## Service Definition

### What the Service Does

- Accepts video output from existing endoscopy systems including Olympus, Fujinon and Pentax
- Performs real-time AI analysis to identify clinically relevant features
- Overlays visual indicators such as bounding boxes, size categories and lesion type
- Produces structured procedure summary reports that can be exported

### Key Capabilities

- Real-time polyp detection with visual alerts to clinicians
- Exportable clinical reports
- FDA clearance and CE marking as a medical device
- Minimal workflow disruption and operation alongside standard endoscopy equipment

### Intended Users

- NHS trusts and hospitals with endoscopy suites
- Gastroenterologists and clinical teams seeking diagnostic decision support

### Service Inputs

- Live colonoscopy video feed from standard endoscope hardware

### Service Outputs

- Annotated real-time video output
- Post-procedure diagnostic report