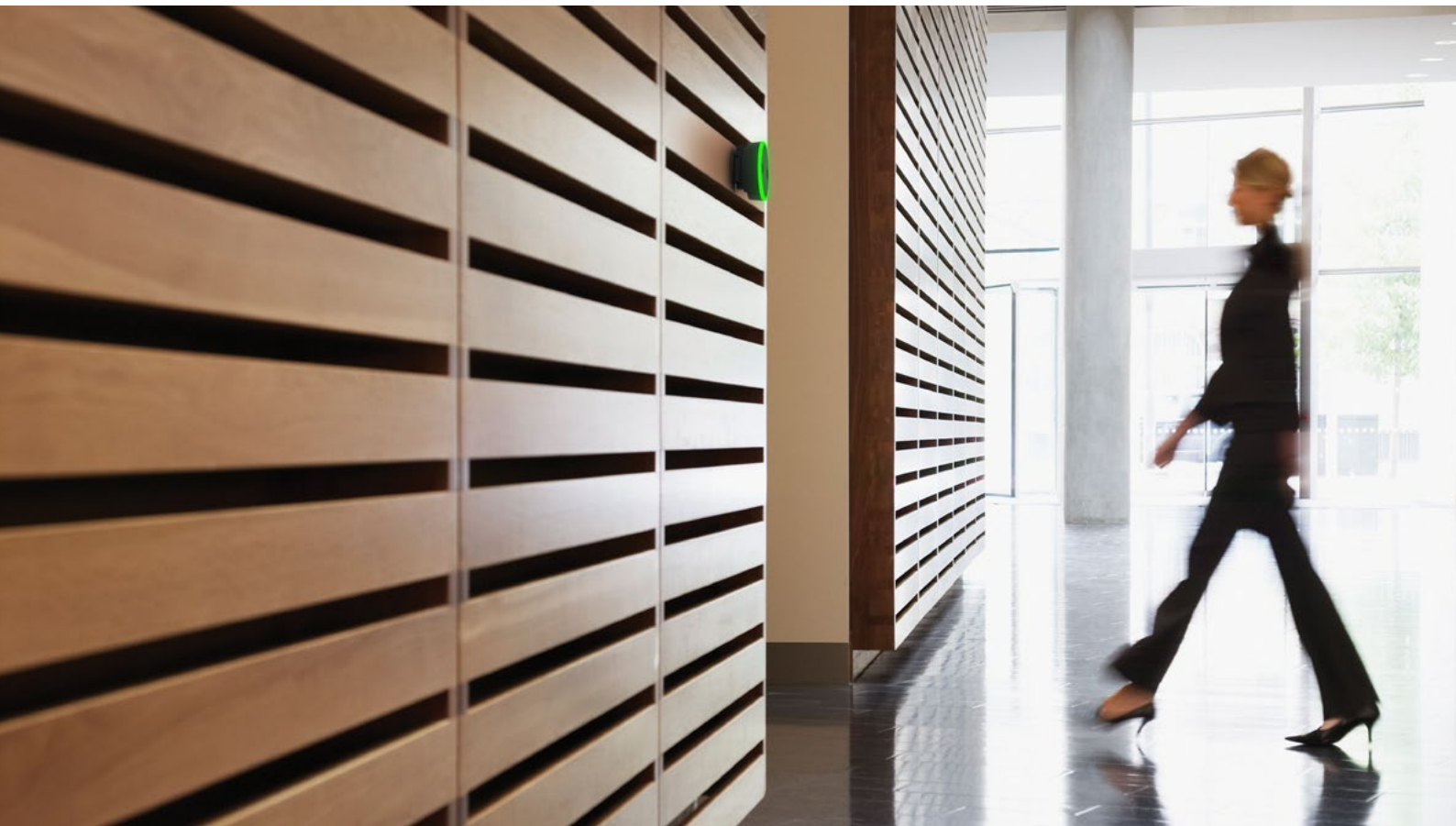


tyco | Software House

Intelligent frictionless access



Illustra Insight - Insightful movement of people in buildings, places and spaces

The power behind **your mission**

Johnson
Controls 



Insightful movement of people in buildings, places and spaces

The Illustra Insight combines the quality surveillance of a leading-edge facial recognition camera integrated with the powerful Software House C-CURE 9000 security and event management solution. Engineered with deep learning algorithms and cybersecurity protocols the device is designed to create a frictionless, unobtrusive experience for all.

- Enhanced facial detection
- Improved flow of users with unobtrusive, frictionless and secure access control
- Anti-spoofing liveness detection solution that eliminates the risk of spoofing via a photographic image
- Cybersecurity protection with no data held in the camera
- Identify tailgating in high security areas*
- Authentication via QR codes for pre-registration of user access*
- Personalized language greeting for unique user experience
- Integrated with C-CURE 9000 access control solution

Industry-leading facial recognition

Illustra Insight utilizes two imagers to create a 3D facial topology that can quickly distinguish between an actual human and a picture of a human. This greatly increases accuracy, while reducing false positives.

