

Lund, February 5, 2013

Axis introduces interactive camera visualization content in 3D for Autodesk Revit

The innovative Axis Camera Families for Autodesk® Revit® provides 3D camera models to illustrate what the camera set-up will look like in real life and which areas the surveillance system will cover once installed. The 3D models are specifically made for security system designers when designing surveillance systems directly in Autodesk® Revit® 3D CAD building layouts.

Axis Communications, the world leader in network video, today launches a strong addition to its offer of tools for security system designers. The camera models in Axis Camera Families include detailed metadata required for Building Information Modeling (BIM). The 3D models will also let security system designers interactively visualize camera coverage to help them select the right camera model and optimize the system layout.

“Security should be an integral part of the design process of any new large building,” explains Peter Friberg, Director of System and Services, Axis Communications. “To achieve the best level of security and avoid blind spots that could potentially become a security issue, security systems need to be planned at the same time as other essential services such as electricity and plumbing.”

With the new 3D models in Axis Camera Families, security system designers can place Axis Network Cameras directly into CAD building plans and visualize the areas the cameras will cover. The software allows them to see exactly how the cameras fit into the building layout and to easily detect if views are obstructed by columns or walls, to help reduce unexpected blind spots. This means security system planning can now be completed as an integrated part of the building design, integrating into the same tool flow that is used for the rest of the building design. Users of the CAD system can also access information about each camera such as the model number, mounting accessories, power consumption and resolution. See video tutorial

Todd Kotlaba, Associate & Systems Project Manager at TLC Engineering for Architecture, received an early release of Axis Camera Families: “We have used Axis Camera Families in CCTV designs for our clients. The true 3D model of the camera provides us with the ability to run clash detection and conflict avoidance simulation with other building systems such as mechanical, electrical and plumbing, to avoid routing conflicts and obstructions to the camera’s intended field of view. Axis Camera Families is also extremely helpful for our clients that often cannot visualize what will be seen when construction is complete. The information also identifies pixels per foot for the camera selected which helps meet our client’s expectation for the quality of the viewable image and recording resolution.”

Building Information Modeling is a concept where all components in a building, such as walls, doors, plumbing etc., are included in a CAD database, giving a complete picture of every detail

included in the design. This database is then not only used in planning and erecting the building, but also throughout the entire lifespan of the building to plan building maintenance and management.

The Axis Camera Families for Autodesk® Revit® are available today free of charge for existing Axis Partners. The vast majority of Axis Network Cameras are included.

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About Axis Communications

As the market leader in network video, Axis is leading the way to a smarter, safer, more secure world — driving the shift from analog to digital video surveillance. Offering network video solutions for professional installations, Axis' products and solutions are based on an innovative, open technology platform.

Axis has more than 1,000 dedicated employees in 40 locations around the world and cooperates with partners covering 179 countries. Founded in 1984, Axis is a Sweden-based IT company listed on NASDAQ OMX Stockholm under the ticker AXIS. For more information about Axis, please visit our website www.axis.com.

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