



Video-Based Surveillance Systems

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Book Condition: New. Publisher/Verlag: Springer, Berlin | Computer Vision and Distributed Processing | Monitoring of public and private sites has increasingly become a very sensitive issue resulting in a patchwork of privacy laws varying from country to country -though all aimed at protecting the privacy of the citizen. It is important to remember, however, that monitoring and visual surveillance capabilities can also be employed to aid the citizen. The focus of current development is primarily aimed at public and corporate safety applications including the monitoring of railway stations, airports, and inaccessible or dangerous environments. Future research effort, however, has already targeted citizen-oriented applications such as monitoring assistants for the aged and infirm, route-planning and congestion-avoidance tools, and a range of environmental monitoring applications. The latest generation of surveillance systems has eagerly adopted recent technological developments to produce a fully digital pipeline of digital image acquisition, digital data transmission and digital recording. The resultant surveillance products are highly-flexible, capable of generating forensic-quality imagery, and able to exploit existing Internet and wide area network services to provide remote monitoring capability. | Part I: Industrial Applications. 1. Real-time Video Analysis at Siemens Corporate Research; N. Paragios, et al....



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