The wider field of view achieved by building the sensor into a camera allows faces to be detected at varying heights and locations within the field of view.

The dual-lens increases the accuracy of authentication and helps reduce unwanted personnel accessing restricted areas.

Comprehensive access control integration

Designed for seamless integration with C-CURE 9000 for template enrollment, distribution and management.

Field integration to iSTAR controllers can be done either through Wiegand or *OSDP Secure Channel.



*In future release

World class design and innovation

1. Access control integration

Designed for seamless integration with Software House C-CURE 9000.

Illustra Insight can be interconnected via traditional and modern wiring protocols into C-CURE 9000 with on-board Wiegand and *OSDP.

2. Tyco AI

Tyco AI, an ever-evolving, deep learning solution that is infusing Artificial Intelligence into the Tyco security technology portfolio.

3. Secure communications

Propriety protocols are used to ensure secure communications between the Illustra Insight camera and control unit. No data is held in the camera.

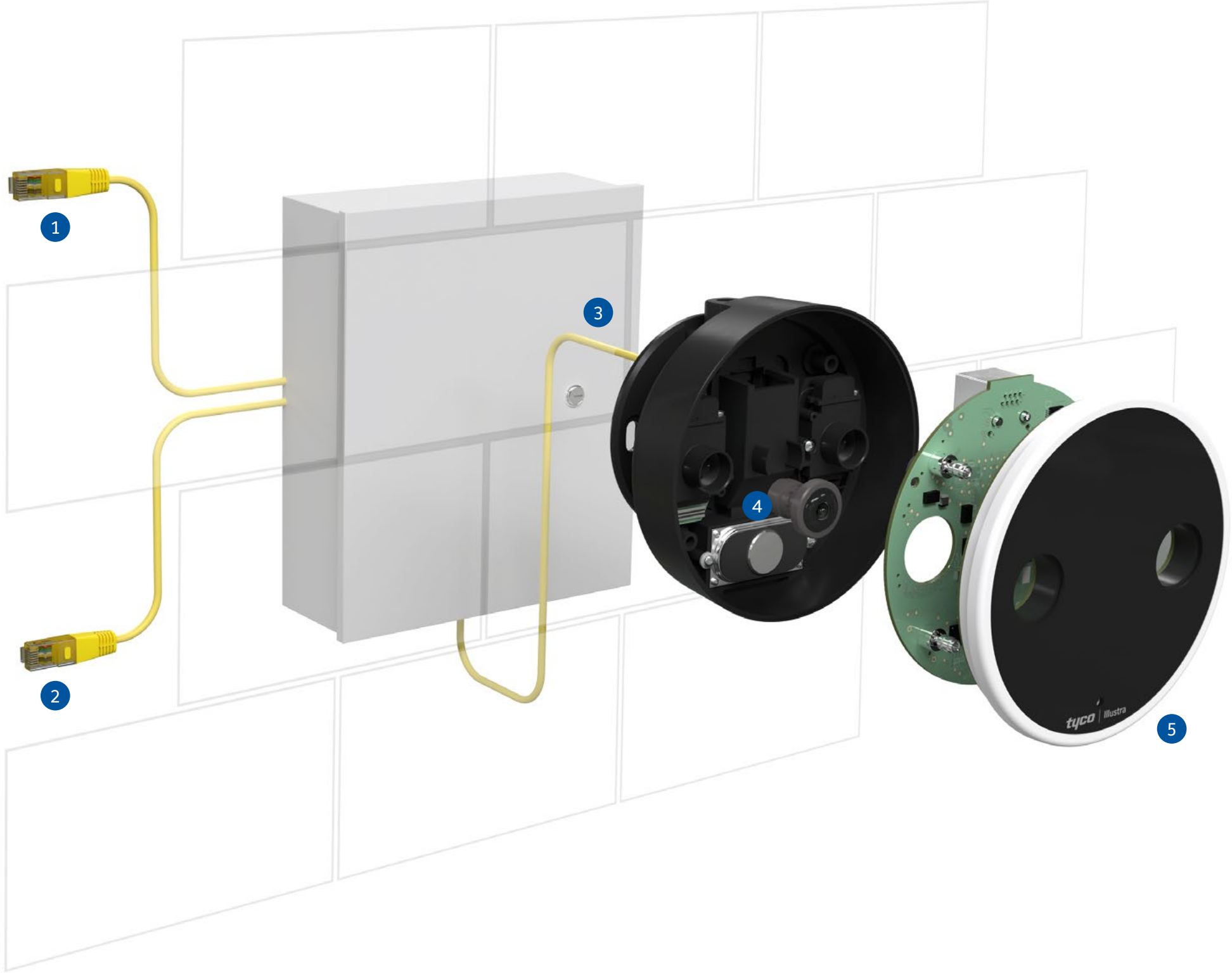
4. Twin cameras

Illustra Insight utilizes two imagers to create a 3D facial topology that can quickly distinguish between an actual human and a picture of a human, greatly increasing accuracy, while reducing false positives.

