VILLAGE ISLAND

FlexRecorder
24/7 COMPLIANCE RECORDER

VILLAGE FLOW

WHO IS VILLAGE ISLAND?

ADDED VALUE RESELLER and INTEGRATOR

Village Island resell and integrate equipments and services from top manufacturers from around the world. Our activity is divided into 3 key areas of the industry: Video Content Management, Content Delivery and OEM.

SOFT & HARD DEVELOPMENT

Village Island develops hardware and software solution for its key customers and partners. Village Island engineer team achievements vary from stand-alone software application, driver development, web client/server solution, to TS real-time processing platform such as the VillageFlow, and FPGA boards for 4K and 8K video processing.
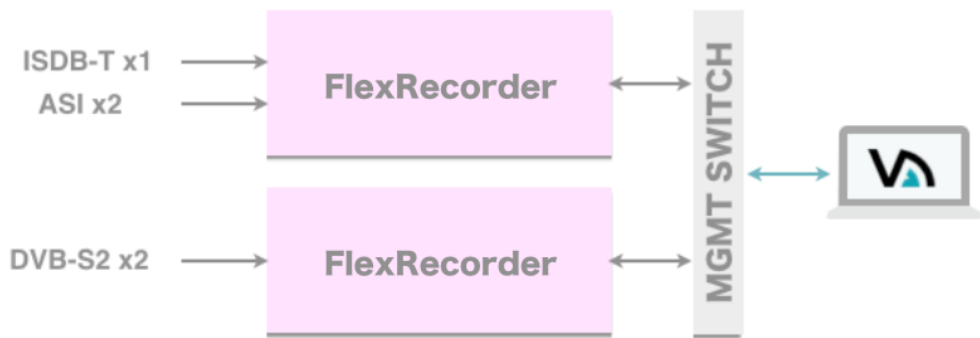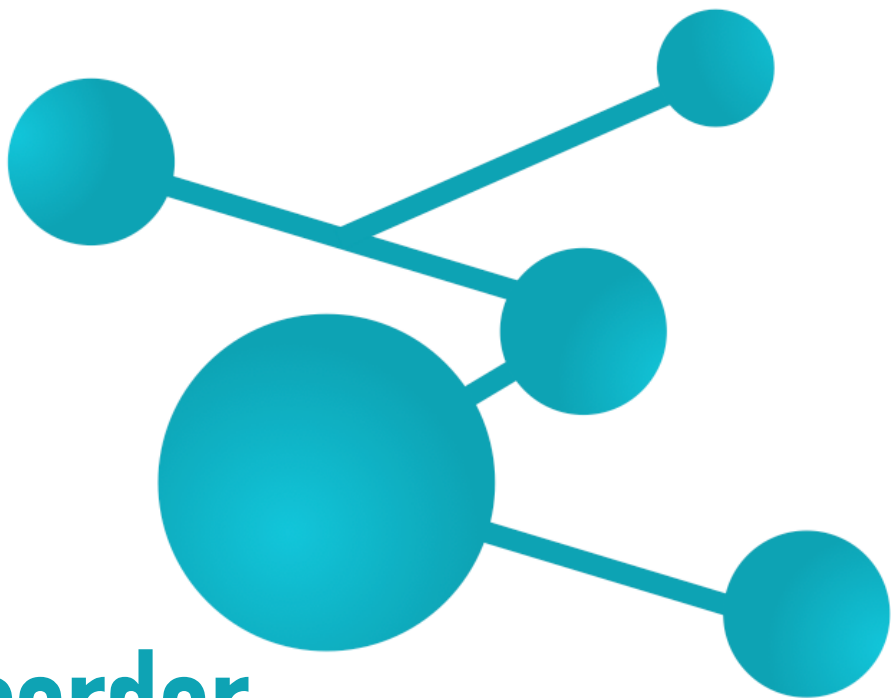
FlexRecorder: 24/7 COMPLIANCE

SUMMARY

The Village Island FlexRecorder is a 24/7 recording system, that can capture to files any type of input, such as RF, ASI, or IP. The system can be scaled to record any number of input streams, over any length of time with the addition of servers and interface cards. Retrieval of archived TS data is done through the extractor interface, allowing the user to search through the archive and download the desired segment as a single file.

