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Nota di contenuto	Closed Circuit Television; Copyright page; Contents; Preface; Acknowledgements; Chapter 1: The CCTV industry; The role of CCTV; The CCTV industry; Chapter 2: Signal transmission; CCTV signals; Co-axial cable; Ground loops; Twisted pair cable; Structured cabling; Power over Ethernet; Ribbon cable; Fibre-optic cable; Infrared beam; Microwave link; UHF RF transmission; CCTV via the telephone network; Connectors; Cable test equipment; Chapter 3: Light and lighting; Light and the human eye; Measuring light; Light characteristics; Artificial lighting; Chapter 4: Lenses; Lens theory; Lens parameters Zoom lensesElectrical connections; Lens mounts; Filters; Lens adjustment; Lens finding; Chapter 5: Fundamentals of television; Producing a raster; Picture resolution; Synchronization; The luminance signal; The chrominance signal; Television signals; Digital video signals; Video compression; MPEG-2 compression; MPEG-4 compression; Wavelet compression; Common interchange format (CIF); ITU-T recommendations; Chapter 6: The CCTV camera; Charge coupled device; CCD chip operation; Electronic iris; IR filters; Colour imaging; Camera operation; White balance; Back light compensation Colour/mono camerasCamera sensitivity; Camera resolution; Camera operating voltages; Specialized cameras; Covert cameras; 360° cameras; Number plate recognition cameras; Chapter 7: Video display

equipment; The cathode ray tube; The colour CRT; CRT monitors; Monitor safety; Liquid crystal displays (LCDs); Plasma display panels (PDPs); Projection systems; Termination switching; Resolution; Ergonomics; Chapter 8: Video recording equipment; Digital video recorders (DVRs); DVR principle; Effects of compression; Recording capacity; RAID disk recording; Digital video information extraction VHS recording Time-lapse recording; VCR maintenance; Video head cleaning; Tape management and care; Digital video tape; Chapter 9: Camera switching and multiplexing; Sequential switching; Matrix switching; The quad splitter; Video multiplexers; Video motion detection (VMD); Chapter 10: Telemetry control; Control data transmission; Pan/tilt (P/T) control; Receiver unit; Dome systems; Data communications; Chapter 11: CCTV over networks; Network topology; Network hardware; Network communications; IPv4 classes; Reserved addresses; Subnetting; Assigning IP addresses; Manually assigned IP addresses
Address resolution protocol (ARP) Autoconfiguration; Domain name service (DNS); Ports; Other network protocols; IPv6; Network diagnostics; CCTV over a network; Network CCTV example; Integrating analogue cameras; Summary; Chapter 12: Ancillary equipment; Camera mountings; Towers and columns; Pan/tilt units; Monitor brackets; Power supplies; Voltage drop; Chapter 13: Commissioning and maintenance; Commissioning; Measuring resolution; System handover; Preventative maintenance; Corrective maintenance; Fault location; Oscilloscope default settings; Glossary of CCTV terms; A; B; C; D; E; F; G; H; I
K

Sommario/riassunto

Closed Circuit Television (CCTV) surveillance remains a growing industry in response to increased security threats, and whilst new developments have brought clearer images, digital recording and high speed data transmission, effective security systems still rely upon proper specification and installation by engineers with an in depth knowledge of CCTV principles and technology. The third edition of Closed Circuit Television provides a thorough technical guide for all those involved in the design, specification, installation and maintenance of CCTV systems. Fully dual-standard for PAL an

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Descrizione fisica	1 online resource (xviii, 201 pages) : digital, PDF file(s)
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Note generali	Title from publisher's bibliographic system (viewed on 20 Nov 2019).
Sommario/riassunto	Copyright' is the standard work in its field and is indispensable for all librarians and information professionals and who are looking for solutions to their copyright problems. The book explains the provisions of the UK Copyright Act and supporting legislation in quick and easy question-and-answer form. This revised edition is fully updated to take into account of all the changes that have come into force since the 6th edition was published in 2015. All types of material that may attract copyright are considered, including: literary, dramatic and musical works artistic works sound recordings films and video broadcast databases computer programs and websites. The text is amplified by the use of practical examples to illustrate complex points and complemented by a detailed index that enables the enquirer to pinpoint topics and proposed action quickly and accurately. The appendices provide helpful lists of addresses and selected further sources of information. This book will be invaluable for all librarians, information professionals and students who are looking for solutions to their copyright problems.