Illustra Insight can be configured to enable access via a QR code credential that can be presented to Illustra Insight in place of a facial biometric. This ensures access can be provided to visitors and users that have not yet had their facial biometric registered on the system.*

5. Intuitive visual and multilingual audio feedback

Integrated LEDs combined with "Welcome/Deny" audio ensure visitors and employees instantly know if they can enter an area. Audio messages can be configured in a number of languages for a personalized and improved user experience.



Enabled by Tyco AI



Illustra Insight utilizes Tyco AI artificial intelligence to enhance the best-in-class video surveillance and Tyco Software House G-CURE 9000. Tyco AI is a cerebral engine that goes beyond surveillance and access to enhance a security ecosystem. Tyco AI technologies utilized within Illustra Insight include:

- Enhanced facial detection including an anti-spoofing liveness solution that eliminates the risk of card passback or spoofing via a photographic image

Flexible deployment

While Tyco Software House offers a complete frictionless access solution, enabled by Tyco AI, we designed our solution with flexibility in mind. Our first release leverages facial recognition but we are exploring other biometric options for future releases.

We also welcome co-development efforts with partners who have custom AI needs. For example, we are collaborating with Microsoft® to deliver Illustra Insight with Microsoft Azure AI.

Cybersecure

Our Product Security Program: Firmly Established. Always Evolving.

Johnson Controls products and solutions are created in a culture focused on cyber resilience and are deployed with dedicated support. Our customers benefit from our proven approach:

- Consistent, organization-wide focus
- Time-tested policies and practices
- Global knowledge base
- Support from design through deployment and beyond
- Continuing investment to meet ever-evolving challenges and needs

Insight in every market



Aviation

Airports pose a particular challenge, in that they must provide the highest levels of security while ensuring smooth, comfortable transit for staff and passengers. This is made even more difficult by the sheer number of staff and subcontractors on-site at any one time.

Illustra Insight can enable frictionless access to restricted areas using dual authentication. This makes for easy movement for credentialed personnel with no drop in security. When you build in facial recognition, you are looking at an enhanced identity management and security setup.

It also pays to consider the customer experience benefits. For example, you could register your First Class guests so they get easy access to their VIP lounges without the need for cards or other physical tokens.



Corporate

Illustra Insight is also built to meet the challenges of human traffic through office buildings. You can throw an extra ring of security around sensitive areas – such as boardrooms or research labs – and add dual authentication to ensure bad actors are quickly stopped.

In terms of hygiene and sheer usability, contactless access control makes for a better experience for your people. They do not have to carry cards or take the time to go through card reading and/or fingerprinting – facial recognition does it in the blink of an eye.

It also allows you to tighten up on visitor management – there is no risk of temporary access cards being misused or stolen if you are not handing these out to visitors or contractors. This can cut your risk significantly.



Healthcare

Hygiene is important everywhere, but is perhaps most crucial in healthcare environments. Frictionless access maintains hygiene levels and creates a seamless, smooth experience for medical professionals who – of all people – do not have time to waste.

You can also use Illustra Insight to protect highly sensitive areas, such as restricted drugs cabinets, operating theatres, and other private staff spaces. Operating rooms are particularly important to protect and this solution means all the essential people can get easy access while security is maintained.

For infection management, access control this adaptable means it is simple to lock off certain areas to prevent the risk of cross-contamination.



Gaming

With the amount of money that will be on the premises of gaming establishments, a simple single-authentication system could represent an intolerable risk.

The more layers of security you build, the more peace of mind you will enjoy. Add dual authentication with biometric or facial recognition for quick, secure access control with almost 100 percent accuracy.

The Illustra Insight solution can also be used to enable (or disable) access to special staff areas and/or VIP areas, such as private gaming rooms.

Let your guests do the gambling – do not take risks with your security.

About Johnson Controls

At Johnson Controls, we transform the environments where people live, work, learn and play. From optimising building performance to improving safety and enhancing comfort, we drive the outcomes that matter most. We deliver our promise in industries such as healthcare, education, data centers and manufacturing. With a global team of 105,000 experts in more than 150 countries and over 130 years of innovation, we are the power behind our customers' mission. Our leading portfolio of building technology and solutions includes some of the most trusted names in the industry, such as Tyco®, York®, Metasys®, Ruskin®, Titus®, Frick®, Penn®, Sabroe®, Simplex®, Ansul® and Grinnell®.

For additional information, please visit www.johnsoncontrols.com or follow us [@johnsoncontrols](https://twitter.com/johnsoncontrols) on Twitter.

6 Technology Park Drive, Westford, MA 01886

T: +1 978 577 4000

www.swhouse.com

© 2020 Johnson Controls. All Rights Reserved.