EXAMPLE SYSTEM

EXAMPLE ARCHIVE LENGTH

TOTAL STORAGE CAPACITY	3RU STORAGE SERVER 16x 4TB in RAID 5	≈58TB
TOTAL INPUT BITRATE	4x 50Mbps inputs	200Mbps

ARCHIVE LENGTH
(PER INPUT)

$$1 \text{ MONTH} = \left(\frac{\text{} \times 8bit}{200 \times 10^6} \right) \quad 2{,}320{,}000s$$

SIX features
of the FlexRecorder

Web GUI

The intuitive FlexRecorder WEB GUI can be accessed by any laptop / PC on the network, from any web browser. From a single GUI, multiple recording instances can be controlled.

Multi–User

The system can be accessed by multiple users simultaneously via the web browser GUI. All changes to a recorder can be viewed in real-time by all users accessing the recorder.

Scheduler

The FlexRecorder scheduler allows recording to be made through a pre-defined schedule. Each event is defined by the start and end time of the recording segment.
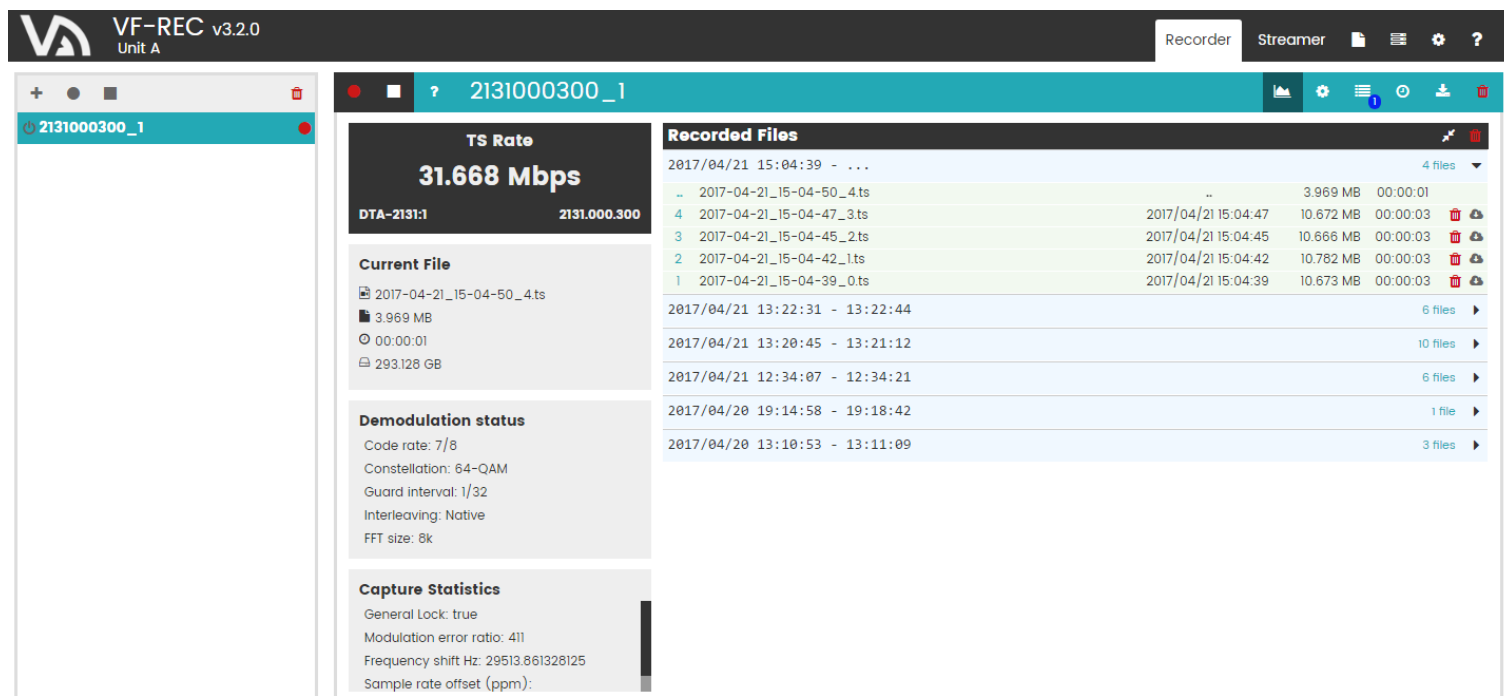
Scalability

The system can be easily expanded to accommodate additional input streams and storage space, by adding extra storage servers and interface cards.

