoi Multiple' buttons. Below the main workspace is a 'WIDGETS' panel with a gear icon and a list of widgets: 'Ban3_horloge', 'Bannière_accueil_Visiosense', and 'Bloc_Txt_Meteo_white'. The 'Bannière_accueil_Visiosense' widget is selected. To the right of the widget list is a preview window titled 'A Jouer' showing the selected banner. At the bottom of the widget panel are 'Ajouter' and 'Valider' buttons. The status bar at the bottom of the application shows 'VsBox-D-173-Show3' and the date 'Vendredi 26 Octobre 12:07:46'.



Configuration des Widgets

En stock

- Horloge
- Météo

Ajouter

Widgets à afficher

▲ ▼ ✕ □

Paramètres du widget:

Couleur: Prévisions :

Ville 1:

Ville 2:

Ville 3:

Cycle villes:

Journal Vidéo: Cycle vidéo:

Région:

OK





The screenshot shows the SuperVisioSense application window with the following components:

- Navigation Bar:** Séquencement, Sous-titrage, Transfert, Exploration, Zones, Bannières, **Ambiance**, Modèles, Programmation, Accueil.
- Exploration locale:** A file tree showing a folder structure: Media > Audio > Mixer > Mp3 > Classics > MP3_64Kbs. Files listed include "03_-_Quatre_murs_et_un_toit.rbs.mp3", "Ambiance.mp3", "Benabar - Le Diner.mp3", "Cali - Je m'en vais.mp3", "Fatal bazooka - Fous ta cagoule.mp3", "Georges Brassens - Fernande.mp3", "Georges Brassens - Les amoureux des bancs publics.mp3", and "Jean Louis Dubert - Parle Moi mp3 rbs.mp3". An "Envoyer" button is below the list.
- Ambiance.mp3 Player:** A media player showing a waveform for "Ambiance.mp3" with a duration of 03:05 (2.82Mo, 125kb/s). It includes standard playback controls.
- ESPACE CENTRAL:** A central area with a "VsBox-D-173-Show3" label.
- Pistes audio en stock: 6:** A list of audio sources: "Ambiance.mp3", "WebRadio-Bbc.url", "WebRadio-Europe1.url", "WebRadio-Nova.url", "WebRadio-Njr.url", and "WebRadio-Rtl.url". An "Ajouter" button is to the right.
- Liste de jeu:** A list containing "Ambiance.mp3". It has navigation arrows and a trash icon on the right.
- Settings:** "Ambiance active:" (Oui/Non) and "Lecture aléatoire:" (Oui/Non) with a "Valider" button.
- Footer:** "VsBox-D-173-Show3" on the left and "Vendredi 26 Octobre 12:19:27" on the right.



SuperVisioSense

Séquençement Sous-titrage Transfert Exploration Zones Bannières Ambiance Modèles Programmation Accueil

Exploration locale:

- 03-Bannières
- 04-Modèles
 - 00-Paysage
 - 00- Accueil
 - 01- Education
 - 02- Atelier-Industrie
 - 03- Restauration
 - Template_restauracion.visio**
 - 04- Classique
 - 05- File d'attente
 - 06- Funérarium
 - 07- Jeux Olympiques 2024
 - 08- Fleuriste
 - 09- Hub des Alpes

↓ Envoyer

Template_restauracion.visio

Ce modele comporte :

- 1 zone menu
- 1 zone restaurant
- 1 zone promotions
- 1 arrière plan (+ arrières plans alternatifs)
- 1 bannière bienvenue
- 1 bannière horloge

🔄 ⓘ ↗ 📷

ESPACE CENTRAL VsBox-D-173-Show3

Modèles en stock: 22

- Template Fleuriste.visio**
- Template HUB visio
- Template Hub visio
- Template Visiosense Test.visio
- Template Visiosense test.visio
- Template accueil Visiosense.visio
- Template funérarium.visio
- Template Jeux Olympiques 2024.visio
- Template éducation 2.visio
- Template accueil.visio
- Template accueil 1080x1920.visio
- Template classique 1920x1080.visio
- Template education.visio
- Template industrie.visio

CREER

↓
✕
✎

Template Fleuriste.visio

Ce modèle comporte :

- Zone 1,2 et 3 G petites
- Zone 4 D grande
- Bannière 1 haute texte
- Bannière 2 basse date et saint du jour

