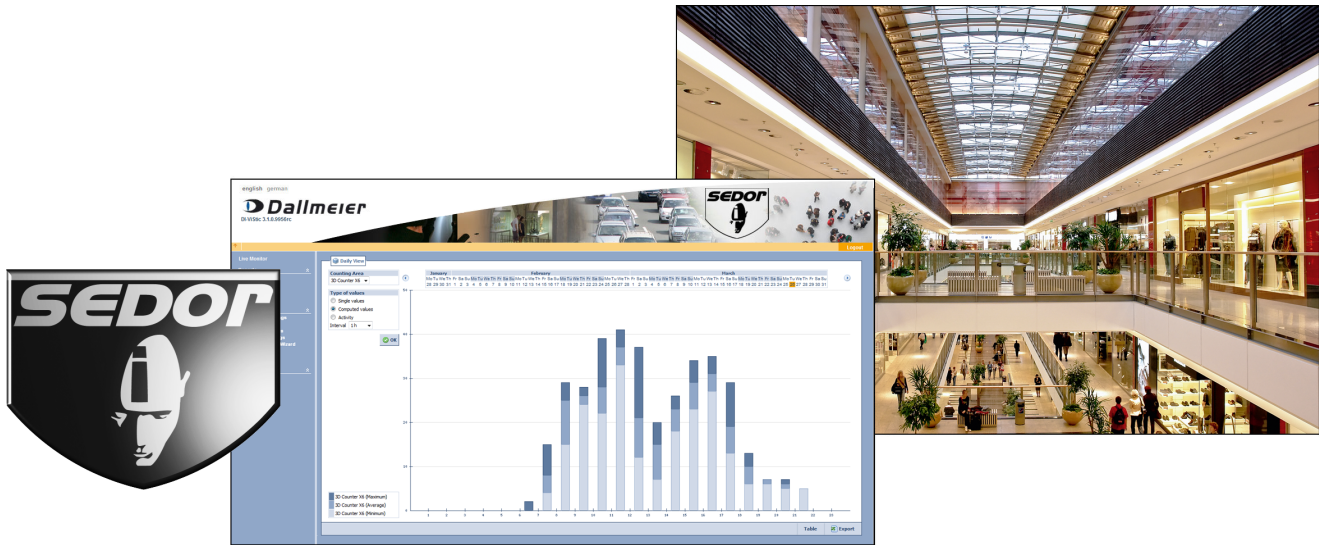


SEDOR® 3D People Counting

Application for the Automated Counting of People, with 3D Stereo Technology

SEDOR® is a high-performance and self-learning video analysis system which provides outstanding analytical results due to state-of-the-art image analysis algorithms and the constant adjustment of the system parameters to the current surrounding conditions (auto-adaptation). If used together with the different **applications**, it can serve a variety of surveillance and counting purposes.



SEDOR® 3D People Counting is an application for the **DVS Analysis Server** and **DVS People Counting Server** software particularly designed for the counting of people in indoor areas. In combination with the 3D stereo sensors **3D People Counter X4** and **3D People Counter X6**, the application is able to analyze height profiles and, thus, count people extremely reliable. The dedicated and qualified server hard- and software are configured with the user interface **SEDOR® WebGUI**. In addition, the optionally available analysis and display module **SEDOR® DiViStic** allows for an integration of multiple counting sites and a graphical or tabular representation of the individual counting events.

Features SEDOR® 3D People Counting

- Counting of people in indoor areas with consistent lighting conditions
- Application of video-based 3D stereo technology
- Excellent counting accuracy
- Analysis of definable height profiles
- Freely editable counting lines (counting event triggered when crossed)
- Bidirectional people counting with definable counting lines
- Counting with **3D stereo sensors**
- Full IP system
- Configuration via browser interface
- Display and analysis with **SEDOR® DiViStic**

Features SEDOR® DiViStic

- User interface for the display and analysis of the counting results of up to 8 counting applications or devices
- Online display of the current counter readings and constant compact desktop view (live display individually configurable)
- Evaluation of the results for areas with multiple entrances
- Limit monitoring: relay switching triggered by threshold value exceedances (optional)
- Time-controlled activation or deactivation (armed/disarmed) of the counting process
- Long-term archiving of the counting results in a SQL database
- Analysis and display of the counting results in graphical or tabular form (diagram/reports)
- Calculation of minimum, maximum and average values
- Export of the counting events as Excel sheet (with date, time, counter readings)

Range of Application

- Counting of customers entering/leaving retail areas (shopping malls, shopping centers)
- Counting of visitors in museums, at exhibitions or trade shows
- Counting of passengers (airport terminals)
- Ensuring compliance with occupancy limits in public buildings
- Data collection for measuring the performance of marketing campaigns
- Optimizing the number of open service counters
- Determination of turnaround times in passenger traffic
- Customer frequency/visitor flow analysis to optimize the deployment of staff (workforce management)

Event Messages

- Limit value exceedance (prewarning threshold)¹⁾
- Limit value exceedance (danger threshold)¹⁾

Licenses DVS Server Software

004192	DLC - SEDOR® 3D Counting License for the use of the software interface for the connection of an Ethernet 3D People Counter for one channel
004137	DLC - SEDOR® DiViStic License for the use of the module to display the results of up to 8 counting applications or devices

1) Limit value exceedances are processed with the functions of SEDOR® Event Matrix.

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Options DVS Server Software	
004177	DVS Analysis Server SEDOR® video analysis server software, up to 24 IP channels, licenses for analysis and recording optional
Options Relays	
001739	Remote Ethernet I/O Interface²⁾ Ethernet I/O Interface, 2× Ethernet, 6× relay (Moxa E1214)
000595	DLC - SEDOR® Event Matrix License for the use of the software interface for the connection of Ethernet I/O Interfaces
Options DVS Server Hardware	
004440	DVS 2500 SEDOR® video analysis server software preloaded on DVS Analysis Server hardware (HP ProLiant DL385p G8), up to 24× IP-based channels, licenses for analysis and recording optional
004781	DVS 1600 II IPS SEDOR® video analysis server software preloaded on DVS Analysis Server appliance, up to 24× IP-based channels, supports up to 8× analysis and 24× recording, without HDDs
004780.401	DVS 1600 II SEDOR® video analysis server software preloaded on DVS Analysis Server appliance, 8× analog channels, supports up to 8× analysis and 8× recording, without HDDs
004780.402	DVS 1600 II SEDOR® video analysis server software preloaded on DVS Analysis Server appliance, 16× analog channels, supports up to 16× analysis and 16× recording, without HDDs
Options 3D Stereo Sensors	
004130	3D People Counter X6-PoE³⁾ Ethernet 3D People Counter X6 installation height 2.5–6 m
004131	3D People Counter X6³⁾ Ethernet 3D People Counter X6 installation height 2.5–6 m
004139	3D People Counter X4 Kit³⁾ Ethernet 3D People Counter X4 installation height 2.2–4 m, cable and power supply unit included

2) License 000595 required.
3) License 004192 required.