Tech Brief

PRIME Reference Number: PRIME2021/TB7

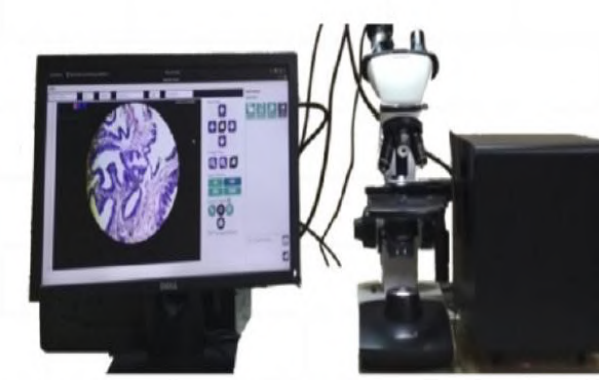
AN ASSISTIVE TELEPATHOLOGY DEVICE

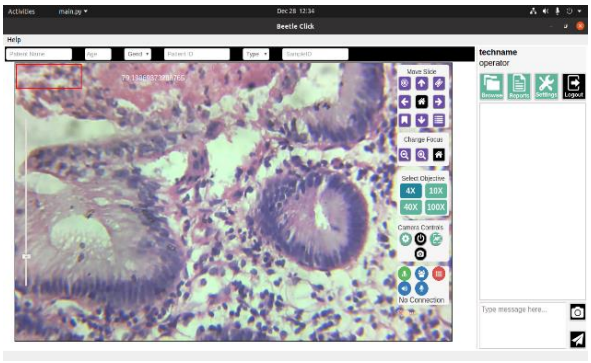
Domain: Diagnostics

Technology:
An assistive remote microscopy device, which can be fitted with any existing microscope and is operated through desktop computer system and a propriety application. This cost-effective remote access solution provides x-y-z directional movement with real time video-feed to one or more remote pathologists simultaneously. This device allows image annotation, report generation, voice and text interface, and is compatible with all operating system.

Technology Features:
- Low-cost, microscope agnostic device
- Ease of assembly, access, and interface
- Real-time, multi-user diagnosis with voice and text chat interface
- Image annotation and report preparation
- Proprietary software compatible with all OS

Applications:
- Pathology labs
- Hospitals with surgical oncology
- Educational and Research Institutions





Technology Status:
Product is ready and has been tested at different pathological labs with positive and encouraging feedback.

Value Proposition:
The global digital pathology market is projected to grow from USD 510 million in 2019 to USD 1,492 million by 2030 at a CAGR of 13.5%.

Market Potential:
COVID-19 has given boost to the need for this assistive telepathology device due to the following current market dynamics:

1. Increasing need for enhanced lab efficiency
2. Overcoming the restraints of high cost WSI and other digital pathology systems
3. Introducing an affordable solution for all pathology labs situated at any location
4. Bridging the gap between the supply and demand of trained pathologists

Requirements: Technology is for sale with option to consultancy services for further product development.

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