

## TELEPATHOLOGY MOBILE SYSTEM (TPM)

### TECHNICAL DATASHEET

TPM system (TPM) consists of a mobile-microscope attachment apparatus (VIMO) and an innovative mobile software application. TPM is an innovative ecosystem where real-time or scheduled consultations are carried out between specialists in pathology, surgery, hematology, cytology. The TPM system digitizes the image in the microscope and provides data storage and management.

1. TPM is able to work with existing (life science & medical type) microscope brands/models in the institution without any problem.
2. TPM also adapts to other microscope brands that may be taken to the institution in the long term and work without problems.
3. The apparatus (VIMO) that provides the image from the microscope moves on the 3-dimensional axis (X-Y-Z) and thus be able to focus and align.
4. TPM also has a web application. This web application works in widely used browsers (such as Chrome web browser).
5. TPM application can be used in Android and iOS mobile phones and tablets, which have these properties; touch screen, back camera at minimum 5MP resolution, and internet network connection minimum 4G / LTE.
6. The TPM requires Android 4.4 or later and iOS 10 or later.
7. TPM interface consists of Turkish and English language options.
8. Unless otherwise specified, TPM is accessible from anywhere by users. However, if requested by institutions, TPM is able to work only on the institution's internal network according to the need for use specified by the institution.
9. Anyone other than authorized users cannot log in to TPM.
10. Archived and/or shared information must be anonymous under the Personal Data Protection Act. In other words, the information received/given among pathologists, even for archived and/or diagnostic purposes, should not be qualified to disclose the patient's explicit and clear identity. In this context, the TPM system must have ISO / IEC 27001: 2013 Information Security Management System Certificate.
11. The user in the system is able to make real-time calls with the mobile and web application. This call supports simultaneous audio and video transfer.
12. Video, audio, or audio-video recordings are sent to one or more users in the system simultaneously.
13. Files are able to archive through TPM, recalled and displayed when needed.
14. In the system, patient information is recorded only with the barcode number on the glass slide without including name/surname and no information to disclose the patient's identity. The identity of the patient should not be disclosed under Article-10 of this technical specification.
15. TPM supports the ability to draw annotations on the digital slide images and video records and also supports to add notes to the annotated fields.
16. TPM has screens for users to determine their area of specialization.
17. Users are able to see all the experts in the TPM ecosystem and use it for consultation with another user who has gotten the application personally.
18. Users are able to see the activity status of other users in the system before the consultation.
19. Each user is able to identify his or her patient from the number on the slide under the Personal Data Protection Legislation and Information Security Legislation.
20. Each user is able to access his/her files both on the web and mobile.
21. In the TPM, consultations are categorized separately as incoming, outgoing (sent) and past consultations.

TMP Technical Datasheet

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