

1. Record Nr.	UNINA9910784365303321
Autore	Norman Thomas L
Titolo	Integrated security systems design [[electronic resource] ] : concepts, specifications, and implementation / / Thomas Norman
Pubbl/distr/stampa	Amsterdam ; ; London, : Elsevier/Butterworth-Heinemann, c2007
ISBN	1-280-96235-6 9786610962358 0-08-047144-7
Edizione	[2nd edition]
Descrizione fisica	1 online resource (471 p.)
Disciplina	005.8
Soggetti	Computer networks - Security measures Computers - Access control Information storage and retrieval systems - Security measures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front cover; Title page; Copyright page; Dedication; Table of contents; Preface; Acknowledgments; Section 1: Introduction to Integrated Security Systems; Chapter 1. Introduction and Organization of the Book; WHO SHOULD READ THIS BOOK; A BRIEF BACKGROUND; A FRAMEWORK FOR UNDERSTANDING THE DESIGN PROCESS; GOALS OF THE BOOK; ARRANGEMENT OF THE BOOK; Chapter 2. Integrated Security System Design Benefits and Philosophy; WHY INTEGRATE SYSTEMS?; COST BENEFITS; HOW INTEGRATION IS ACHIEVED; SUMMARY; Chapter 3. History of Electronic Security; THE HISTORY OF INTEGRATED SECURITY SYSTEMS THE FIRST GENERATION THE SECOND GENERATION; THE THIRD GENERATION; THE FOURTH GENERATION; FIFTH-GENERATION TECHNOLOGY; AVOIDING OBSOLESCENCE; SUMMARY; CHAPTER NOTES; Section 2: Security System Design; Chapter 4. Security System Design Elements; THE TOOLS; THE PLACE OF ELECTRONICS IN THE OVERALL SECURITY PROCESS; ESTABLISH ELECTRONIC SECURITY PROGRAM OBJECTIVES; TYPES OF DESIGN EFFORTS; PROJECT DRIVERS; SUMMARY; CHAPTER NOTES; Chapter 5. Electronics Elements (High-Level Discussion); ACCESS CONTROL ELEMENTS; DETECTION ELEMENTS;

ASSESSMENT AND VERIFICATION ELEMENTS; REACTION ELEMENTS;  
SUMMARY  
CHAPTER NOTESChapter 6. Electronics Elements (Detailed Discussion);  
ALARM/ACCESS CONTROL SYSTEMS; SERVER (AND BUSINESS  
CONTINUITY SERVER); WORKSTATIONS; ADVANCED ELEMENTS; CCTV  
SYSTEMS; HOW DIGITAL VIDEO DIFFERS FROM ANALOG; WIRELESS  
DIGITAL VIDEO; SECURITY COMMUNICATIONS; ANALOG VS. DIGITAL;  
COMMAND/COMMUNICATIONS CONSOLES; GUARD CONSOLE  
FUNCTIONS; COMMUNICATIONS SYSTEMS; SUMMARY; CHAPTER NOTES;  
Chapter 7. Physical Security Elements; BASIC PHYSICAL SECURITY; BASIC  
PHYSICAL SECURITY SKILLS: KNOWLEDGE OF THE TOOLS; DOOR TYPES;  
ELECTRIFIED LOCKS; CONCERNS ABOUT SPECIAL KNOWLEDGE;  
SUMMARY  
CHAPTER NOTESChapter 8. The Security Design Process; ESTABLISH  
ELECTRONIC SECURITY PROGRAM OBJECTIVES; DEFINE  
COUNTERMEASURES; ESTABLISH SECURITY POLICIES RELATED TO  
ELECTRONIC SYSTEMS; ESTABLISH THE BUDGET; PHASES OF THE DESIGN  
AND CONSTRUCTION PROJECT; SUMMARY; CHAPTER NOTE; Chapter 9.  
Preliminary Design Process Steps; BASIS FOR DESIGN; RESEARCH;  
DEVELOPING DRAWING AND SPECIFICATION RESOURCES;  
COORDINATING INTERFACES TO OTHER SYSTEMS; LAYOUT DEVICES IN  
RESPONSE TO ELECTRONIC SECURITY SYSTEM OBJECTIVES AND BUDGET;  
SELECT REQUIRED DEVICES; ANALOG VS. DIGITAL VIDEO AND AUDIO  
SYSTEMS  
CHAPTER NOTESChapter 10. Getting Down to the Actual Design;  
MACROLEVEL DESIGN: THE PIECES OF THE BIG PICTURE; MICROLEVEL  
DESIGN: THE THREADS THAT KNIT TOGETHER THE PIECES OF THE BIG  
PICTURE; SUMMARY; CHAPTER NOTE; Section 3: Special Design  
Sections; Chapter 11. Information Technology Systems Infrastructure;  
INTRODUCTION; BASICS OF TCP/IP AND SIGNAL COMMUNICATIONS;  
NETWORKING DEVICES; NETWORK INFRASTRUCTURE DEVICES; SERVERS;  
NETWORK ARCHITECTURE; NETWORK CONFIGURATIONS; CREATING  
NETWORK EFFICIENCIES; DIGITAL VIDEO; DIGITAL RESOLUTION; FRAME  
RATES; DISPLAY ISSUES  
MANAGING DATA SYSTEMS THROUGHPUT

---

### Sommario/riassunto

Integrated Security Systems Design is a one-stop resource for security directors, consultants, engineers and installation managers who are interested in providing the best possible security while saving millions in improved operations efficiency. An integrated security system is a system that has been incorporated into other programs (such as Access Control, Private Branch Exchanges, Human Relations, Security Video, and Intercommunications) to perform tasks in a manner consistent with corporate or agency policies and procedures. This book explains how to accomplish such integration, t

---