➡ Activer

VsBox-D-173-Show3 Vendredi 26 Octobre 12:24:27



The screenshot shows the SuperVisioSense software interface. At the top, there is a navigation bar with tabs: Séquencement, Sous-titrage, Transfert, Exploration, Zones, Bannières, Ambiance, Modèles, Programmation, and Accueil. The main area is titled "ESPACE CENTRAL VsBox-D-173" and shows a "CALENDRIER DE DIFFUSION" for "Lundi 29 Octobre 2018". A calendar on the left shows the month of October 2018, with the 29th selected. The main list of events includes:

- 08:00 Seq_Hub_Semaine
- 08:00 Démarrage des widgets
- 09:00 Seq_Twitter_eco
- 09:00 Ban3_horloge
- 10:00 Zones_accueil 2
- 11:00 Template Accueil Visiosense
- 12:30 Démarrage de l'ambiance
- 12:30 Arrêt des widgets
- 12:30 Sequence_Test (highlighted)
- 14:00 Fermeture espace Local
- 14:00 -- Arrêt des zones --

On the right, the "PROGRAMMATION D'UNE SEQUENCE" section shows "Choix de la séquence:" with a dropdown menu set to "Sequence_Test" and a "plein écran" option. Below this, a media preview strip shows 6 thumbnails. The "Horaire:" is set to "12 : 30". At the bottom, there are buttons for "Programmer" and "Programme périodique".



The screenshot displays the 'Gestion des Profils' (Profile Management) section of the SVS application. The 'Listes des profils' (Profiles List) on the left shows five profiles: 1 admin, 2 admin_e (selected), 3 admin_e1, 4 alain, and 5 Accueil. The main area is divided into three tabs: 'Identification', 'Droits' (selected), and 'Accès aux players'. The 'Droits' tab shows the 'Modèle d'utilisation' (Usage Model) set to 'Administration'. Below this, a list of permissions is shown with checkboxes and expandable arrows. The permissions include: Configuration, Administration, Personnalisation mot de passe, Maintenance, Diffusion Centrale, Diffusion Locale, Création et montage, ---accès aux onglets---, Séquencement, Sous-titrage, Transfert, Exploration, Zones, Bannières, Ambiance, Programmation, ---autorisations modification---, Edition de séquences en exploration, Plein écran, Fil rouge, Edition de zone, Zone 1, Zone 2, Zone 3, Zone 4, Edition de bannière, Jeu de bannière 1, Jeu de bannière 2, Jeu de bannière 3, Jeu de bannière 4, ---divers---, and Qualification des media. A trash icon is visible at the bottom right of the permissions list.



Plugins and Extensions

For which needs?

Weather

Fill in the forecasts
of the day and coming



Easy-push

Publish your media
with a simple glance



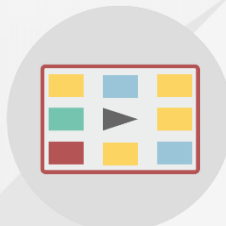
Interactivity

Turn your screen into an
interactive terminal



Média On Demand

Live a different experience with
video on demand



Pick & Play

Explore your media classified by
themes with a smartphone or a
touch screen



Doc Manager

Dematerialize your documents
Paperless goal



Planning

Adapt your schedules to your
digital signage



Booking ressources

Welcome your visitors
Orient them naturally
to their rooms



Dynamic data

Easily view your real-time data



Waiting line

Improve the wait
Point your visitors



Large display

Communicate by
giant LED screens



Control block

Leave free
to your imagination
at a lower cost



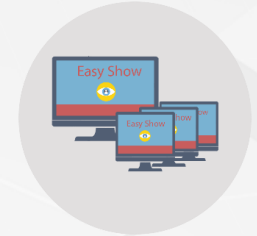
Live Banners

Instantly inform
on all positions
of your collaborators



Easy show

Share your office
on other screens



Kanban

Facilitate brainstorming with
these post-it
on collaborative board



Thin client computing

View your Citrix data
safely



Distribution UHF IPTV

Duplicate your displays in your location



Counting people

Evaluate attendance to adapt and enhance your structure



Social networks

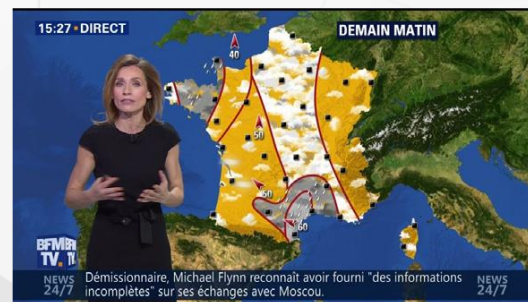
Relay the activity of social networks on your communication





Weather

This Plugin allows the display of widgets or animations in full screen or on a zone with an optimal quality.
 The sequence of weather scenarios is done in conjunction with the digital signage media. France and world coverage.



