

# entervo Workstation (Java)

## Specification of Minimum Requirements for Hard- and Software

The technical requirements for entervo workstations specified below are based on our practical experiences with numerous tests and customer installations.

Customer-specific systems may require an increase in hardware performance or alternative versions of the browser or Java.



| TECHNICAL SPECIFICATIONS  | Workstation without CCTV  | Workstation with CCTV   |
|---------------------------|---|---|
| <b>CPU:</b>               | <ul style="list-style-type: none"> <li>Minimum: Celeron G540 / 2,5 GHz or a comparable processor (recommendation: Dual Core CPU 2,4 GHz)</li> </ul>   | <ul style="list-style-type: none"> <li>Minimum: Intel® Core™ i3-4330 / 3,5 GHz</li> </ul>   |
| <b>Memory:</b>            | <ul style="list-style-type: none"> <li>Minimum: 4 GB RAM</li> <li>Note: The specified RAM refers to a workstation which is used for entervo applications only. If further applications (e.g., MS Office or image processing software) run in parallel, the required RAM is increased correspondingly. As a rule, a minimum of 1 GB RAM should be reserved for the execution of Java-based entervo applications.</li> </ul>  | <ul style="list-style-type: none"> <li>Minimum: 16 GB RAM</li> </ul>  |
| <b>Screen Resolution:</b> | <ul style="list-style-type: none"> <li>At least 1440 x 900 (16:10 or 16:9)</li> </ul>   |   |
| <b>Graphics adapter:</b>  | <ul style="list-style-type: none"> <li>Standard</li> </ul>  | <ul style="list-style-type: none"> <li>Minimum: Intel HD Graphics 4600</li> </ul>   |
| <b>Browser:</b>           | <ul style="list-style-type: none"> <li>Minimum: Windows Internet Explorer 6</li> <li>32-bit browser only</li> <li>Note: entervo versions prior to V2R4 are started via Java browser plug-in. Browsers that no longer support Java plug-ins (Microsoft Edge, Mozilla Firefox from version 52 or Google Chrome from version 45) cannot be used. From entervo V2R4 onwards, however, you can run entervo without any browser using Java Webstart.</li> <li>As of entervo V2R4, Java Web Start can be used independently of the browser version.</li> </ul> | <ul style="list-style-type: none"> <li>With Geutebrück Multiscope: Windows Internet Explorer 11 (32-bit only)</li> <li>With Geutebrück G-Scope/GeViScope: No use in browser but only via Java Web Start in combination with 64-bit Java JRE</li> </ul>  |
| <b>Java Version:</b>      | <ul style="list-style-type: none"> <li>32-bit only</li> <li>entervo prior to V2R3: JRE-6<br/>Attention: JRE-6 is no longer supported by Internet Explorer 11! Internet Explorer up to version 10 can be used.</li> <li>entervo from V2R3: JRE-6 or higher</li> </ul>  | <ul style="list-style-type: none"> <li>With Geutebrück Multiscope: <ul style="list-style-type: none"> <li>32-bit only</li> <li>entervo from V2R3: JRE-6 or higher</li> </ul> </li> <li>entervo prior to V2R3: JRE-6<br/>Attention: JRE-6 is no longer supported by Internet Explorer 11! Internet Explorer up to version 10 can be used.</li> <li>With Geutebrück G-Scope/GeViScope: <ul style="list-style-type: none"> <li>64-bit only</li> <li>JRE-8 or higher</li> </ul> </li> </ul> |
| <b>Java Parameter:</b>    | <ul style="list-style-type: none"> <li>Xmx384M (for Internet Explorer 6 only)</li> <li>Xmx1024M (newer than Internet Explorer 6)</li> <li>Djava.net.preferIPv4Stack=true (only for Microsoft® Windows Vista®, Microsoft® Windows 7®, Microsoft® Windows 10® and, if IPv6 Stack is activated, also for Microsoft® Windows XP®)</li> </ul>  |   |
| <b>Operating System:</b>  | <ul style="list-style-type: none"> <li>Windows 7 or higher</li> <li>32-bit or 64-bit</li> </ul>   | <ul style="list-style-type: none"> <li>With Geutebrück Multiscope: 32-bit or 64-bit</li> <li>With Geutebrück G-Scope/GeViScope: 64-bit only</li> </ul>  |

File name: ENTERVO-P\_DATA\_entervo-Parking-Workstation\_8693400\_b\_0\_en\_GB.pdf //Illustrations and descriptions may also include special options.