

Hambisana IPTV Portals



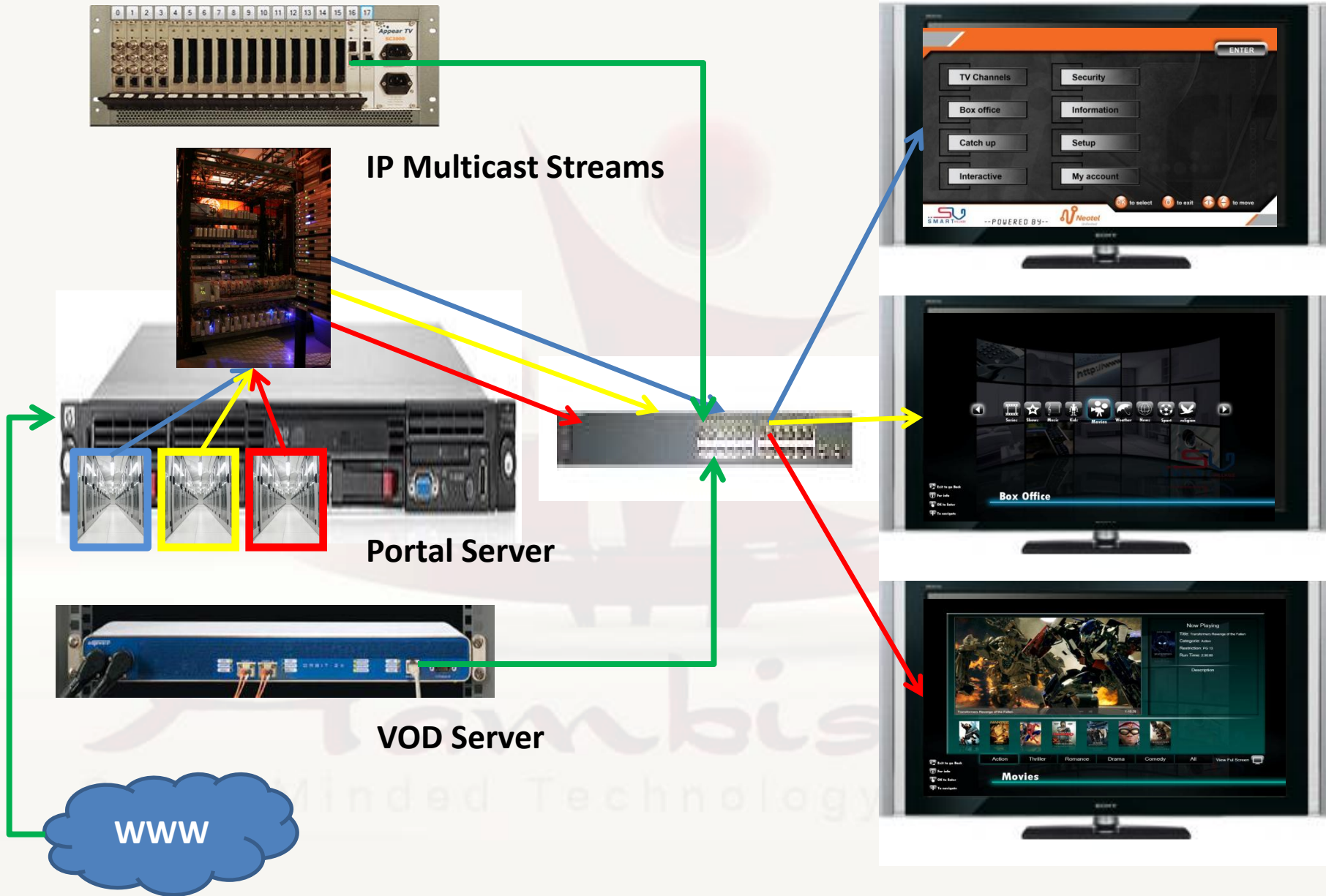
Hambisana

Open-Minded Technology Solutions

Hambisana IPTV Portals

- What are the IPTV Portals?
 - The IPTV Portals are Java based applications that run on the consumers set top boxes exposing customer specific content to their guests.
- Why are they useful?
 - The Portals expose customer specific information to the guests.
 - The Portals can expose revenue generating streams to the guests in the form of Video On demand systems.
 - The Portals can expose area specific information to the guests such as emergency services, local attractions etc.

