Minolta C450 Service Manual

This study examines France's determination to remain aloof and unaffected as the world economy threatens the French way of doing business. Describing the difficulty in initiating change in French organizations, the author tells of the obstacles he encountered in attempting to modernize the working practices of a Paris firm. His observations are based upon customs and habits peculiar to the French, yet they apply equally to all foreign cultures. Management methods, attitudes to the outside world, and the historic roots of the French mentality are viewed and explained anecdotally, based on the author's experience of living and working in France, and are accompanied by humorous illustrations.

"Siblings Bob and Tom get a dog with spots. This A-level story uses decodable text to raise confidence in early readers. The book uses a combination of sight words and short-vowel words in repetition to build recognition. Original illustrations help guide readers through the text."--

Responding to recent developments and a growing VLSI circuit manufacturing market, Technology Computer Aided Design: Simulation for VLSI MOSFET examines advanced MOSFET processes and devices through TCAD numerical simulations. The book provides a balanced summary of TCAD and MOSFET basic concepts, equations, physics, and new technologies related to TCAD and MOSFET. A firm grasp of these concepts allows for the design of better models, thus streamlining the design process, saving time and money. This book places emphasis on the importance of modeling and simulations of VLSI MOS transistors and TCAD software. Providing background concepts involved in the TCAD simulation of MOSFET devices, it presents concepts in a simplified manner, frequently using comparisons to everyday-life experiences. The book then explains concepts in depth, with required mathematics and program code. This book also details the classical semiconductor physics for understanding the principle of operations for VLSI MOS transistors, illustrates recent developments in the area of MOSFET and other electronic devices, and analyzes the evolution of the role of modeling and simulation of MOSFET. It also provides exposure to the two most commercially popular TCAD simulation tools Silvaco and Sentaurus. • Emphasizes the need for TCAD simulation to be included within VLSI design flow for nano-scale integrated circuits • Introduces the advantages of TCAD simulations for device and process technology characterization • Presents the fundamental physics and mathematics incorporated in the TCAD tools • Includes popular commercial TCAD simulation tools (Silvaco and Sentaurus) • Provides characterization of performances of VLSI MOSFETs through TCAD tools • Offers familiarization to compact modeling for VLSI circuit simulation R&D cost and time for electronic product development is drastically reduced by taking advantage of TCAD tools, making it indispensable for modern VLSI device technologies. They provide a means to characterize the MOS transistors and improve the VLSI circuit simulation procedure. The comprehensive information and systematic approach to design, characterization, fabrication, and computation of VLSI MOS transistor through TCAD tools presented in this book provides a thorough foundation for the development of models that simplify the design verification process and make it cost effective.

Transform your tiny Arduino device into a secret agent gadget to build a range of espionage projects with this practical guide for hackers About This Book Discover the limitless possibilities of the tiny Arduino and build your own secret agent projects From a fingerprint sensor to a GPS Tracker and even a robot– learn how to get more from your Arduino Build nine secret agent projects using the power and simplicity of the Arduino platform Who This Book Is For This book is for Arduino programmers with intermediate experience of developing projects, and who want to extend their knowledge by building projects for secret agents. It would also be great for other programmers who are interested in learning about electronics and programming on the Arduino platform. What You Will Learn Get to know the full range of Arduino features so you can be creative through practical projects Discover how to create a simple alarm system and a fingerprint sensor Find out how to transform your Arduino into a GPS tracker Use the Arduino to monitor top secret data Build a complete spy robot! Build a set of other spy projects such as Cloud Camera and Microphone System In Detail Q might have Bond's gadgets– but he doesn't have an Arduino (not yet at least). Find out how the tiny Arduino microcomputer can be used to build an impressive range of neat secret agent projects that can help you go undercover and get to grips with the cutting-edge of the world of espionage with this book, created for ardent Arduino fans and anyone new to the powerful device. Each chapter shows you how to construct a different secret agent gadget, helping you to unlock the full potential of your Arduino and make sure you have a solution for every tricky spying situation. You'll find out how to build everything from an alarm system to a fingerprint sensor, each project demonstrating a new feature of Arduino, so you can build your expertise as you complete each project. Learn how to open a lock with a text message, monitor top secret data remotely, and even create your own Arduino Spy Robot, Spy Microphone System, and Cloud Spy Camera This book isn't simply an instruction manual – it helps you put your knowledge into action so you can build every single project to completion. Style and approach This practical reference guide shows you how to build various projects with step-by-step explanations on each project, starting with the assembly of the hardware, followed by basics tests of all those hardware components and finally developing project on the hardware.