Real-time and satellite animation

Widgets at 3 and 5 jours

Selection of maps and cities

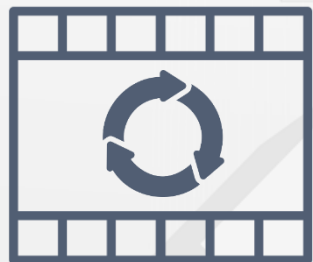
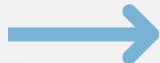


EasyPush

With this module, it is not necessary to train all the actors to the use of the Visiosense SVS operating system.



The team Communication only takes care of media content.
The Easy Push module automatically synchronizes the publication on the screens.





Interactivity

The digital signage can be broken down according to your needs, according to 3 modes of VOD ergonomic interactivity



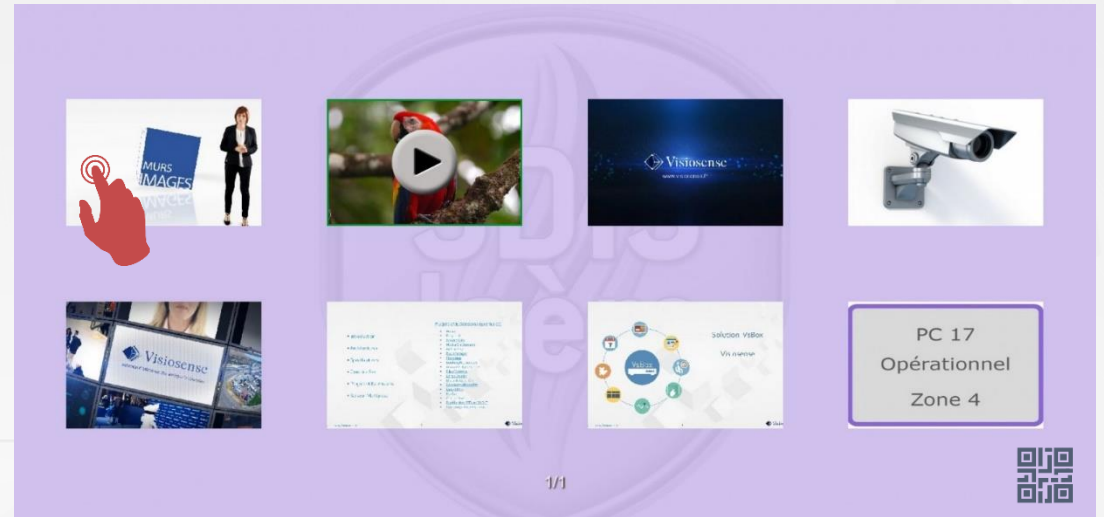
On the user's action, the scheduled broadcast stops to make room for a selection menu.

for example : external web pages or integrated html, ppt, flash softs bureautiques etc...



Media On Demand

The plugin automatically builds a Video On Demand interface. The active sequence appears as an interactive mosaic.



From its touch screen the user selects a sequence (set of media). A navigation bar appears in overlay in the media.



and /or

Flash the QR code to go directly to the pointing device. The user then selects a sequence





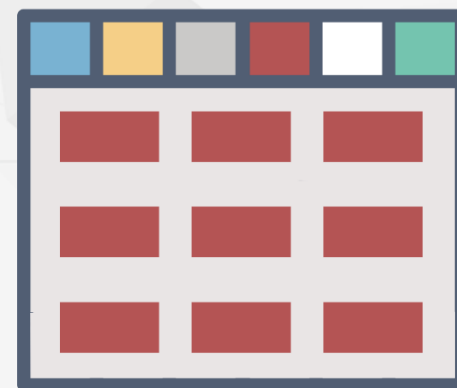
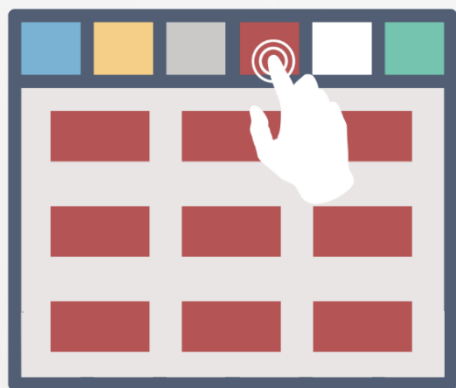
Pick & Play

The PICK & PLAY plugin sets up a VOD application. All the sequences recorded in the Box as well as the Media Library database are accessible from a Smart-TV type Web interface

The user has the choice to play :

- a complete sequence
- a single medium (video, ppt, flash etc.).