Portal Architecture



DVB-IP Converter Configuration

DVB Monitoring - [Configuration]

Display Reports Log Services AppearTV Help

Services

Retrieve Services

Setup

Add New Unit

Model: SC2000 Unit IP Address: 192.168.1.100 Multicast address second byte: 1



| Slot | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|-----------|-----------------|-----------------|-----------------|-----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|--------------|----------|----------|----------|-----------|
| Card Type | CI CAM 2x cards | CI CAM 2x cards | CI CAM 2x cards | CI CAM 2x cards | Blank or empty slot | Blank or empty slot | Blank or empty slot | Blank or empty slot | Blank or empty slot | Blank or empty slot | Blank or empty slot | CI CAM 1x card Left | CI CAM 1x card Right | CI CAM empty | DVB Card | DVB Card | DVB Card | IP Output |

Open-Minded Tech

IPTV Portal

DVB Over IP CONFIG

DVB Over IP Configuration



- ✓ Welcome
- Configuration Values
- Multicast Address Range
- Services Selection
- Configure

AppearTV Unit Management

Interface IP Address: Format: xxx.xxx.xxx.xxx

FTP Server IP address: Format: xxx.xxx.xxx.xxx

Parental PIN :

Installation PIN :

Java Portal URL:

STB Config File Name:

DVB-S2 First Card Slot

IP Output First Card Slot

Select Homing Transponder

I7 W4 W7 Other

Homing Freq (GHz)

Symbol Rate

LNB Low Freq (GHz)

Pol [Ver=13, Hor=18]

FEC

LNB High Freq (GHz)

Back

Next

Cancel



IPTV Portal

DVB Over IP CONFIG

DVB Over IP Configuration



- ✓ Welcome
- ✓ Configuration Values
- ✓ Multicast Address Range
- Services Selection
- Configure

Services (307)

- TV
 - 100 Guide (ServID=1613, TsID=16)
 - 101 M-Net (ServID=110, TsID=20)
 - 102 MNA (ServID=136, TsID=136)
 - 103 MM1 (ServID=120, TsID=20)
 - 104 MM2 (ServID=310, TsID=3)
 - 105 MStar (ServID=350, TsID=3)
 - 106 Actio (ServID=380, TsID=3)
 - 108 HallIM (ServID=160, TsID=20)
 - 109 TCM (ServID=431, TsID=4)
 - 110 Serie (ServID=150, TsID=20)
 - 111 KykNT (ServID=251, TsID=2)
 - 112 Mwd (ServID=1020, TsID=10)
 - 113 SONY (ServID=450, TsID=4)
 - 114 AMag (ServID=299, TsID=2)
 - 115 AMag+ (ServID=906, TsID=136)
 - 120 BBC E (ServID=1130, TsID=11)
 - 123 VUZU (ServID=590, TsID=5)
 - 124 E! (ServID=2160, TsID=21)
 - 125 ZnRea (ServID=550, TsID=5)

Selected All Clear All Commercial Package

Show All Show Selected

Service Info or Add or Delete Services

Channel # 101

Name M-Net

IP Address 239.250.0.110

Port 1234

Service Type 1 (TV=1, Radio=2,...)

Service ID 110

Transport ID 20

Network ID 6144

Available on DVB-Over-IP Unit

Available on STB

Add New Service

Delete Service Above

Apply Above Changes

Back Next Cancel



A FUSION OF LIFESTYLE AND TECHNOLOGY

QUADRA PLAY™



SV
SMART VILLAGE

SMART VILLAGE

Help: Using the Remote Control



This section of the portal provides the guest with some helpful information on using the set top box remote control.

