



Intelligent Video Surveillance: Systems and Technology

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From the streets of London to subway stations in New York City, hundreds of thousands of surveillance cameras ubiquitously collect hundreds of thousands of videos, often running 24/7. How can such vast volumes of video data be stored, analyzed, indexed, and searched? How can advanced video analysis and systems autonomously recognize people and detect targeted activities real-time? Collating and presenting the latest information **Intelligent Video Surveillance: Systems and Technology** explores these issues, from fundamentals principle to algorithmic design and system implementation.

An Integrated discussion of key research and applications

Written and edited by a collection of industry experts, the book presents state-of-the-art technologies and systems in intelligent video surveillance. The book integrates key research, design, and implementation themes of intelligent video surveillance systems and technology into one comprehensive reference. The chapters cover the computational principles behind the technologies and systems and include system implementation issues as well as examples of successful applications of these technologies.

Builds a foundation for future developments

Changing appearance caused by changing viewpoints, illumination, expression, and movement, self/cross body occlusion, modeling of cluttered background capable of efficient background subtraction for object detection, and spatial and temporal alignment of multiple cameras are just a few of the challenges that remain in further developing and refining intelligent video surveillance technology and systems. Fully illustrated with line art, tables, and photographs demonstrating the collected video and results obtained using the related algorithms, including a color plate section, the book provides a high-level blueprint for advances and insights into future directions of the field.

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Eric Bass:

A lot of people always spent their own free time to vacation as well as go to the outside with them household or their friend. Did you know? Many a lot of people spent they will free time just watching TV, or perhaps playing video games all day long. In order to try to find a new activity here is look different you can read a new book. It is really fun for you personally. If you enjoy the book that you just read you can spent 24 hours a day to reading a book. The book Intelligent Video Surveillance: Systems and Technology it is extremely good to read. There are a lot of folks that recommended this book. They were enjoying reading this book. In case you did not have enough space to bring this book you can buy typically the e-book. You can m0ore very easily to read this book through your smart phone. The price is not too costly but this book has high quality.

Natalia Burton:

Intelligent Video Surveillance: Systems and Technology can be one of your beginner books that are good idea. Many of us recommend that straight away because this publication has good vocabulary that could increase your knowledge in terminology, easy to understand, bit entertaining but delivering the information. The writer giving his/her effort to get every word into delight arrangement in writing Intelligent Video Surveillance: Systems and Technology however doesn't forget the main point, giving the reader the hottest and based confirm resource information that maybe you can be one among it. This great information may drawn you into new stage of crucial imagining.

Catherine Gober:

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