

FAQ - ZEISS Essential Line Connectivity

For Developers



No.	Question	Answer
1	What kind of web service is used by the ZEISS Essential Line?	Data is exchanged via the SOAP web service. A corresponding WSDL file is offered by the device. Alternatively, it can be downloaded from the Download area.
2	What format is supported by the ZEISS Essential Line devices?	<p>Refractive data is serialized into ZEISS XML format. An XSD file is also available for deserialization into the corresponding data objects. Serial devices in the ZEISS Essential Line product portfolio offer direct data access in the ZEISS serial proprietary format, which is also available from the Download area.</p> <p>A DICOM interface enables data exchange with respect to the DICOM modalities: AR for autorefraction, LEN for lensometry including private extension for transmittance measurements, IOP for intraocular pressure as raw data, KER for keratometry readings and SRF for subjective refraction including private extension for visual acuity measurements.</p>
3	What are the supported user flows?	<p>The ZEISS Essential Line connectivity solution supports patient demographics to be preloaded to the device via the DICOM interface as a modality worklist, and via the SOAP web service as a patient list. Using the DICOM patient root query, patient demographics can be searched in the device but not altered.</p> <p>Preloading of measurements to a listed patient speeding up VISUPHOR 500 refractive workflow is supported. Preloading of anonymous measurements is not supported. Storage of measurements is supported by all Essential Line devices.</p>
4	How many serial ZEISS Essential Line devices can be connected to the ZEISS VISUCONNECT 500?	The ZEISS VISUCONNECT 500 allows unlimited connections of serial Essential Line devices. Hence, serial interfaces of the VISUREF 100, VISULENS 500, and VISUPLAN 500 from ZEISS are clustered in one networked interface.
5	Can XML files be accessed without using a web service as a transport layer?	No. The XML files are only accessible via the SOAP web service. Data exchange via shared folders is not yet supported.

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