Computar® Introduces the "i-CS Lens Technology", the Industry's First "Intelligence to Interact" CS Mount Lens.

The intelligent i-CS lens features open protocol technology allowing it to directly exchange information with the new high-end fixed cameras. The i-CS lens combines high performance optics with quick & easy installation and intuitive configuration.

Computar®, the Japanese leading lens manufacturer operated by CBC group, has launched new concept CS mount varifocal lenses, AG3Z2812TCS-MPWIR (1/2.7" f=2.8-8.5mm, F1.2, IR corrected lens capable of 8MP sensor) and EG3Z3915TCS-MPWIR (1/1.8" f=3.9-10mm, F1.5, IR corrected lens capable of 12MP sensor) integrated with its newly developed "i-CS lens technology". This latest "Intelligent to Interact" technology is based on an open protocol standard as the result of a joint development between Computar® and Axis Communications AB.

*Computar's new **AG3Z2812TCS-MPWIR** & **EG3Z3915TCS-MPWIR** i-CS Lenses feature the latest i-CS lens technology.*

"Normally, CS mount varifocal lenses require the user to manually fine-tune the zoom and focus. The new i-CS lens has stepping motors inside allowing the zoom, accurate focus and P-Iris control to be remotely adjusted for easy installation at high resolution surveillance." According to Mr. Takuya Ogawa, Director of Product Development, Computar®. *"The advantages of the i-CS lens are not limited to easy installation. The i-CS lens stores specific information in built-in memory and can exchange information with the camera through a cable using the I^2C protocol."*

The "i-CS" compatible camera has the ability to call up "lens-specific information" on demand delivering the optimal video quality and application specific functions for the selected video surveillance environment. "i-CS lens technology" optimizes the optical performance by integrating a variety of new features including; distortion correction, the ability to focus and zoom simultaneously, reproducing same lens setting, re-adjusting focus when temperature changes and displaying the present focal length.

i-CS lens contains :
- Lens type, identification
- Present position for zoom, focus and iris
- Tracking curves relation between focal length and focus position
- Change in distortion by focal length
- Change in peripheral illumination by focal length
- Change in the F-stop value by focal length and iris position
- Change in resolution by focal length and iris position

- Change in focus shift in the visible / IR light by focal length
- Operating environment temperature of lens
- Change in focus shift by temperature
- Accurate flange back position
- Additional intelligent features

The "i-CS lens" can fulfill its functions only when it's combined with "i-CS" lens compatible camera. Accordingly, Computar® developed "i-CS" communication protocol and its dedicated connector plug with Axis Communications. Computar® and Axis disclose these specifications of "i-CS" protocol and connector plug to other makers, in order to standardize them and generalize this new technology to the world wide video market.

AG3Z2812TCS-MPWIR and EG3Z3915TCS-MPWIR are the first models in a series of i-CS lens as Computar® intelligent lens.

For more information, please visit: https://www.cbc.co.jp/en/contact/

About Computar®

Beginning in the 1970s, Computar®, operated by the CBC Group, has set the pace, pioneering new and innovative lenses that out-class the competition at every turn. With a solid foundation based on Japanese engineering and agile production facilities spanning the globe, we operate under a dual mandate to create the highest-quality optics product. For more information about Computar®, please visit website www.computar.com