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Nota di contenuto	Understanding Digital Cinema: A Professional Handbook; Copyright; Contents; Foreword; Chapter 1 Introduction; Advantages and Challenges of Digital Technology for Motion Pictures; Who Is Working to Develop Specifications and Standards?; Chapter 2 The New Post Production Workflow: Today and Tomorrow; The Traditional Post Production Workflow; The Modern Motion Picture-the New Digital Workflow; Chapter 3 Color in Digital Cinema; "Faithful" and "Pleasing" Reproduction; Film; Digital Cinema; Issues in Color Image Data Representation; Color Gamut; Choice of a Color Coding System The Digital IntermediateThe Challenge of Wide-Gamut Reproduction; Acknowledgments; Chapter 4 The Mastering Process; The Process; Capture: Content Ingest; Creative Image Manipulation; Audio Preparation: An Expanded Scope; Related Data Creation; The Future of Mastering; Chapter 5 Compression for Digital Cinema; What Is Compression?; Why Is Compression Needed for Digital Cinema?; Sampling of images; Compression systems for motion pictures; Fundamental concepts; Transforms; Temporal Compression; Compression systems and standards; Intellectual property and licensing; Conclusions

Chapter 6 Security and Packaging Security Primer; The Value of Security in the Supply Chain; Review of Early Fielded Systems; The Next Generation; Design Philosophy; Chapter 7 Audio for Digital Cinema; The Historical View and Opportunity; The Current Status of Cinema Audio; Potential New Features; The Debate-How and Why; The Standards; Channel Maps and Labels: Legacy Channels; Potentials; The Reality; Chapter 8 Digital Cinema Distribution; Content Preparation; Delivery; Security; Digital Asset Management; Digital Archiving; System Overview

Case Study: Warner Bros. Entertainment Inc. : Proof-of-Concept Chapter 9 Projection; Viewing Characteristics of the Theatre; Projection System Performance Parameters and Measurement Methods; Color; Motion Management; Aspect Ratios Sizing and Lensing; Convergence and Registration; Mechanical Issues; Image Quality: The Reference Projector; Projection System Data Interfaces; Test Materials; Candidate Projection Technologies; Chapter 10 Theatre Systems; System Interoperability; User Requirements; Media Block Architectures; Operations and Maintenance; Workflow; Performance Controls Show Play Lists and Schedules Time Code; Supervisory Controls and Monitoring; Logging Show Operations; Piracy Protection and Security; Content Delivery; Putting A Point To It; Chapter 11 An International Perspective; Europe; Local Initiatives; Europewide Sponsored Projects; Asia; Latin America; Africa & Middle East; Appendix The DC28 Standard; Contributor Biographies; Index

Sommario/riassunto

UNDERSTANDING DIGITAL CINEMA: A PROFESSIONAL HANDBOOK is a comprehensive resource on all aspects of finishing, distributing and displaying film digitally. For technical professionals as well as non-technical decision-makers, the book is a detailed exploration of every component of the process, from mastering to theater management. * An overview of digital cinema system requirements* Post production work flow* Color in digital cinema* The digital cinema mastering process* Fundamental