TS file extraction

The extractor function allows users to navigate through archived files and download a single TS file straight to their local PC/Laptop. Using the *streamer* app the selected TS file can be played out directly over ASI or IP.

USER INTERFACE

The FlexRecorder application allows for multiple recording inputs to be set by adding a "Recorder", which are listed in the sidebar. Selecting a recorder will populate the main view, with multiple tabs for controlling and monitoring the selected recorder.

Within the main view, the capture / record information is always displayed to show the input TS Rate, current file information and also capture statistics. For RF inputs, an additional demodulation status will be shown.

The user can view the recorded files via the MONITOR tab, which also allows them to download a file and delete files / sessions. The SETTINGS tab provides capture / recording settings for the capture type selected. The SCHEDULER tab allows the user to schedule commands that start and stop the recorder at the specified times.

Using the EXTRACTOR tab, the user can combine multiple recorded files into a single file, which will then be available for download.

Recorded Files

```
2017/04/21 15:04:39 - ...
  ..  2017-04-21_15-04-50_4.ts
  4   2017-04-21_15-04-47_3.ts
  3   2017-04-21_15-04-45_2.ts
  2   2017-04-21_15-04-42_1.ts
  1   2017-04-21_15-04-39_0.ts
2017/04/21 13:22:31 - 13:22:44
2017/04/21 13:20:45 - 13:21:12
2017/04/21 12:34:07 - 12:34:21
2017/04/20 19:14:58 - 19:18:42
2017/04/20 13:10:53 - 13:11:09
```

Recording Sessions

When a recorder starts recording, all recorded files will belong to a recording 'session'. Each session represents the period between a recorder start and a recorder stop, allowing to group a set of related files together.

Capture Settings

Multicast Address	☑	225.0.0.1
Port Number		12345
Source Filter Address	☐	0.0.0.0
Source Filter Port	☐	0

Record Settings

File Path ?	C:/workspace/VF4
File Chunk Option	No chunking

Record Settings

The SETTINGS tab allows the operator to configure the capture device as well as the type of recording. Multiple recorded files based on the file size or duration can be grouped in sessions. Setting the maximum number of files will keep an archive of the latest recorded files up until that maximum.

Select files from 2017-04-21 14 21
Set a file name: **MergedFile.ts** and **Subm**

Included files
File path
```
2017-04-21_15-04-39_0.ts
2017-04-21_15-04-42_1.ts
2017-04-21_15-04-45_2.ts
2017-04-21_15-04-47_3.ts
2017-04-21_15-04-50_4.ts
2017-04-21_15-04-53_5.ts
2017-04-21_15-20-00_0.ts
2017-04-21_15-20-03_1.ts
```
Merged files

TS Extractor

In each recorder, there is an extractor feature that allows the user to input a start date/time and an end date/time, to extract a single TS file from the recorded stream.

If the selected time is in the middle of a file, then that file will be spliced to provide a single TS file accurate to the second.

STREAMER

The streamer feature allows the operator to create a playlist of recorded files and play them back over IP or ASI. The playlist can be generated by either selecting a session previously recorded by the FlexRecorder, or selecting a single file in the file system. Each file in the playlist has a range slider to control the start and end points of the file and the whole playlist can be looped, replaying each file in order.

VILLAGE ISLAND

WHY CHOOSE VILLAGE ISLAND?

Village Island is a well-established team of engineers, dedicated in delivering state-of-the-art solutions to every sector of the broadcast industry. Our team strives to identify customer needs and respond through the use of top quality products from leading manufacturers. Established in Japan in 2005, Village Island has expanded to cater for South East Asia, with a regional sales office based in Singapore and Malaysia.

PROJECT MANAGEMENT

From project definition, solution design and delivery, Village Island is with you every step of the way, making sure that your requirements are fully covered.

ENGINEERING SERVICES

Each solution is carefully prepared, with every device configured and each requirement validated according to the project scope.

MAINTENANCE AND TECH SUPPORT

Maintenance and Tech Support is available for continuous support during business hours.

CONTACT US

HEADQUARTERS

3-19-1-5F, Shirokanedai,
Minato-ku,
Tokyo, Japan,
108-0071

Tel: +81 3 6409 6206

sales-asia@village-island.com
support-asia@village-island.com

village-island.com/en/