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Nota di bibliografia	Includes bibliographical references (p. 189-203) and index.
Nota di contenuto	Front Matter -- Contents -- Preface -- Executive Summary -- 1 The Military Environment -- 2 The Infantry Population -- 3 Situation Awareness -- 4 Visual and Psychomotor Factors in Display Design -- 5 Auditory Factors in the Design of Displays and Controls -- 6 Stress and Cognitive Workload -- 7 Research, Development, Testing, and Evaluation -- 8 Recommendations -- References -- APPENDIX A Control Ergonomics for the Helmet-Mounted Display -- APPENDIX B Physical Ergonomics of the Infantry Helmet -- APPENDIX C Biographical Sketches -- Index.
Sommario/riassunto	This book examines the human factors issues associated with the development, testing, and implementation of helmet-mounted display technology in the 21st Century Land Warrior System. Because the framework of analysis is soldier performance with the system in the full range of environments and missions, the book discusses both the

military context and the characteristics of the infantry soldiers who will use the system. The major issues covered include the positive and negative effects of such a display on the local and global situation awareness of the individual soldier, an analysis of the visual and psychomotor factors associated with each design feature, design considerations for auditory displays, and physical sources of stress and the implications of the display for affecting the soldier's workload. The book proposes an innovative approach to research and testing based on a three-stage strategy that begins in the laboratory, moves to controlled field studies, and culminates in operational testing.