This book covers modern analog components, their characteristics, and interactions with process parameters. It serves as a comprehensive guide, addressing both the theoretical and practical aspects of modern silicon devices and the relationship between their electrical properties and processing conditions. Based on the authors' extensive experience in the development of analog devices, this book is intended for engineers and scientists in semiconductor research, development and manufacturing. The problems at the end of each chapter and the numerous charts, figures and tables also make it appropriate for use as a text in graduate and advanced undergraduate courses in electrical engineering and materials science. Enables engineers to understand analog device physics, and discusses important relations between process integration, device design, component characteristics, and reliability; Describes in step-by-step fashion the components that are used in analog designs, the particular characteristics of analog components, while comparing them to digital applications; Explains the second-order effects in analog devices, and trade-offs between these effects when designing components and developing an integrated process for their manufacturing.

When Henry Oades accepts an accountancy post in New Zealand, his wife, Margaret, and their children follow him to exotic Wellington. But while Henry is an adventurer, Margaret is not. Their new home is rougher and more rustic than they expected—and a single night of tragedy shatters the family when the native Maori stage an uprising, kidnapping Margaret and her children. For months, Henry scours the surrounding wilderness, until all hope is lost and his wife and children are presumed dead. Grief-stricken, he books passage to California. There he marries Nancy Foreland, a young widow with a new baby, and it seems they've both found happiness in the midst of their mourning—until Henry's first wife and children show up, alive and having finally escaped captivity. Narrated primarily by the two wives, and based on a real-life legal case, The Wives of Henry Oades is the riveting story of what happens when Henry, Margaret, and Nancy face persecution for bigamy. Exploring the intricacies of marriage, the construction of family, the changing world of the late 1800s, and the strength of two remarkable women, Johanna Moran turns this unusual family's story into an unforgettable page-turning drama.

(Pocket Guide). Learn to play rock leads in the style of guitar greats like Page, Hendrix, Clapton, Van Halen, Angus Young, Slash, Cantrell, and more! This handy guide covers scales and modes; articulations; speed exercises; rock licks; alternate picking; key changes; and more!

Modern, original fiction for learners of English. Nancy is a security guard at a detention centre for asylum seekers and refugees who have come to Britain to escape persecution in their own countries. Nancy thinks she has everything: a comfortable house, nice furniture, a boyfriend and a beautiful Rolex watch. Then she falls in love with George, an asylum seeker who has nothing, and her world changes completely.

Pathwise estimation and inference for diffusion market models discusses contemporary techniques for inferring, from options and bond prices, the market participants' aggregate view on important financial parameters such as implied volatility, discount rate, future interest rate, and their uncertainty thereof. The focus is on the pathwise inference methods that are applicable to a sole path of the observed prices and do not require the observation of an ensemble of such paths. This book is pitched at the level of senior undergraduate students undertaking research at honors year, and postgraduate candidates undertaking Master's or PhD degree by research. From a research perspective, this book reaches out to academic researchers from backgrounds as diverse as mathematics and probability, econometrics and statistics, and computational mathematics and optimization whose interest lie in analysis and modelling of financial market data from a multi-disciplinary approach. Additionally, this book is also aimed at financial market practitioners participating in capital market facing businesses who seek to keep abreast with and draw inspiration from novel approaches in market data analysis. The first two chapters of the book contains introductory material on stochastic analysis and the classical diffusion stock market models. The remaining chapters discuss more special stock and bond market models and special methods of pathwise inference for market parameter for different models. The final chapter describes applications of numerical methods of inference of bond market parameters to forecasting of short rate. Nikolai Dokuchaev is an associate professor in Mathematics and Statistics at Curtin University. His research interests include mathematical and statistical finance,

stochastic analysis, PDEs, control, and signal processing. Lin Yee Hin is a practitioner in the capital market facing industry. His research interests include econometrics, non-parametric regression, and scientific computing.

Assuming only a general science education this book introduces the workings of the microprocessor, its applications, and programming in assembler and high level languages such as C and Java. Practical work and knowledge-check questions contribute to building a thorough understanding with a practical focus. The book concludes with a step-by-step walk through a project based on the PIC microcontroller. The concise but clearly written text makes this an ideal book for electronics and IT students and a wide range of technicians and engineers, including IT systems support staff, and maintenance / service engineers. *Crisp's conversational style introduces the fundamentals of the micro (microprocessors, microcontrollers, systems on a chip) in a way that is utterly painless but technically spot-on: the talent of a true teacher. *Microprocessors and microcontrollers are covered in one book, reflecting the importance of embedded systems in today's computerised world. *Practical work and knowledge-check questions support a lively text to build a firm understanding of the subject.

