User manual

Initial phase

The program will start with no videos preloaded. The first thing the user should do is to import one or more videos by clicking on the "Add a File" button. The user can import up to nine videos, but only one at a time.
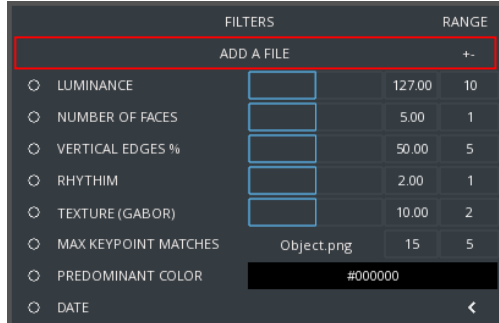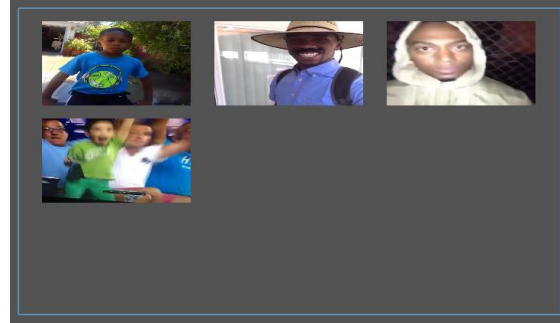

Figure 1 - "Add a File" button

Figure 2 - VideoBox Area

When the video is imported, it will appear on the right side *(in the VideoBox area, Figure 2).*

By hovering the mouse on a video image (inside the videoBox) the metadata of said video will show directly below the video. Metadata will give important information about the video, such as the name of the video, date, luminance value, number of faces that appear in the video, mean RGB colors of the video, rhythm, textures, and % of vertical edges.
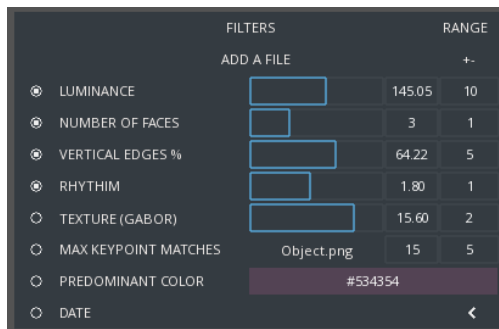

Figure 3 - Video on VideoBox

The user can play the video by clicking on the play button in the middle of the thumbnail.

If the user for some reason doesn't have any interest in maintaining the video, at any time he can delete it by clicking on the video thumbnail, this will show a message, and highlight in red the video selected, after that, the user will press the delete button on the keyboard to eliminate the video.

Applying filters

After we import all the videos we want, we are now in condition to apply some filters. The filters can be found on the left part of the screen, in this area, there are some toggles to select the filters that the user wants to activate.

Figure 4 - Filters

If the filter is activated, the toggle will appear as full. In figure 4: luminance, number of faces, vertical edges % and rhythm are activated.

After the filter activation the user can adjust the slider that dictates the value he wants for the videos. There is also a possibility of adjusting the range by inputting a value to create a smaller or wider "net" for the videos to fall into.

In this example: Regarding luminance we allow videos that have luminance ranging from 135.05 (145.05 – 10) to 155.05 (145.05 + 10).

Figure 5 - Date Filter

The Date filter dropdown allows the user to input a starting date and an end date. Any videos that date in between those will be valid, and will appear in the timeline.
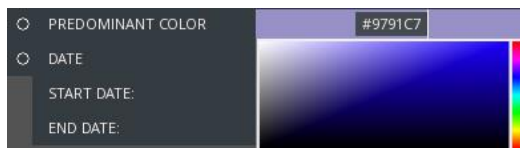

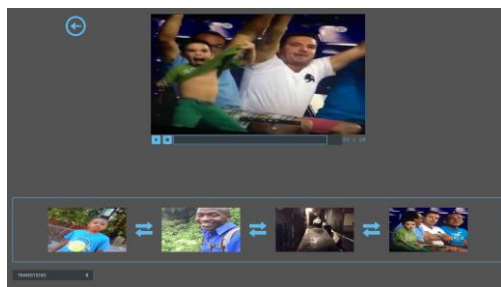Figure 6 - Predominant Color Filter

The predominant color filter allows the user to select any color from the color picker. When active, videos whose average color is similar to the selected color will get selected.

Once the user is satisfied with the filters, he can click in the generate timeline button located under the filters.

Timeline

When the generate timeline button is clicked, the videos that satisfy the filters selected above will appear in the timeline. If no filters are selected all videos contained in the VideoBox will appear in the timeline.
After the timeline is generated the user can do some modifications by clicking on the modify timeline button, located under the timeline.

This will guide to another page (figure 8) where we can watch the full timeline and rearrange the position of the videos by clicking on the arrow icons in between the videos.
Clicking said icons will swap the position of the adjacent videos to the arrows. Playback order will always match the order of the timeline.

Figure 7 – Generated Timeline Playback and Modifications

If the user wants to play the timeline he can use the play/pause and stop buttons, located under the video player. The user can also use the slider to start the video reproduction on that slider position.
In this page there can also be applied transitions to the video in the dropdown list located under the timeline, Fade is available.
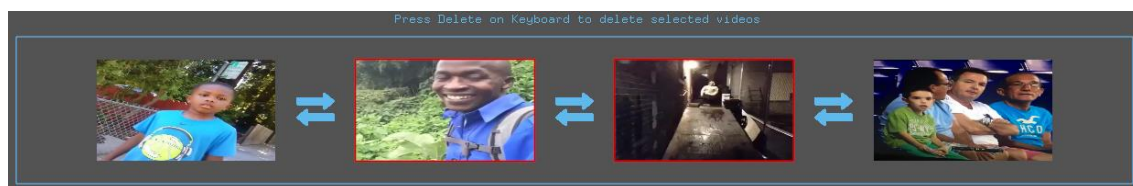

Figure 8 - Delete Functionality

Similarly, to what is available in the VideoBox area, clicking in the video thumbnail will highlight the video (Figure 8, videos highlighted in red) and display a message to alert that clicking the delete button on the keyboard will remove the videos from the timeline.

At any time, the user can return to the Main Screen by clicking the backwards arrow (Figure 7) and readjust the filters or add/remove videos.

It's important to notice that for any adjustments made in the Main Screen (regarding filters or adding more videos) only by clicking the "Generate Timeline" button, the changes will affect the Timeline.