By reading the information on the screen the guest should have a much better understanding of how to navigate using the remote control in their room.

Portal Loading Screen



Sun International

A Million Thrills. One Destination.

Hotels, Resorts & Casinos



As the portal starts the loading screen is shown to the guests.

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Solutions

Home Screen

ENTER

TV Channels

Security

Box office

Information

Catch up

Setup

Interactive

My account

OK to select

to exit

to move

Home Screen



When the portal is started the guest is presented with the Portal Home Screen.

From this screen the guest can navigate to different sections of the portal by using their set top box remote control.

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Interactive Screen: Currencies

International Currencies

| | £ | € | ¥ | \$ | R | ₹ |
|-----|------|------|--------|------|-------|-------|
| GBP | 1.00 | 1.17 | 131.96 | 1.60 | 11.22 | 47.75 |
| EUR | 0.85 | 1.00 | 112.62 | 1.37 | 9.58 | 40.75 |
| JPY | 0.01 | 0.01 | 1.00 | 0.01 | 0.09 | 0.36 |
| USD | 0.63 | 0.73 | 82.49 | 1.00 | 7.01 | 29.85 |
| ZAR | 0.09 | 0.10 | 11.76 | 0.14 | 1.00 | 4.26 |
| MUR | 0.02 | 0.02 | 2.76 | 0.03 | 0.24 | 1.00 |

Last Updated: 2011/01/25 09:00:38 AM

to navigate OK to enter i for info EXIT to return

When the guest navigates to the interactive section of the portal they can currently view two section of information, the first being the International Currencies and exchange rate section.

Interactive Screen: Weather

The screenshot shows an interactive weather screen with a dark background. At the top, there are two tabs: "Currency" and "Weather". The main content is titled "National Weather" and displays five weather cards in a 2x3 grid (with the last cell empty). Each card shows the location name, temperature in Celsius and Fahrenheit, a weather icon, the current weather condition, and a percentage. At the bottom right of the main content area, it says "Last Updated: 2011/01/25 09:01:24 AM". At the very bottom, there is a navigation bar with four icons and labels: a directional pad for "to navigate", "OK" for "to enter", an information icon for "for info", and "EXIT" for "to return".

| Location | Temp (C) | Temp (F) | Weather | Percentage |
|------------|----------|----------|-------------------|------------|
| Bel Ombre | 20° | 69° | Cloudy (E) | 10% |
| Grand Baie | 20° | 69° | Cloudy (E) | 10% |
| Port Louis | 20° | 69° | Cloudy (E) | 10% |
| Belle Mare | 22° | 73° | Mostly cloudy (E) | 13% |
| Mahebourg | 22° | 73° | Mostly cloudy (E) | 13% |

The Second screen available to the guests on the interactive section in the National weather.

Here guests see the current weather conditions in up to 6 surrounding areas to their current location.

Box Office: Video On Demand



The screenshot displays a user interface for a video on demand service. At the top, there is a navigation bar with buttons for 'Drama', 'Romance', 'Action', 'All', 'Comedy', 'Thriller', and 'Adult'. Below this, a 'Box Office Movies' section is highlighted with a white cube icon. Three movie thumbnails are visible: 'Dear John', 'Despicable Me', and 'Goal! Life by the Ball DodgeBall'. The 'Despicable Me' thumbnail is selected and enlarged. Below the thumbnail, the title 'Despicable Me' is displayed with the subtitle 'He is going to steal the moon'. A synopsis is provided: 'When a criminal mastermind uses a trio of orphan girls as pawns for a grand scheme, he finds himself profoundly changed by the growing love between them'. To the right of the synopsis, the following details are listed: 'Run Time: 95 minutes', 'Genre: ANIMATION COMEDY FAMILY', and 'Rating: PG'. At the bottom of the screen, a navigation bar includes icons and text for 'to navigate', 'OK to enter', 'i for info', and 'EXIT to return'.