Key sectors of modern economies depend highly on ICT. The information flowing through the resulting technological super-infrastructure as well as the information being processed by the complex computing systems that underpin it becomes crucial because its disruption, disturbance or loss can lead to high financial, material and, sometimes, human loss. As a consequence, the security and dependability of this infrastructure become critical and its protection a major objective for governments, companies and the research community. CRITIS has been born as an event that aims to bring together researchers and professionals from universities, private companies and public administrations interested or involved in all security-related heterogeneous aspects of critical information infrastructures. This volume contains the proceedings of the 1st International Workshop on Critical Information Infrastructure Security (CRITIS 2006), that was held between August 31 and September 1, 2006 on Samos, Greece, and was hosted by the University of the Aegean, Department of Information and Communication Systems Engineering, Laboratory of Information and Communication Systems Security (Info-Sec-Lab). In response to the CRITIS 2006 call for papers, 57 papers were submitted. Each paper was reviewed by three members of the Program Committee, on the basis of significance, novelty, technical quality and relevance to critical infrastructures. At the end of the reviewing process, only 22 papers were selected for presentation, resulting in an acceptance rate of 38%. Revisions were not checked and the authors bear full responsibility for the content of their papers.

In Ethereal Queer, Amy Villarejo offers a historically engaged, theoretically sophisticated, and often personal account of how TV representations of queer life have changed as the medium has evolved since the 1950s. Challenging the widespread view that LGBT characters did not make a sustained appearance on television until the 1980s, she draws on innovative readings of TV shows and network archives to reveal queer television's lengthy, rich, and varied history. Villarejo goes beyond concerns about representational accuracy. She tracks how changing depictions of queer life, in programs from Our Miss Brooks to The L Word, relate to transformations in business models and technologies, including modes of delivery and reception such as cable, digital

video recording, and online streaming. In so doing, she provides a bold new way to understand the history of television.
A riveting true story of the failure of the courts and police to protect a woman and her daughters.
It is the wedding the world thought would never happen - two of Greece's oldest feuding families to finally unite. But the marriage is not as it seems. Alesia has been bought by Sebastian. Now all he wants is a child to bind the feuding families. Little does he know that is somthing Alesia would never give him.
Explore the powers of Raspberry Pi and build your very own projects right out of the box About This Book From robotics to gaming, this Learning Path will unlock your creativity! Build your own impressive IoT projects to transform your home Featuring some of Packt's very best Raspberry Pi content, this Learning Path doesn't just get you to your destination – it opens up a whole horizon of possibilities! Who This Book Is For Want new ideas for your next Raspberry Pi project? Got one lying around gathering dust? This Learning Path gets you straight into the creative dirty work of programming and playing with your pi. Whether your new to Raspberry Pi, or an experienced maker, we think this Learning Path will inspire you and get your creative juices flowing! What You Will Learn Discover an aweome range of Raspberry Pi projects Bridge the gap between software and hardware through your Pi and find out how to make an operating system interact with cameras and other hardware Find out how to use your Raspberry Pi for gaming Secure your home with this tiny computer! Make science fiction a reality – build a walking robot In Detail Looking for inspiration for your next Raspberry Pi project? Not sure where to begin? This Learning Path is the perfect place to begin, providing you with an accessible yet comprehensive journey through Raspberry Pi. Following three modules, you'll soon be confident and prepared to get creative with your microcomputer. Raspberry Pi by Example is the first module in this Learning Path – and it does exactly what it says. It doesn't just teach, it shows you how to go and build some awesome Raspberry Pi projects immediately. Build and play your own games with the Pi, build a complete Internet of Things home automation system that controls your house through Twitter... let your imagination run wild! In the next module we'll look in more depth at building a home security system. You'll be using some of the skills you devoped through the first module, but apply them to something more intricate and impressive. Using a Linux based operating system as the foundations, you'll gradually build up an entire security infrastructure adding cameras, remote controls, and even intrusion alerts! In the final module, we'll take you into the world of Raspberry Pi robotics. By the end of it, you'll have built a biped robot that can interact with its environment! This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Raspberry Pi By Example by Ashwin Pajankar and Arush Kakkar Building a Home Security System with Raspberry Pi by Matthew Pole Raspberry Pi Robotics Essentials by Richard Grimmett Style and approach It's not every day you build a home automation system. It's not every day you build a walking robot. But with this Learning Path you'll do just that. So get started and let this tiny computer expand your imagination.
You too Can be a White Hat Hacking Genius If you're getting started along the exciting path of hacking, cybersecurity, and pentesting, Linux Basics for Hackers is an excellent first step. Using Kali Linux, an advanced penetration testing distribution of Linux, you'll learn the basics of using the Linux operating system and acquire the tools and techniques you'll need to take control of a Linux environment. This practical, tutorial-style book uses the Kali Linux distribution to teach Linux basics with a focus on how hackers would use them. Topics include Linux command line basics, filesystems, networking, BASH basics, package management, logging, and the Linux kernel and drivers. Hacking With Linux takes you from your very first baby steps in installing Kali all the way to learning the basics of working your way into a network and

