

API 2 - APPLICATION PROGRAMMING INTERFACE 2

Write your own programs to retrieve Tekscan Data!

Tekscan's API 2 program provides building blocks and tools so third-party application programs can call Tekscan pressure data. Data is retrievable continuously and in real-time as a frame or a series of frames. The data is available in the units set in the Tekscan program: raw, equilibrated, or calibrated. The result is real-time access to array data.

Main Functions:

- Client program can request the current frame of pressure data as calibrated or uncalibrated 8-bit data array or as a bitmap image
- Client can request callbacks for constant transmission of real-time data

Other Auxiliary Functions:

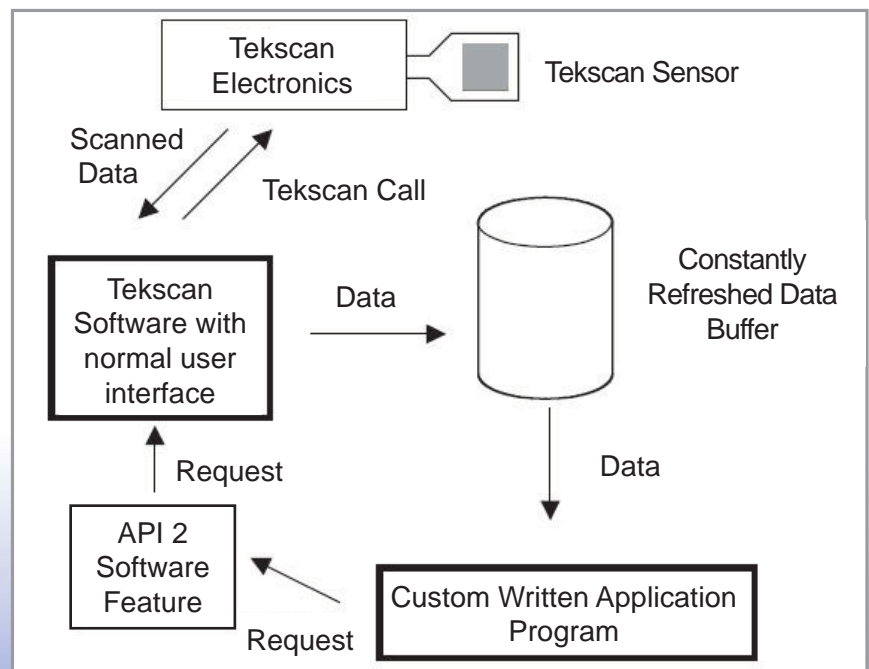
- Transfer the names of the open real-time pressure windows (the real-time views)
- Transfer the units of distance, area, force, and pressure
- Transfer the area of the open, real-time window's "pressure view" in pixels
- Transfer the physical size of each pixel in the "pressure view"

Compatibility:

- Tekscan Software Version 5.0 or higher
- Compatible with all Tekscan Systems except *Mobile*, *I-Scan Handheld*, *CONFORMat Handheld*, and *I-Scan Lite*
- Please see Tekscan's Computer Requirements.

The Tekscan scanning electronics, sensor, and software continue to operate normally. The full set of Tekscan software functions, such as sensor equilibration, calibration, mask/editing functions, threshold, and tare, are available. These functions can be used to preprocess the sensor data that will be called by the application and to set-up the scanning electronics and sensor data-acquisition parameters. API 2, data from the Tekscan sensor can be sent to and stored in a data buffer and this data can be called and used directly by other applications in engineering units or in an image format.

The Tekscan software and application communicate with each other locally via the Microsoft COM protocol. Data can also be accessed remotely from a PC across a LAN or WAN using Microsoft DCOM.



API 2 Block Diagram

CALL TODAY FOR A DEMONSTRATION!

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