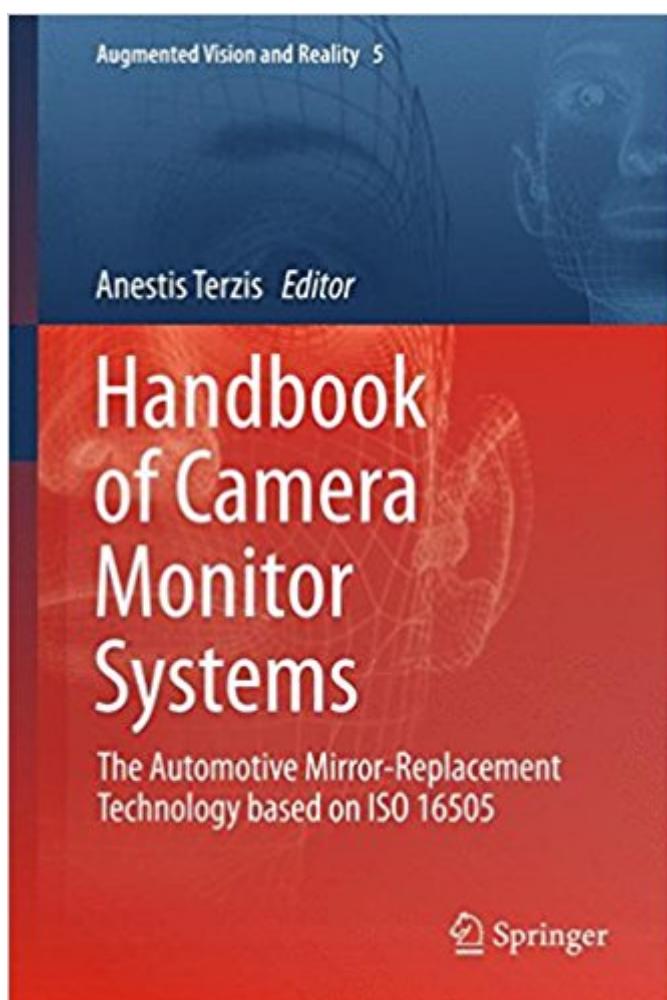


The book was found

# **Handbook Of Camera Monitor Systems: The Automotive Mirror-Replacement Technology Based On ISO 16505 (Augmented Vision And Reality)**





## Synopsis

This handbook offers a comprehensive overview of Camera Monitor Systems (CMS), ranging from the ISO 16505-based development aspects to practical realization concepts. It offers readers a wide-ranging discussion of the science and technology of CMS as well as the human-interface factors of such systems. In addition, it serves as a single reference source with contributions from leading international CMS professionals and academic researchers. In combination with the latest version of UN Regulation No. 46, the normative framework of ISO 16505 permits CMS to replace mandatory rearview mirrors in series production vehicles. The handbook includes scientific and technical background information to further readers' understanding of both of these regulatory and normative texts. It is a key reference in the field of automotive CMS for system designers, members of standardization and regulation committees, engineers, students and researchers.

## Book Information

Series: Augmented Vision and Reality (Book 5)

Hardcover: 534 pages

Publisher: Springer; 1st ed. 2016 edition (March 9, 2016)

Language: English

ISBN-10: 3319296094

ISBN-13: 978-3319296098

Product Dimensions: 6.1 x 1.2 x 9.2 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,519,360 in Books (See Top 100 in Books) #101 in Books > Engineering & Transportation > Engineering > Chemical > Unit Operations & Transport Phenomena #182 in Books > Engineering & Transportation > Automotive > Repair & Maintenance > Vehicle Design & Construction #233 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electric Machinery & Motors

## Customer Reviews

This handbook offers a comprehensive overview of Camera Monitor Systems (CMS), ranging from the ISO 16505-based development aspects to practical realization concepts. It offers readers a wide-ranging discussion of the science and technology of CMS as well as the human-interface factors of such systems. In addition, it serves as a single reference source with contributions from

leading international CMS professionals and academic researchers. In combination with the latest version of UN Regulation No. 46, the normative framework of ISO 16505 permits CMS to replace mandatory rearview mirrors in series production vehicles. The handbook includes scientific and technical background information to further readers' understanding of both of these regulatory and normative texts. It is a key reference in the field of automotive CMS for system designers, members of standardization and regulation committees, engineers, students and researchers.

Professor Dr. Anestis Terzis is the head of the Automotive Electronics study course at Ulm University of Applied Sciences in Germany and the coordinator of the university's International Electrical Engineering Program (IEEP). Prior to this, he was with Daimler AG for ten years and worked in the "Group Research & Mercedes-Benz Cars Development," with a main focus on future advanced driver assistance systems. Born 1978 in Heidenheim, Germany, Professor Terzis received his diploma in Communications Engineering from Ulm University of Applied Sciences. He also holds a doctoral degree in Electrical Engineering from the University of Erlangen-Nuremberg, Germany. He is one of the authors of the ISO 16505 content and an expert member of the standardization and regulation committees in the field of camera monitor systems. He left the Daimler AG Research Center in 2012 to become a professor for Digital Systems Design at Ulm University of Applied Sciences. His lectures include digital technology with VHDL and FPGAs, fundamentals of electrical engineering, and automotive systems. His primary research field is advanced camera-based driver assistance systems. Professor Terzis combines academic and industrial experience. He is the founder and the director of the Steinbeis Transfer Center "DSI - Digital Systems and Innovations," a company in the Steinbeis Network and based in Ulm, Germany that offers consulting, as well as courses, prototype development and measurement technologies ([www.stw.de/su/1637](http://www.stw.de/su/1637)). His contact information can be found at [www.hs-ulm.de/terzis](http://www.hs-ulm.de/terzis).

[Download to continue reading...](#)

Handbook of Camera Monitor Systems: The Automotive Mirror-Replacement Technology based on ISO 16505 (Augmented Vision and Reality) Automotive Fuel and Emissions Control Systems (4th Edition) (Automotive Systems Books) Automotive Chassis Systems (7th Edition) (Automotive Systems Books) Augmented Human: How Technology Is Shaping the New Reality Security Camera For Home: Learn Everything About Wireless Security Camera System, Security Camera Installation and More Automotive Heating and Air Conditioning (7th Edition) (Automotive Systems Books)

Automotive Engines: Theory and Servicing (9th Edition) (Automotive Systems Books) Automotive Electricity and Electronics (5th Edition) (Automotive Systems Books) The Hair Replacement Revolution: A Consumer's Guide to Effective Hair Replacement Techniques Practical Augmented Reality: A Guide to the Technologies, Applications, and Human Factors for AR and VR (Usability) The Fourth Transformation: How Augmented Reality & Artificial Intelligence Will Change Everything Game Changer: How Augmented Reality Will Transform the World of Sports Iron Coffin: War, Technology, and Experience aboard the USS Monitor (Johns Hopkins Introductory Studies in the History of Technology) ISO/IEC 27002:2005, Information technology - Security techniques - Code of practice for information security management (Redesignation of ISO/IEC 17799:2005) ISO/TS 22004:2005, Food safety management systems - Guidance on the application of ISO 22000:2005 Eye Exercises to Improve Vision: Recover Your Vision Naturally with Simple Exercises (Vision Training) ASE Technician Test Preparation Automotive Maintenance and Light Repair (G1) (Delmar Ase Test Preparation: Automotive Technician Certification) Introduction to Automotive Service (Automotive Comprehensive Books) Mirror Mirror: A Book of Reverso Poems Mirror Mirror: A Contemporary Christian Epic-Novel (The Grace Series Book 1)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)