taking control of a Linux environment. Along the way you'll learn the basics of bash scripting, directory setup and all the handy tips and tricks passed down over the years by your fellow ethical hackers! You can also learn? l - Cover your tracks by changing your network information and manipulating the rsyslog logging utility l - Write a tool to scan for network connections, and connect and listen to wireless networks l - Keep your internet activity stealthy using Tor, proxy servers, VPNs, and encrypted email l - Write a bash script to scan open ports for potential targets l - Use and abuse services like MySQL, Apache web server, and OpenSSH l - Build your own hacking tools, s Stop trying to recreate the wheel and start from the beginning. This practical guide will help you make sense of the exciting world of ethical hacking and cyber security.

This third edition has been revised to encompass the new AutoCAD release 10. New features covered include the user coordinate system, 3D meshes, multiple viewports and more.

Advances in forensic odontology have led to improvements in dental identification for individual cases as well as in disaster victim identification (DVI). New and updated technologies mean advances in bitemark analysis and age estimation. Growth in the field has strengthened missing persons' networks leading to more and faster identifications of unidentified individuals. A product of the American Society of Forensic Odontology, the Manual of Forensic Odontology, Fifth Edition provides comprehensive and up-to-date information involving all facets of forensic dentistry and explores critical issues relating to the scientific principles supporting the field's evaluations and conclusions. New information in the Fifth Edition includes Scientific principles and the need for more and better research in the field Oral and maxillofacial radiographic features of forensic interest Forensic pathology and its ties to forensic odontology New techniques and improved technologies for age estimation Advances in bitemark evidence management Animal bitemarks National and international forensic dental organizations Tips for becoming involved in forensic odontology The manual has been an important source of forensic dentistry information for more than 20 years. This new edition is edited by a past president of the American Board of Forensic Odontology and a past Chair of the Odontology Section of the American Academy of Forensic Sciences. Expanded and enhanced with extensive color illustrations, this volume is designed to provide essential information based on sound scientific principles for experienced forensic odontologists and for those new to the discipline.

Digital technology now enables unparalleled functionality and flexibility in the capture, processing, exchange, and output of color images. But harnessing its potential requires knowledge of color science, systems, processing algorithms, and device characteristics-topics drawn from a broad range of disciplines. One can acquire the requisite background with an armload of physics, chemistry, engineering, computer science, and mathematics books and journals- or one can find it here, in the Digital Color Imaging Handbook. Unprecedented in scope, this handbook presents, in a single concise and authoritative publication, the elements of these diverse areas relevant to digital color imaging. The first three chapters cover the basics of color vision, perception, and physics that underpin digital color imaging. The remainder of the text presents the technology of color imaging with chapters on color management, device color characterization, digital halftoning, image compression, color quantization, gamut mapping, computationally efficient transform algorithms, and color image processing for digital cameras. Each chapter is written by world-class experts and largely self-contained, but cross references between chapters reflect the topics' important interrelations. Supplemental materials are available for download from the CRC Web site, including electronic versions of some of the images presented in the book.

India's irrigated agriculture sector has been basic to India's economic development and poverty alleviation. One of India's major

achievements is its rapid expansion of irrigation and drainage infrastructure. However, the major emphasis on development has been achieved at a cost. The importance put on new construction has diverted attention away from the need to ensure the quality, productivity, and sustainability of the services. Further, a governmental subsidy based approach has been used and this has resulted in irrigation and drainage services which, while enabling significantly higher productivity than from non-irrigated lands, are well below their potential. 'The Irrigation Sector' discusses directions for future growth, the framework for reform, and the reform agenda.

