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| topview |
| Release Notes |
| SFR Tool |

# Document History

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| --- | --- | --- | --- |
| Release Date | Tool version | Author | Description |
| 20240614 | NA | Yu.Chen | Add SFR Main Tool with draw ROI functionality and switch between Tele, Middle, and Wide end modes |
| 20240628 | V1.1 | Yu.Chen | 1. Fix wide/tele/middle buttons cannot work  2. Add SPD functionality and selective dropdown list for switching between different device types  3. ROI region will be deleted when changing zoom level or pressing AF button  4. ROI region can be re-edited  5. change from ffmpeg to opencv |
| 20240701 | V1.2 | Yu.Chen | 1. Fix AF button cannot work normally in SPD camera.  2. ROI region will not be deleted if pressing AF button. |
| 20240709 | V2.0 | Yu.Chen | 1. Use separate windows to fix OpenCV streaming delay issue  2. Fix streaming ratio issue |
| 20240717 | V2.1 | Yu.Chen | 1. SPD models default to manual mode  2. Add functionality to the ROI feature to determine if the user's drawn area corresponds to the top-left, top-right, or center  3. Add three types of thresholds. Values that do not meet the thresholds will be displayed in red. Determine pass or fail based on the thresholds  4. Add a counter and an Excel export function  5. Add an engineering mode  6. The resolution can dynamically adjust according to the web UI. |
| 20240722 | V2.2 | Yu.Chen | 1. Add a 'diff' column and implement a feature to display abnormal values that do not meet the threshold. |
| 20240723 | V2.3 | Yu.Chen | 1. Add a feature to save threshold values and automatically read the threshold file when the program is restarted next time. |
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## Release Notes

## 20240614

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| FW folder | /SWRD/firmware/neutral/production\_programs/SFRtool/20240614 |
| What’s New | Add SFR Main Tool |
| Fixed Issues | 1. draw ROI functionality and switch between Tele, Middle, and Wide end modes |
| Known Issues | OpenCV delay , may be more types of devices |
| Notes |  |

## 20240628 (compare with 20240614)

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| --- | --- |
| FW folder | /SWRD/firmware/neutral/production\_programs/SFRtool/20240628 |
| What’s New | 1. Add SPD functionality and selective dropdown list for switching between different device types  2. ROI region will be deleted when changing zoom level or pressing AF button  3. ROI region can be re-edited  4. change from ffmpeg to opencv |
| Fixed Issues | 1. Fix wide/tele/middle buttons cannot work |
| Known Issues | OpenCV delay |
| Notes | Version 1.1 |

## 20240701 (compare with 20240628)

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| --- | --- |
| FW folder | /SWRD/firmware/neutral/production\_programs/SFRtool/20240701 |
| What’s New |  |
| Fixed Issues | 1. Fix AF button cannot work normally in SPD camera.  2. ROI region will not be deleted if pressing AF button. |
| Known Issues | OpenCV delay |
| Notes | Version 1.2 |

## 20240709 (compare with 20240701)

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| --- | --- |
| FW folder | /SWRD/firmware/neutral/production\_programs/SFRtool/20240709 |
| What’s New |  |
| Fixed Issues | 1. Use separate windows to fix OpenCV streaming delay issue  2. Fix streaming ratio issue |
| Known Issues | No pass/fail criteria yet |
| Notes | Version 2.0 |

## 20240717 (compare with 20240709)

|  |  |
| --- | --- |
| FW folder | /SWRD/firmware/neutral/production\_programs/SFRtool/20240709 |
| What’s New |  |
| Fixed Issues | 1. SPD models default to manual mode  2. Add functionality to the ROI feature to determine if the user's drawn area corresponds to the top-left, top-right, or center  3. Add three types of thresholds. Values that do not meet the thresholds will be displayed in red. Determine pass or fail based on the thresholds  4. Add a counter and an Excel export function  5. Add an engineering mode  6. The resolution can dynamically adjust according to the web UI. |
| Known Issues |  |
| Notes | Version 2.1 |

## 20240722 (compare with 20240717)

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| --- | --- |
| FW folder | /SWRD/firmware/neutral/production\_programs/SFRtool/20240709 |
| What’s New |  |
| Fixed Issues | 1. Add a 'diff' column and implement a feature to display abnormal values that do not meet the threshold. |
| Known Issues |  |
| Notes | Version 2.2 |

## 20240723 (compare with 20240722)

|  |  |
| --- | --- |
| FW folder | /SWRD/firmware/neutral/production\_programs/SFRtool/20240709 |
| What’s New |  |
| Fixed Issues | 1. Add a feature to save threshold values and automatically read the threshold file when the program is restarted next time. |
| Known Issues |  |
| Notes | Version 2.3 |

## 20240729 (compare with 20240723)

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| --- | --- |
| FW folder | /SWRD/firmware/neutral/production\_programs/SFRtool/20240709 |
| What’s New |  |
| Fixed Issues | 1. Add encryption mechanism for config thresholds |
| Known Issues |  |
| Notes | Version 2.4 |