

FSPIV Application

Full Screen Panoramic Image Viewer

Rev 1.0

Content Summary

1.0 Application Summary

2.0 Architecture and Benefits.

3.0 URL Attributes and User Commands Summary

4.0 Customer Pictures and Menu Integration

5.0 Deployment, Hosting, and Support

6.0 Example User Image Groups

1.0 Application Summary

The objective of FSPIV is to augment the internet browser to create a distraction free, full screen panoramic image viewer for all sized computer screens. It accomplishes this by resizing the image to the screen height of the device, not the width. This creates a parallax which extends the image horizontally allowing for landscape panning. This is particularly useful on smaller mobile devices when the image is much larger than the device itself.

An example FSPIV image panorama and slideshows of early 20th century expressionist artists is located [here](#).

Notice how the panoramas are resized to the screen height and not the screen width. The entire screen is utilized to view the image, not just a portion of the screen. The entire image can be viewed by panning from left/right and up/down. The menu button in the upper left corner of the panorama shows the program menu.

The full screen, distraction free image viewing of FSPIV provides a superior user experience to thumbnail galleries. FSPIV provides users the maximum scrollable image that can be panoramically panned. Because FSPIV panoramas are always full screen, the need to pinch-out an image to full screen is eliminated.

FSPIV provides an image slideshow allowing for hands free viewing of large collections of digital images. The slideshow presentation can support any number of images and can be adapted to a wide variety of viewing options.

2.0 Architecture and Benefits.

FSPIV employs proprietary software to build a panoramic user interface based upon popular digital imagery formats. Panoramic menus are generated to access digital images. FSPIV does not generate network traffic until a picture group is requested allowing the application to run independently of the server. The code runs within the internet browser's protected sandbox and does not have access to the client file systems. FSPIV is an original software effort independent from existing software programs and fully written by its author without usage of 3rd party licenses or software modules. FSPIV provides complete online and development end-to-end hosting services. It can be easily integrated into existing commercial websites.

Summary of Key FSPIV Benefits.

- Advanced menu system
- Displays pictures at full screen height eliminating the need to pinch-out
- Auto slideshow
- Horizontal panning of images wider than the user screen
- Does not require HTML language expertise
- High performance user interface
- Creates 360 degree panoramas of common digital image formats
- Provides the same user interface to all devices including PCs and cell phones

3.0 URL Attributes and User Commands Summary.

A url loads a specific image group or displays a menu to select an image sub-group. An image sub-group consists of images of similar orientations and aspect ratios. Users can bookmark FSPIV panoramas to load a specific image.

The following is a summary of the URL attributes: p = Group (required); k = Sub-Group (default - first); e = Image (default - first); d = Display (default - 0); a = Auto (0 - none, 1 - panning); t = internal use (default - 0).

The following is a **summary of FSPIV user commands**:

- Click the left/right side of the image to move to the previous/next picture.
- When motion is stopped, pan up/down to move left/right to view the pictures full width.
- Pan left/right to move to the previous/next image.
- Swipe left/right to activate the auto slideshow. Click anywhere on screen to stop the slideshow.
- Pinch the picture to enable or disable screen magnification, where 1/3rd of the normal picture height is displayed. Use the left/right arrow to move horizontally across the magnified picture. Use the up/down arrows to move the magnification focal point.
- Hit Backspace/Enter key to move to the previous/next image.
- Hit Spacebar to activate the auto slideshow.

4.0 Customer Pictures and Menu Integration

Various processes enable customer representatives to organize and transmit their pictures and menu definitions to the FSPIV application for integration into FSPIV servers. The FSPIV server hosting environment provides a deployment & test configuration separate from online servers accessed by users allowing updates and test verification independent of user impact.

There are 3 basic ways for organizations to engage and utilize FSPIV services: 1) Developer server access, 2) Menu definitions & file transfers to the FSPIV staff, 3) and Metadata Directive Transfer. For each deployment process, when the test environment updates are verified, the FSPIV team will promote the updated test environment pictures to the online (internet accessible) environment for user access.

Developer Server Access: The FSPIV support team provides a server id/pw to developer(s) for their direct access to a FSPIV development server. The FSPIV technical staff will train experienced Linux OS developers in the technical details needed for their deployment of image groups. The developer employs FSPIV tools to define, design, test, and deploy their image group website.

File transmittal interface to FSPIV staff: The methodology involves website developer transferring pictures and Menu definitions to shared storage facilities (such as Google Drive) or sending a Zip file to the FSPIV support who integrate the files to the required FSPIV directory and file structure. The developer does not have id/pw access to FSPIV servers. On-going communications between the developer and FSPIV staff is likely needed to finalize deployment and testing of the picture/menu definition. The FSPIV team provides a site url based on a developer definition for access to the test and online webserver. .

Metadata Directive Transfer: A customer analyst completes directives files that define pictures, picture sequence, menu items, menu to picture relationships, and general profile parameters. The directive files are automatically processed by FSPIV scripts creating webserver access to the picture group. This methodology enables the web developer to focus on files and file content needed for an effective site without learning the technical details of server side website implementations or working closely with the FSPIV staff.

5.0 Deployment, Hosting, and Support, 24x7 web service Hosting, and Life-Cycle Maintenance Support.Pricing.

Typical deployment and life-cycle maintenance support is included in the monthly hosting fee. The monthly hosting fee is initiated when a picture group website is deployed into the production hosting environment. The monthly host fee is based on the total number of images, storage size of pictures, and volume of online user access. Special deployment and/or life-cycle support requirements may be billed separately at an hourly rate. The FSPIV team will notify customer representatives when separate support fees are required. The overall customer value includes the FSPIV application, hosting server environments, and support.

6.0 Example User Image Groups

[Anime](#)

[Naval Combat](#)

[Little Red Riding Hood](#)

[Tiny World](#)

[Female Models](#)

[Motor Racing](#)

[Combat Art](#)

[Spiderman](#)

[Comics](#)

[Cyber City](#)

[King Arthur](#)

[Assorted](#)

[Star Wars](#)

[Special Effects](#)

[Home Interiors](#)

[Home Exteriors](#)

[Car Interiors](#)

[Fall Colors](#)

[Waterfalls](#)

[Face Time](#)

[Air Combat](#)

[Cyber Technology](#)

[Famous Faces](#)

[Famous Generals](#)

[Sports Jerseys](#)