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Nota di contenuto	Cover; Copyright Page; Table of Contents; Foreword; Preface; Acknowledgments; Part I; Chapter 1 Video's Critical Role in the Security Plan; 1.1 Protection of Assets; 1.1.1 Overview; 1.1.2 Background; 1.2 The Role of Video in Asset Protection; 1.2.1 Video as Part of the Emergency and Disaster Plan; 1.2.1.1 Protecting Life and Minimizing Injury; 1.2.1.2 Reducing Exposure of Physical Assets and Optimizing Loss Control; 1.2.1.3 Restoring Normal Operations Quickly; 1.2.1.4 Documenting an Emergency; 1.2.1.5 Emergency Shutdown and Restoration; 1.2.1.6 Testing the Plan 1.2.1.7 Standby Power and Communications 1.2.2 Security Investigations; 1.2.3 Safety; 1.2.4 The Role of the Guard; 1.2.5 Employee Training and Education; 1.3 Synergy through Integration; 1.3.1 Integrated Functions; 1.3.2 System Hardware; 1.4 Video's Role and Its Applications; 1.4.1 Video System Solutions; 1.4.2 Overt vs. Covert Video; 1.4.3 Security Surveillance Applications; 1.4.4 Safety Applications; 1.4.5 Video Access Control; 1.5 The Bottom Line; Chapter 2 Video Technology Overview; 2.1 Overview; 2.2 The Video System; 2.2.1 The Role of Light and Reflection; 2.2.2 The Lens Function 2.2.3 The Camera Function 2.2.4 The Transmission Function; 2.2.5 The Monitor Function; 2.2.6 The Recording Function; 2.3 Scene Illumination; 2.3.1 Natural Light; 2.3.2 Artificial Light; 2.4 Scene

Characteristics; 2.4.1 Target Size; 2.4.2 Reflectivity; 2.4.3 Effects of Motion; 2.4.4 Scene Temperature; 2.5 Lenses; 2.5.1 Fixed-Focal-Length Lens; 2.5.2 Zoom Lens; 2.5.3 Vari-Focal Lens; 2.5.4 Panoramic-360degree Lens; 2.5.5 Covert Pinhole Lens; 2.5.6 Special Lenses; 2.6 Cameras; 2.6.1 The Scanning Process; 2.6.1.1 Raster Scanning; 2.6.1.2 Digital and Progressive Scan; 2.6.2 Solid-State Cameras 2.6.2.1 Analog 2.6.2.2 Digital; 2.6.2.3 Internet; 2.6.3 Low-Light-Level Intensified Camera; 2.6.4 Thermal Imaging Camera; 2.6.5 Panoramic 360degree Camera; 2.7 Transmission; 2.7.1 Hard-Wired; 2.7.1.1 Coaxial Cable; 2.7.1.2 Unshielded Twisted Pair; 2.7.1.3 LAN, WAN, Intranet and Internet; 2.7.2 Wireless; 2.7.3 Fiber Optics; 2.8 Switchers; 2.8.1 Standard; 2.8.2 Microprocessor-Controlled; 2.9 Quads and Multiplexers; 2.10 Monitors; 2.10.1 Monochrome; 2.10.2 Color; 2.10.3 CRT, LCD, Plasma Displays; 2.10.4 Audio/Video; 2.11 Recorders; 2.11.1 Video Cassette Recorder (VCR) 2.11.2 Digital Video Recorder (DVR) 2.11.3 Optical Disk; 2.12 Hard-copy Video Printers; 2.13 Ancillary Equipment; 2.13.1 Camera Housings; 2.13.1.1 Standard-rectangular; 2.13.1.2 Dome; 2.13.1.3 Specialty; 2.13.1.4 Plug and Play; 2.13.2 Pan/Tilt Mounts; 2.13.3 Video Motion Detector (VMD); 2.13.4 Screen Splitter; 2.13.5 Camera Video Annotation; 2.13.5.1 Camera ID; 2.13.5.2 Time and Date; 2.13.6 Image Reversal; 2.14 Summary; Part II; Chapter 3 Natural and Artificial Lighting; 3.1 Overview; 3.2 Video Lighting Characteristics; 3.2.1 Scene Illumination; 3.2.1.1 Daytime/Nighttime 3.2.1.2 Indoor/Outdoor

Sommario/riassunto

This revision of the classic book on CCTV technology, *CCTV Surveillance*, provides a comprehensive examination of CCTV, covering the applications of various systems, how to design and install a system, and how to choose the right hardware. Taking into account the ever-changing advances in technology using digital techniques and the Internet, *CCTV Surveillance, Second Edition*, is completely updated with the recent advancements in digital cameras and digital recorders, remote monitoring via the Internet, and CCTV integration with other security systems. Continuing in th