The Box Office section of the portals provide an excellent revenue generating stream for the portal hosts.

Form this section guests can purchase movies form the portal host at a fee allowing the guest to watch the movie on their television sets.

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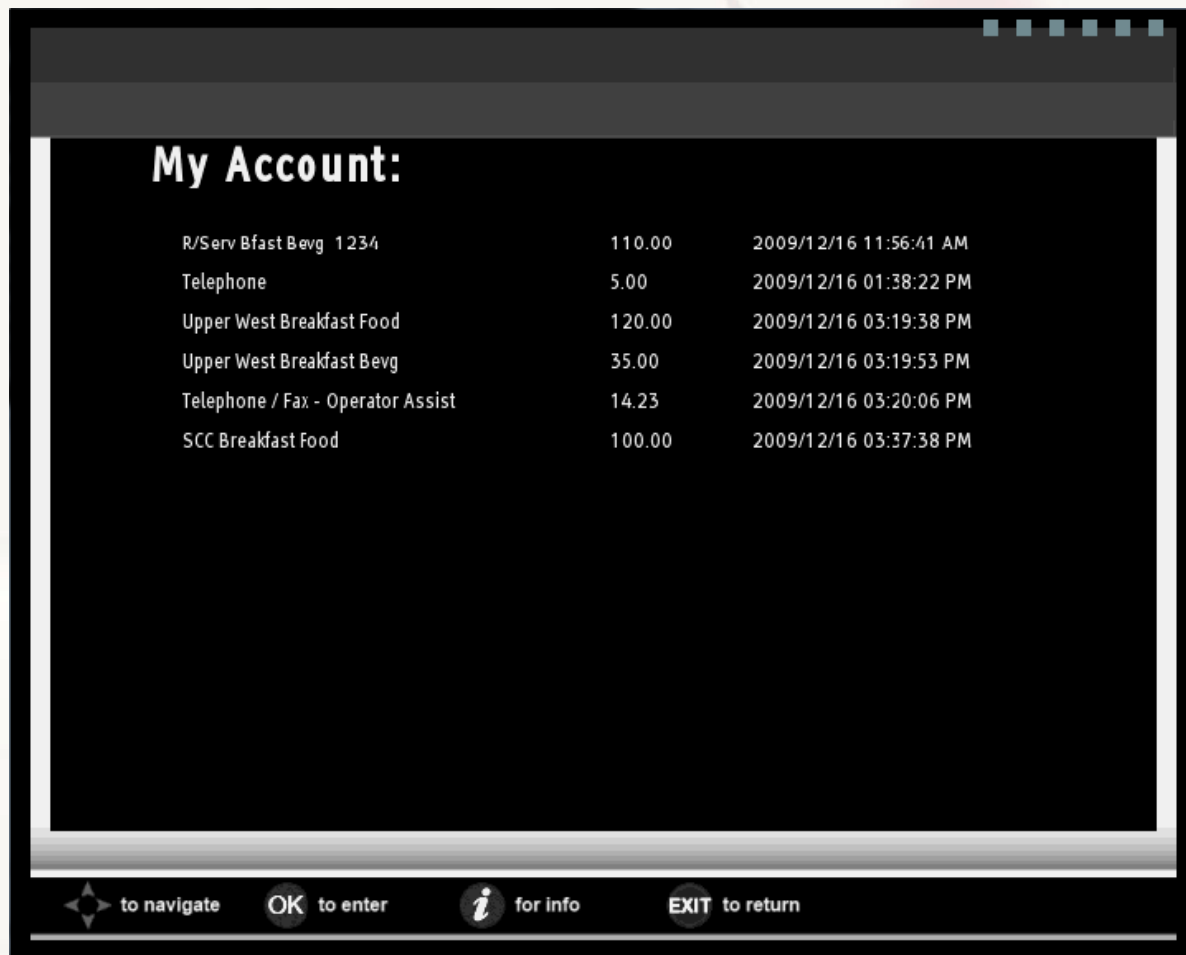
Box Office: Purchasing Process



Using a simple to understand navigation process the guest can seamlessly navigate between genre's and available films.

