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CCTVCAD - VIDEOCAD SOFTWARE

CCTVCAD have since released version 3.01, this is a free upgrade and has improved features.

This package is step in the right direction for security system designers and installers. The costs and training involved in using a full CAD package are unthinkable for smaller companies and this well priced software package goes a long way in bridging that gap.

We have played with the software and recommend reading the help documents before starting, the user-interface is relatively easy to master and after an hour or so we were designing a CCTV system. We feel there should be some sample designs included in the demo, this would of helped us get an early overview of the package and of what could be achieved.

The cost for a one user license is very good and CCTVCAD are continually looking to improve this package. We recommend trying the demo and if it works for you then buy a license. We hope to see more from CCTVCAD in the future, there plenty of scope for a company like this.

The features of this package include -

- · Choose the most suitable lenses, heights and locations for camera installation to provide the required parameters of view areas, detect and identify a person, read license plates out and obtain an object image of required size on a display using the known actual sizes and location of an object.
- · Choose visually a relative location of cameras using CAD interface in the graphics window.
- · Calculate the horizontal projection sizes of viewing, person detecting, identifying and license plate reading-out areas to draw them on the object plan.
- · Measure the view area distortions, arising from natural obstacles.
- · Calculate the object image size on a display in a camera view area in the percentage of display size, pixels, TV lines and millimeters.
- · Obtain a drawing containing two projections of object layout with the camera images, calculated view areas and cables, and with coordinate grid and text to be pasted into explanatory notes as an illustration as well.
- · Obtain a text file with full description of all the cameras in project, view areas and cables to be pasted into a project explanatory note or used as an instruction on installation.
- · Study the influence of the criteria of person detection, identification and license plate reading-out on the sizes and location of the correspondent areas by changing the criteria according to the video image quality obtained.
- · Study the principles of object representation in different view area parts using test object and graphics window.
- · Calculate the length and electric parameters of cables.
- · Spare the means and win tenders due to the reduction of cameras' quantity in projects and the increase of their efficiency.
- · Reduce the time expended and boost the design quality.
- · Cut down the amount of controversial situations with customers and accelerate their solution.
- · Calculate a view area horizontal projection according to the lens focal length, image sensor format, camera installation height, the required minimal and maximal heights and the maximal range of surveillance.
- · Calculate the horizontal projections of the person detection, identification and license plate reading-out areas according to the lens focal length, image sensor format, camera installation height, the required maximal height and range of surveillance and the additionally assigned criteria, depending on a quality level of video image.
- · Determine a full or partial object hitting in the view area and calculate an object size on a display in percentage of a display size, pixels, TV lines and millimeters at the known sizes of a display using the actual object sizes, height above the ground and camera location distance.
- · Calculate a camera angle according to the required maximal viewing range and height, lens and camera matrix parameters as well. Thus, there's no need for a designer to compute it beforehand.
- · Display the view area actual image enabling to measure any parameters at any point using the graphics window.
- · Save the actual view area image in graphical format.
- · Create, save and load projects containing up to 100 cameras and up to 10 layouts.
- · Export projects into text files.
- · Keep the database of the person detection, identification and license plate reading-out criteria, depending on a quality level of video image.
- · Calculate automatically the length and electrical parameters of cable.
- · Since the version VideoCAD 2.0 the CAD interface is used in the graphics window.

- · A demo version can be downloaded from the web site, try before you buy - VideoCADdemo.zip

For more information please contact tsp@thesecurityprofessional.co.uk

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