The selected sequence and / or media is played once or repeatedly until the PICK & PLAY menu is restarted





Doc Manager

The "Doc Manager" plugin allows a VS-Box to share its screen for document consultation. On request, the standard dynamic display gives way to a tool for viewing and printing pdf-type documents



The Doc Manager plugin is a fullweb application hosted in a VS-Box. It is searchable and exploitable from any Windows or tablet computer on the network.



Files (directories and contents) can come from a synchronized NAS disk.



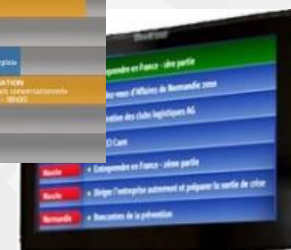
Plannings

The Planning plugin displays real-time room and resource reservations. Consultations and changes from any network station

Open on all schedule managers with an html export

Open on all schedule managers with an html export Excel or Web data conversion engine allowing a centralized and distributed display on screens, tablets.

Compatible with the GRR resource management tool widely used in the world of education.





Booking Ressources

The Booking Ressources plugin allows real-time display of room and resource reservations. Dynamic signage guides visitors to their meeting rooms.

Displaying reservation information in full screen or on an area to welcome and inform your customers or visitors.

Display on small screens of rooms fully customizable. The screen can be controlled from a VsBox or a thin client. Presentation via a web page specific to each room.





Data Dynamic

This Plugin allows the real-time display of external technical data such as: Manufacturing data, Performance data, Indicators, Measures, Statistics ...

Bibliothèque graphique



On Web pages: Animation of data in the form of tables or graphs available in object library.

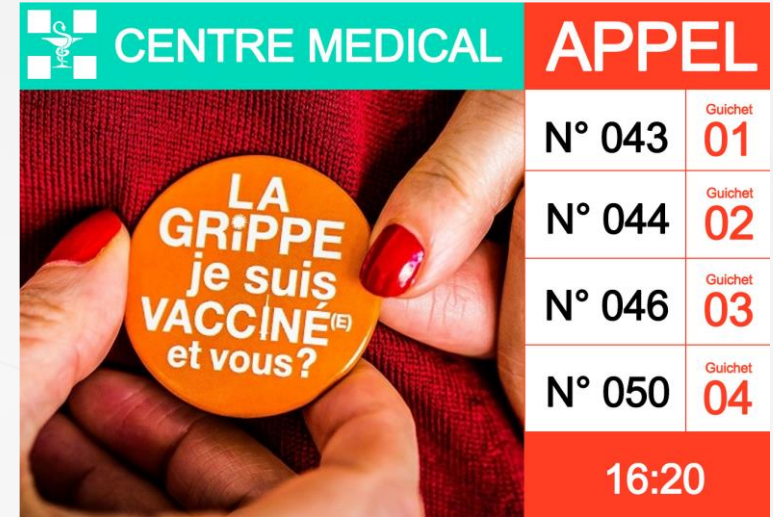
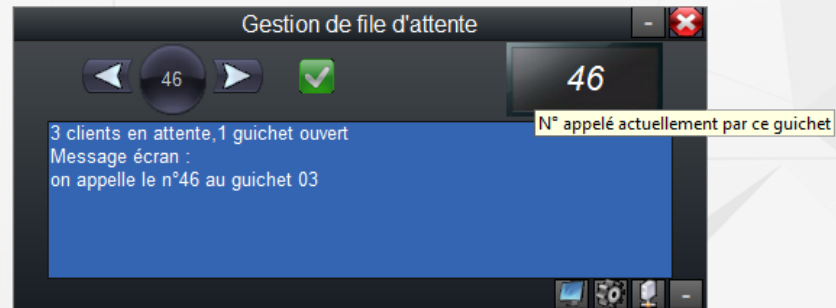
External sources in txt, html, xls, csv, xml formats etc.



Waiting line

This Plugin allows the display of Call messages.
Managing the queue from a "toolbar" application

Each counter has a mini application allowing it to simply make calls with the help of a few clicks but also to see the result of its call on the screen





Large Display

This plugin allows the control of the diffusion on the LED screens whose graphic resolution is specific (ex: 160 x 96 etc ...)