A Guide to German Progressive and Electronic Rock This definitive guide to German rock music covers the period from the 1960s to the present day and includes: An A - Z of groups, index of musicians, listing of key record labels, and a bibliography. Includes hundreds of B & W photographs and eight pages of colour plates. Stupendous.

Printers nowadays are having to learn new technologies if they are to remain competitive. This innovative, practical manual is specifically designed to cater to these training demands. Written by an expert in the field, the Handbook is unique in covering the entire spectrum of modern print media production. Despite its comprehensive treatment, it remains an easy-to-use, single-volume reference, with all the information clearly structured and readily retrievable. The author covers both traditional as well as computer-aided technologies in all stages of production, as well as electronic media and multimedia. He also deals with training, research, strategies and trends, showing readers how to implement the latest methods. With 1,200 pages, containing 1,500 illustrations - over half in colour - the Handbook conveys the current state of technology together with its specific terminology. The accompanying CD-ROM includes the entire manual in fully searchable form, plus additional software tools. Invaluable information for both beginners and "old hands" in printing works, publishing houses, trade associations, the graphics industry, and their suppliers.

The digital transformation is in full swing and fundamentally changes how we live, work, and communicate with each other. From retail to finance, many industries see an inflow of new technologies, disruption through innovative platform business models, and employees struggling to cope with the significant shifts occurring. This Fourth Industrial Revolution is predicted to also transform Logistics and Supply Chain Management, with delivery systems becoming automated, smart networks created everywhere, and data being collected and analyzed universally. The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution provides a holistic overview of this vital subject clouded by buzz, hype, and misinformation. The book is divided into three themed-sections: Technologies such as self-driving cars or virtual reality are not only electrifying science fiction lovers anymore, but are also increasingly presented as cure-all remedies to supply chain challenges. In The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution, the authors peel back the layers of excitement that have grown around new technologies such as the Internet of Things (IoT), 3D printing, Robotic Process Automation (RPA), Blockchain or Cloud computing, and show use cases that give a glimpse about the fascinating future we can expect. Platforms that allow businesses to

centrally acquire and manage their logistics services disrupt an industry that has been relationship-based for centuries. The authors discuss smart contracts, which are one of the most exciting applications of Blockchain, Software as a Service (SaaS) offerings for freight procurement, where numerous data sources can be integrated and decision-making processes automated, and marine terminal operating systems as an integral node for shipments. In The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution, insights are shared into the cold chain industry where companies respond to increasing quality demands, and how European governments are innovatively responding to challenges of cross-border eCommerce. People are a vital element of the digital transformation and must be on board to drive change. The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution explains how executives can create sustainable impact and how competencies can be managed in the digital age - especially for sales executives who require urgent upskilling to remain relevant. Best practices are shared for organizational culture change, drawing on studies among senior leaders from the US, Singapore, Thailand, and Australia, and for managing strategic alliances with logistics service providers to offset risks and create cross-functional, cross-company transparency. The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution provides realistic insights, a ready-to-use knowledge base, and a working vocabulary about current activities and emerging trends of the Logistics industry. Intended readers are supply chain professionals working for manufacturing, trading, and freight forwarding companies as well as students and all interested parties.
Are you looking for an Wood Pellet Smoker Cookbook full of carnivorous recipes so succulent and easy to prepare that they'll be the envy of all their friends? Then, You Need this Book in Your Daily Life and... You Will Never Stop to Use and Gift It! WHY THIS BOOK CAN HELP YOU The Carnivore Diet Program is a revolutionary, paradigm-breaking nutritional strategy that takes contemporary dietary theory and dumps it on its head. It breaks just about all the "rules" and delivers outstanding results. At its heart is a focus on simplicity rather than complexity, making this an incredibly effective diet that is also easy-to-follow and perfect for athletes of every level. You will find: What Carnivore Diet is and why it is the perfect diet to follow Why Wood Pellet Smoker is the best way to cook Tens of mouth-watering Wood Pellet Smoker recipes for every palate and situation High-quality pictures and idiot-proof instructions Many tips and tricks to smoke everything stress-free Are you ready to leave a permanent imprint on the lives of your family? Buy THOUSANDS of Copies and Let You And Your Family Have a Happy Life.
This Porsche 911 Carrera: 1984-1989 repair manual provides the highest level of clarity and completeness for service and repair procedures. Enthusiasts, do-it-yourselfers, and professional technicians will appreciate the quality of photos and illustrations, theory of operation, and accurate step-by-step instructions. If you're looking for better understanding of