The purchase is not done on the first selection. The guest is first shown a confirmation screen detailing the Parental Rating of the film as well as the purchase price. The guest has to confirm again for the purchase to go through.

My Account: Overview



| My Account: | | |
|-----------------------------------|--------|------------------------|
| R/Serv Bfast Bevg 1234 | 110.00 | 2009/12/16 11:56:41 AM |
| Telephone | 5.00 | 2009/12/16 01:38:22 PM |
| Upper West Breakfast Food | 120.00 | 2009/12/16 03:19:38 PM |
| Upper West Breakfast Bevg | 35.00 | 2009/12/16 03:19:53 PM |
| Telephone / Fax - Operator Assist | 14.23 | 2009/12/16 03:20:06 PM |
| SCC Breakfast Food | 100.00 | 2009/12/16 03:37:38 PM |

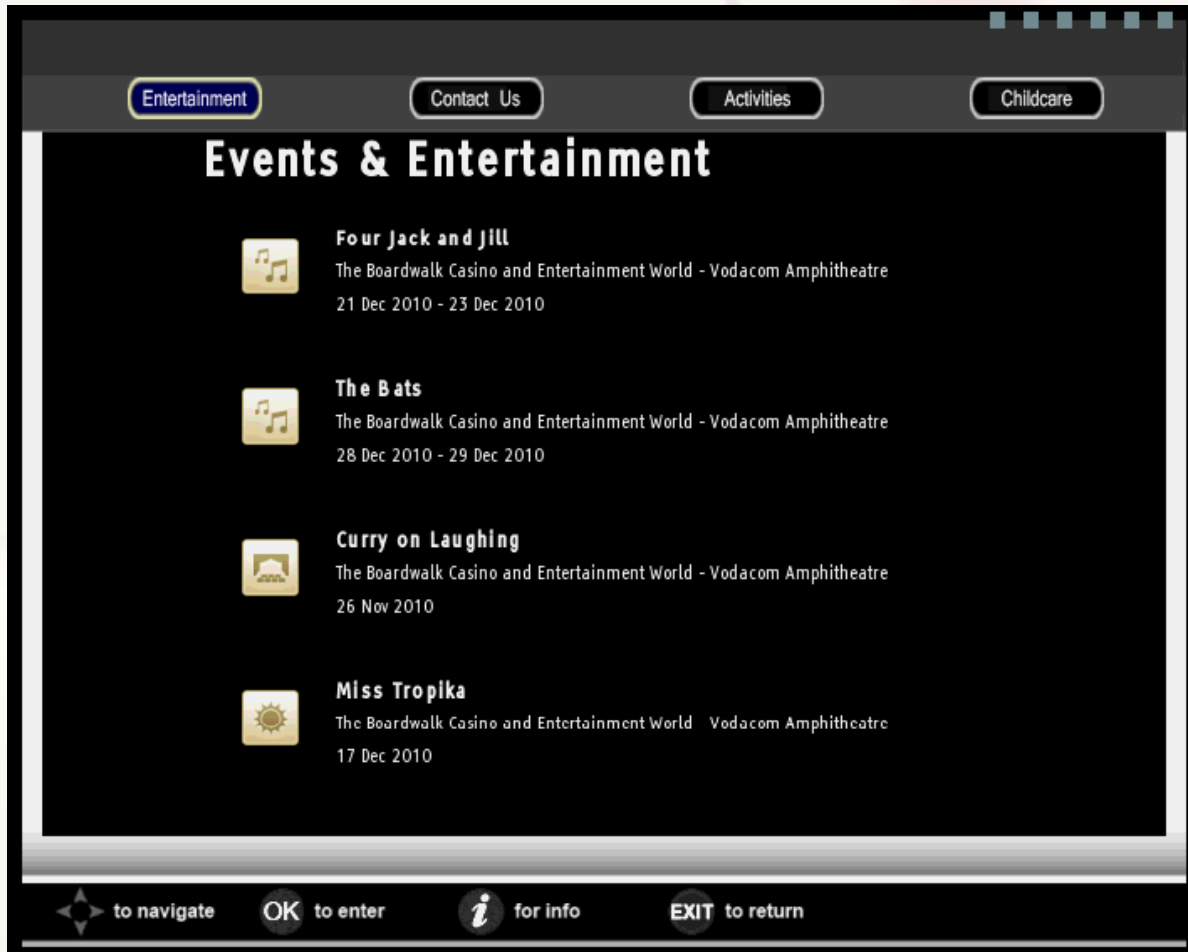
to navigate OK to enter i for info EXIT to return