Management of very low resolutions

Cutting accuracy to the nearest pixel

Ultra-fast loading mode for sequences containing many very short media (qq sec)

Compatible with LED Studio and NOVA application





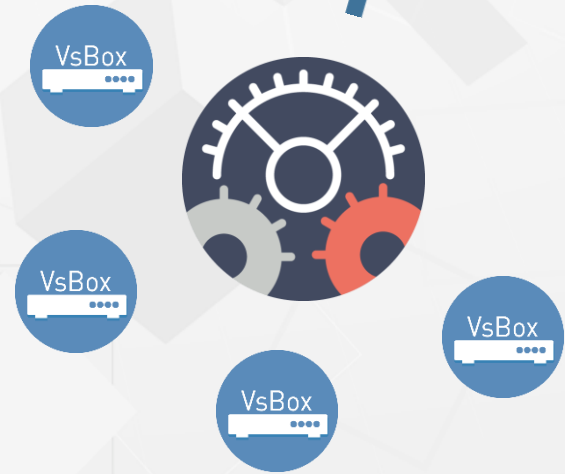
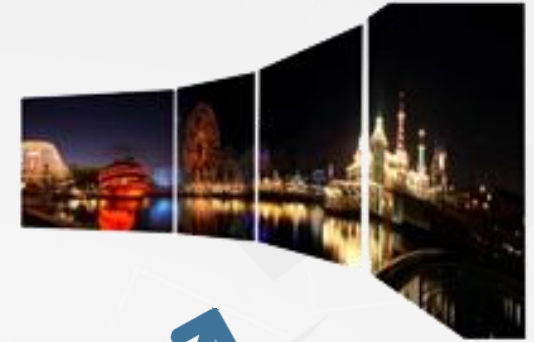
Control block

This plugin allows to perform control actions in connection with the display eg to switch the inputs of a screen or to interact with a PLC.

This principle offers a great deal of flexibility and makes it possible to adapt to all the problems of environmental control

Example: synchronization on panoramas or walls of images

Control of digital inputs / outputs, USB, RS232, IP over binary ASCII protocol





Easy-Show

The plugin "Presentation Server" allows a sharing of the screen in multi-user mode. On touch screen or keyboard / mouse action detection, the dynamic display gives way to a shared projection screen.

Control of presentations either :

- from the VS-Box screen (touch or keyboard / mouse)
- from shared Windows computers.



4 simultaneous users, can view and control their own desktop and Windows applications.



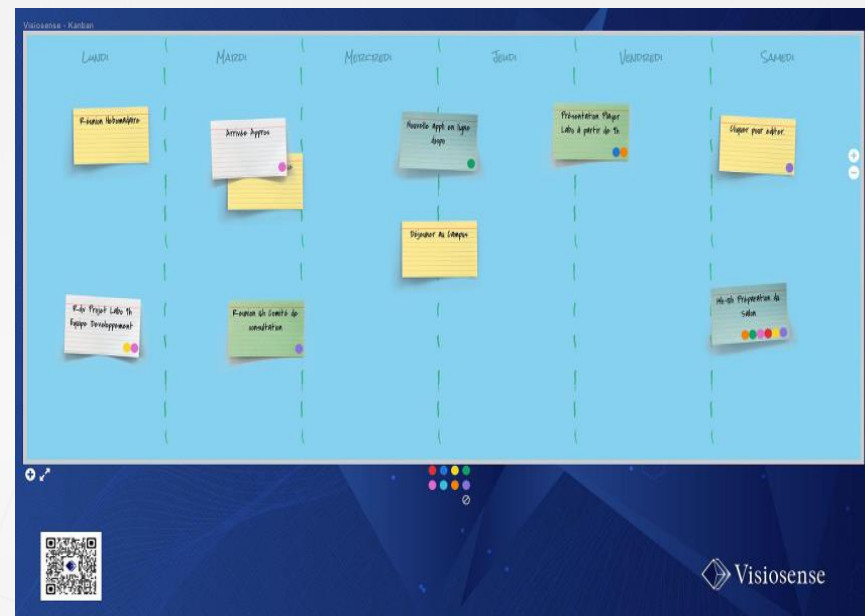
Kanban

The plugin "Kanban" allows to create a collaborative dashboard.

You will be able to paste small colored post-it notes on this whiteboard and position them wherever you want with the tip of the mouse or from a tablet

A QR code allows direct access from a tablet or smartphone. Notes can be positioned anywhere on the board by simply dragging and dropping

For project management, note taking, brainstorming, or any educational devices.