your Porsche 911, look no further than Bentley. Engine covered in this Porsche repair manual: * 3.2 liter 6-cylinder (930/21 and 930/25), horizontally opposed, air cooled. This manual includes a complete engine disassembly and rebuilding guide, with full details on techniques and specifications, as well as camshaft and timing chain replacement techniques with engine in car. Transmissions covered: * 915 (5-speed, with cable-operated clutch) * G50 (5-speed, with hydraulic clutch) Complete removal and disassembly guide, including clutch disassembly, clutch cable and linkage rebuilding, clutch hydraulics service

This atlas presents technical information for professionals who process and use temperate or tropical timber. It combines the main technical characteristics of 283 tropical species and 17 species from temperate regions most commonly used in Europe with their primary uses.

Principles of Computer System Design is the first textbook to take a principles-based approach to the computer system design. It identifies, examines, and illustrates fundamental concepts in computer system design that are common across operating systems, networks, database systems, distributed systems, programming languages, software engineering, security, fault tolerance, and architecture. Through carefully analyzed case studies from each of these disciplines, it demonstrates how to apply these concepts to tackle practical system design problems. To support the focus on design, the text identifies and explains abstractions that have proven successful in practice such as remote procedure call, client/service organization, file systems, data integrity, consistency, and authenticated messages. Most computer systems are built using a handful of such abstractions. The text describes how these abstractions are implemented, demonstrates how they are used in different systems, and prepares the reader to apply them in future designs. The book is recommended for junior and senior undergraduate students in Operating Systems, Distributed Systems, Distributed Operating Systems and/or Computer Systems Design courses; and professional computer systems designers. Features: Concepts of computer system design guided by fundamental principles. Cross-cutting approach that identifies abstractions common to networking, operating systems, transaction systems, distributed systems, architecture, and software engineering. Case studies that make the abstractions real: naming (DNS and the URL); file systems (the UNIX file system); clients and services (NFS); virtualization (virtual machines); scheduling (disk arms); security (TLS). Numerous pseudocode fragments that provide concrete examples of abstract concepts. Extensive support. The authors and MIT OpenCourseWare provide on-line, free of charge, open educational resources, including additional chapters, course syllabi, board layouts and slides, lecture videos, and an archive of lecture schedules, class assignments, and design projects.

Konica Minolta Maxxum 7D/Dynax 7DLark Books (NC)

Describes the metallography and microstructure of ancient metals with several case studies included. The first volume in this series is devoted to the alloys of copper with silver, lead, tin, zinc, antimony and arsenic.

Konica Minolta's new digital SLR camera-called the Maxxum 7D in North America and the Dynax 7D elsewhere-offers many unique digital SLR features. Magic Lantern helps users thoroughly understand all its advantages, and goes beyond the user's manual with complete instructions for operating such innovative elements as the exclusive Konica Minolta Anti-Shake System, exposure compensation settings, white balance controls, creative focus control, auto exposure, and honey-comb metering system.

Improvised explosive devices (IEDs) are a type of unconventional explosive weapon that can be deployed in a variety of ways, and can cause loss of life, injury, and property damage in both military and civilian environments. Terrorists, violent extremists, and criminals often choose IEDs because the ingredients, components, and instructions required to make IEDs are highly accessible. In many cases, precursor chemicals enable this criminal use of IEDs because they are used in the manufacture of homemade explosives (HMEs), which are often used as a component of IEDs. Many precursor chemicals are frequently used in industrial manufacturing and may be available as commercial products for personal use. Guides for making HMEs and instructions for constructing IEDs are widely available and can be easily found on the internet. Other countries restrict access to precursor chemicals in an effort to reduce the opportunity for HMEs to be used in IEDs. Although IED attacks have been less frequent in the United States than in other countries, IEDs remain a persistent domestic threat. Restricting access to precursor chemicals might contribute to reducing the threat of IED attacks and in turn prevent potentially devastating bombings, save lives, and reduce financial impacts. Reducing the Threat of Improvised Explosive Device Attacks by Restricting Access to Explosive Precursor Chemicals prioritizes precursor chemicals that can be used to make HMEs and analyzes the movement of those chemicals through United States commercial supply chains and identifies potential vulnerabilities. This report examines current United States and international regulation of the chemicals, and compares the economic, security, and other tradeoffs among potential control strategies.