

## PrintWatch Release Notes

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The official Release Notes for the debut of PrintWatch.

### **1.0 PrintWatch 1.0.0 Release Notes**

The document formatted release notes for PrintWatch can be found [here](#).

### **1.1 Major Features**

The major features and their descriptions are listed below:

- **Print Defect Monitoring**: Machine Learning Computer Vision model-based defect detection in real-time
- **Printer Command Communication**: Communicate with OctoPrint compatible printers to send pause and temperature commands
- **Email Notification**: Notify users of failure via Email
- **Bounding-Box Image Feedback**: Add bounding-box around defects to the image included in Email Notification
- **Fleet Model Training**: Train the defect detection model using data samples from the fleet (only with user permission, look in settings)
- **Anomalous Printer Monitoring**: Using a variety of values, monitor which printers in your fleet are likely problematic. This is currently deployed server-side, not accessible to the user at the moment. This will be released to the user in a future release. See Future Features

### **1.2 Bug Fixes**

There are no known bug fixes.

### **1.3 Known Issues**

There are no known issues.

### **1.4 Future Features**

The major features planned for the next release are listed below:

- **MultiCam to Single-Frame**: Take two or more camera angles on a single printer and run them as a single printer instance.
- **Multi-region slicing to Single-Frame**: Highlight key areas in a single frame to stitch into one frame to run as a single printer instance.
- **Anomalous Printer Monitoring (Client-side)**: Monitor your fleet of printers using various data to receive real-time insights on the health of your fleet. This will be able to detect any problematic or anomalous printers. Currently running server-side for training and deployment integration.