Thin client computing

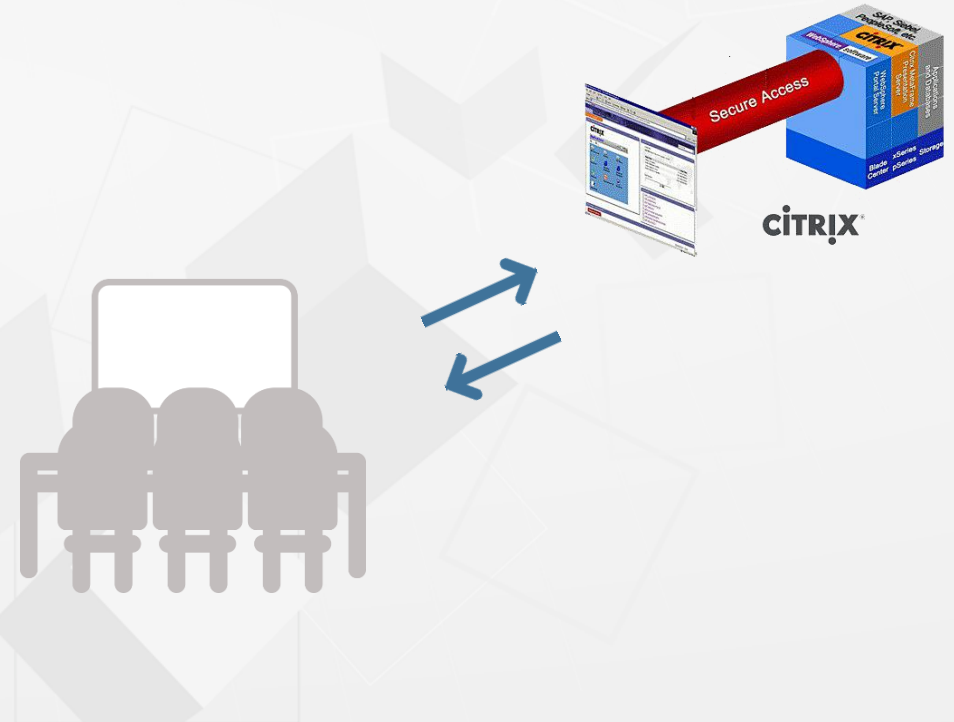
The plugin performs display, network management, and user interface tasks. All applications are deported to a central server with simplified, economical, secure and efficient access.

The Plugin comes with a standard receiver that connects to the server via the Citrix ICA protocol.

The page and login options can be customized as needed.

On touch screen or keyboard / mouse action detection, the dynamic display gives way to a Citrix thin client.

In Meeting Room:
The Dynamic Display switches to thin client computing





UHF IPTV Distribution

Encoding extension of the VsBox feed:

- for a UHF distribution (coax)
- for an IP (network) distribution

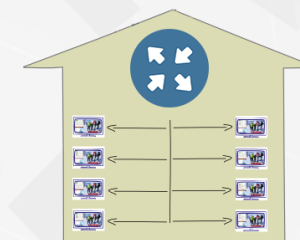
VsBox distributed on a channel UHF DVB-T

The signal thus distributed is accessible from any TV screen equipped with a TNT tuner on the coaxial network or via a set-up box installed on an IP-based computer network.

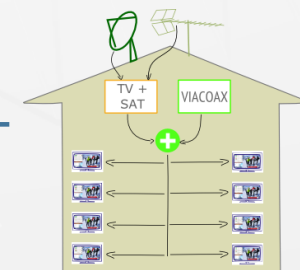
La quality supported is MPEG4 1080P on TNT-HD



IP



DVB-T





Counting people

Extension for accurate and reliable people counting anywhere (without a dedicated PC). Allows the measurement of the flow of passage for the inputs and outputs as well as the measurement of the rate of transformation.

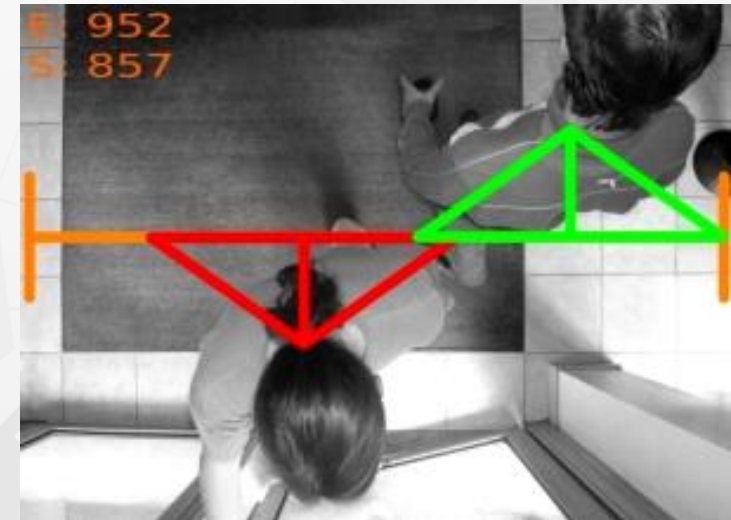
In a compact box is associated: a device for view and a treatment system.