As the guest uses the facilities of the resort, including the portal facilities, the account details of the guests are recorded at the resort.

It is possible for the IPTV Portal to display this information to the guest to provide some insight into their current account standings.

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Information Screen



As mentioned before the Portal can provide the guest with useful information about the resort such as:

- Entertainment events.
- Contact details for the resort.
- Activities hosted by the resort.
- Child care facilities at the guest's disposal.

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Some examples of other Portals: Villas Valriche

Villas Valriche – Interactive Screen - Currencies

International Currencies

| | £ | € | ¥ | \$ | R | ₹ |
|-----|------|------|--------|------|-------|-------|
| GBP | 1.00 | 1.18 | 130.53 | 1.56 | 10.78 | 47.88 |
| EUR | 0.85 | 1.00 | 110.48 | 1.32 | 9.12 | 40.52 |
| JPY | 0.01 | 0.01 | 1.00 | 0.01 | 0.08 | 0.37 |
| USD | 0.64 | 0.76 | 83.70 | 1.00 | 6.91 | 30.70 |
| ZAR | 0.09 | 0.11 | 12.11 | 0.14 | 1.00 | 4.44 |
| MUR | 0.02 | 0.02 | 2.73 | 0.03 | 0.23 | 1.00 |

Last Updated: 2010/12/03 08:47:59 AM

VILLAS VALRICHE
ILE MAURICE

As noted earlier this presentation focused on the IPTV Portal currently deployed at the Wild Coast Sun resort.

Hambisana has also produced other portals with different look and feels.

Here is an extract of the Villas Valriche portal used in Mauritius in this screen the guest is viewing the International currencies.

Some examples of other Portals: Space Stream

Space – Interactive Screen - Currencies

Currency
International Currencies

| | £ | € | ¥ | \$ | R | ₹ |
|-----|------|------|--------|------|-------|-------|
| GBP | 1.00 | 1.17 | 131.77 | 1.60 | 11.19 | 47.85 |
| EUR | 0.85 | 1.00 | 112.58 | 1.37 | 9.56 | 40.89 |
| JPY | 0.01 | 0.01 | 1.00 | 0.01 | 0.08 | 0.36 |
| USD | 0.63 | 0.73 | 82.47 | 1.00 | 7.01 | 29.95 |
| ZAR | 0.09 | 0.10 | 11.77 | 0.14 | 1.00 | 4.27 |
| MUR | 0.02 | 0.02 | 2.75 | 0.03 | 0.23 | 1.00 |

Last Updated: 2011/01/25 11:40:34 AM

Currency Weather

Interactive

Navigate Enter EXIT To go Back Information

For overview consistency we are showing the currencies page of another portal.

Here is an example showing the International Currencies page from the interactive menu of a portal created for Space Stream.

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ECO PARK
Residential Estate

Camera 1

Camera 2

Security



To Navigate



To Enter



To go Back



For information