This 3-in-1 module allows you to:

- Count people accurately (> 95%)
- Store count data up to 450 days
- Analyze count data



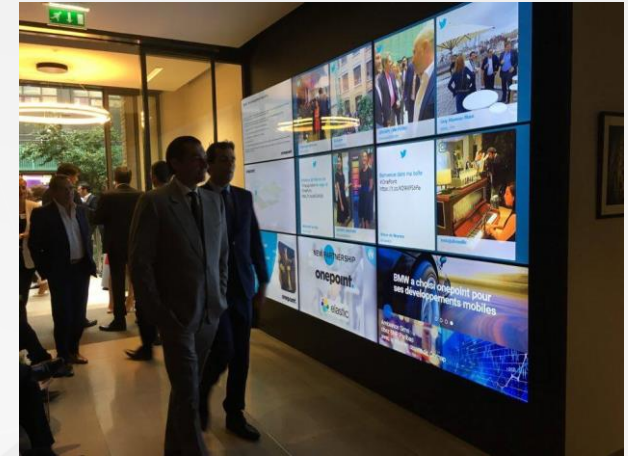
Mesure des flux





Social networks

Visiosense offers you to add a current tool to your dynamic display. For content that is always up to date, put the activity of social networks on your communication. Get visibility through this plugin



Timelines are integrated to Visiosense sequences like any media.

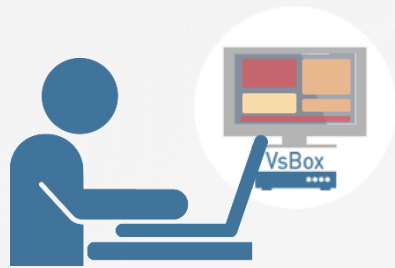




Multiplex Server

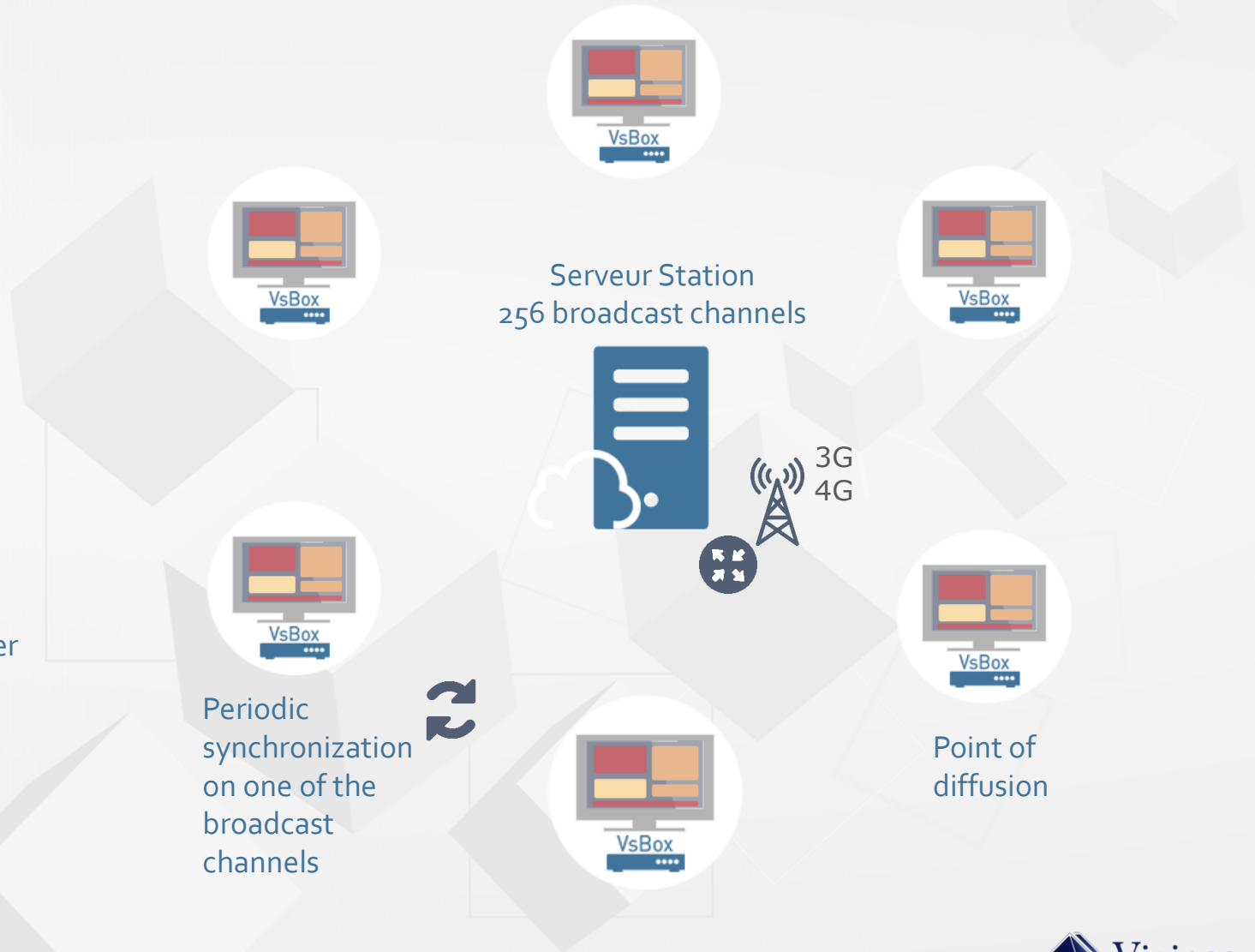
Evolution towards a large number
broadcast points

MULTIPLEX Serveur



SVS editing station
Local board

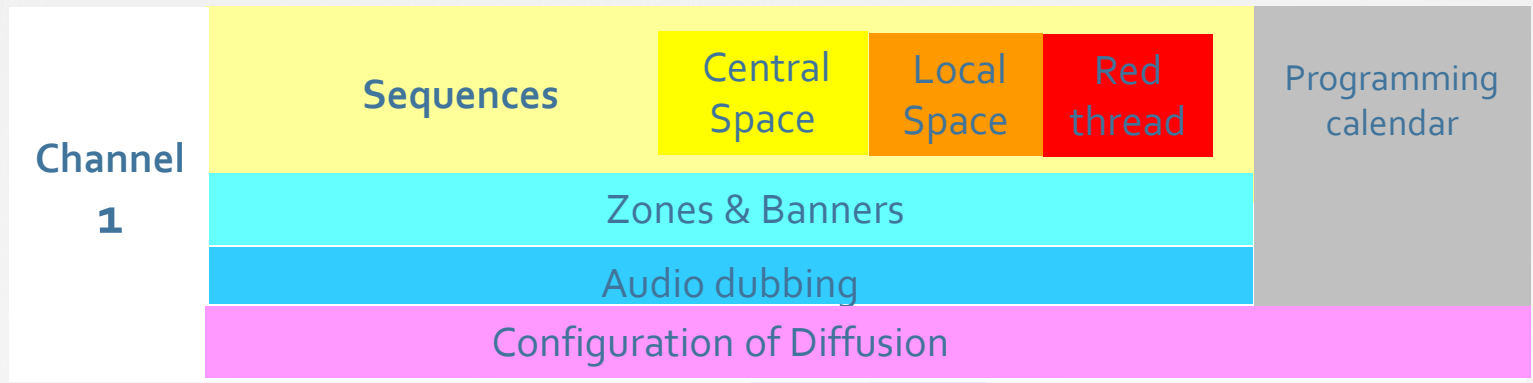
- Sequencing Zone control and banners
- Validation result on screen of control
- Publications distributed in the multiplex server
- Maintenance of remote sites



Periodic
synchronization
on one of the
broadcast
channels

Server Station
256 broadcast channels

Point of
diffusion



255 Diffusion channel
+ 1 update channel and
Time synchronization



Some Definitions

Multiplex Server

This is an application package that integrates a station that can be a hardware server, a virtual machine, or cloud hosting. The term "Muliplex" is an analogy to the "Multiplex" of cinema that offers a multiple choice of films

Diffusion channels

Access to a broadcast storage space of the Station. This space also called "Program of diffusion" includes the data of the spaces Central and Local (sequences, red thread, media), the banners, the audio, the programming time of the sequences and banners, the configuration diffusion.

Architecture

The control office controls all the broadcast points through a central server. The use of this solution is justified in the context of architectures with numerous distribution points distributed over heterogeneous networks (fiber, VDSL, ADSL, 3G / 4G).

The broadcast point synchronizes to the broadcast channel assigned to it on the Server. This method allows operation on an infrastructure of traditional type, cloud or saas.

The "Multiplex" server provides a set of 255 broadcast channels and 1 service channel for fleet updates and maintenance.

Advantages over streaming solutions

The broadcast is not live, it avoids the strong constraints related to bandwidth and server capacity. For this reason, it is possible to offer a very good broadcast quality up to 4K, without slowing down other applications using the network.

End of Presentation