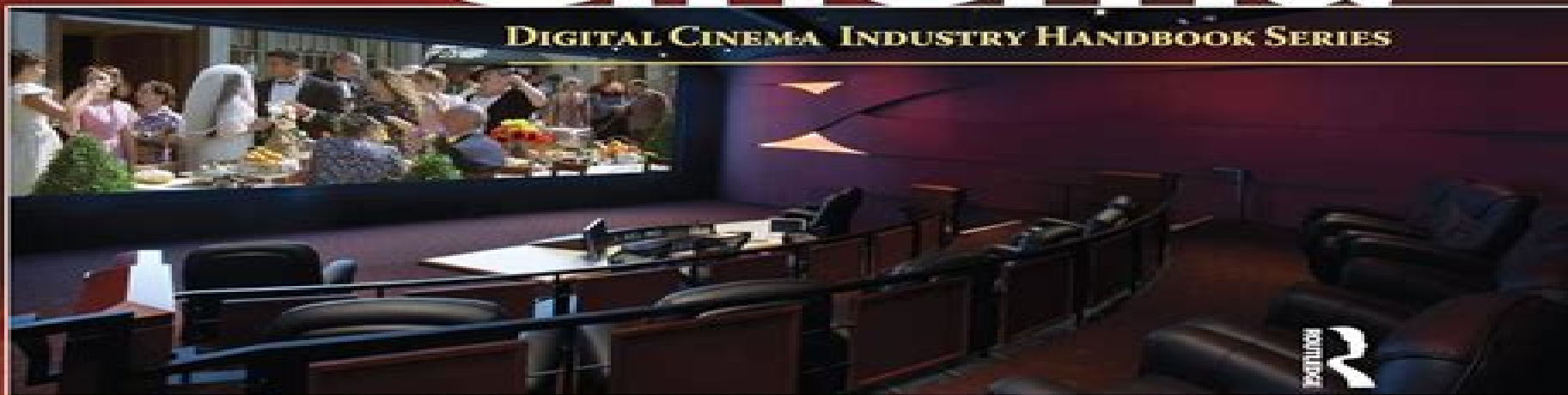


Color and Mastering for Digital Cinema

DIGITAL CINEMA INDUSTRY HANDBOOK SERIES



A Focal Press Book

Glenn Kennel

Series Editor: Charles S. Swartz

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Color and Mastering for Digital Cinema Glenn Kennel, 2007 First Published in 2007 Routledge is an imprint of Taylor Francis an informa company [Color and Mastering for Digital Cinema](#) Glenn Kennel, 2012-07-26 Color and Mastering for Digital Cinema explores the implications for motion picture post production processes and changes required to the supporting equipment and software While a new concept to the motion picture community the selection of the wide gamut output referred XYZ color space for digital cinema distribution is based on decades of color science and experience in other industries The rationale for choosing XYZ and the other color encoding parameters is explained and the book also provides a full case study of the development of DLP Cinema projectors by Texas Instruments Finally this book explores how the XYZ color encoding concept can be extended to support enhanced display technologies in the future This book contains Brilliant 4 color illustrations that compliment the color science explanations Never before published industry information from author Glenn Kennel a world leader in digital cinema color technology Descriptions of key issues and background on decisions that were made in the standardization process By Glenn Kennel Glenn Kennel is VP GM of Feature Film Services at Laser Pacific Media Corporation a leading provider of a full range of post production services for television and feature film Recently he worked for the DLP Cinema group of Texas Instruments in a role that included technology and business development Previously in a twenty year career with Kodak he led the development of the Cineon digital film scanners and laser recorders and the prototype HDTV telecine that became the Spirit Datacine As a consultant he helped DCI draft the technical specifications for digital cinema Kennel also chairs the SMPTE DC28 Color ad hoc group and the DC28 20 Distribution working group He is a SMPTE Fellow and has received the SMPTE Journal Award He is also a member of the Academy of Motion Picture Arts and Sciences *Color Correction Handbook* Alexis Van Hurkman, 2014 The colourist working in film and video is the individual responsible for breathing life into characters bringing a mood into a scene and making the final product polished and professional looking This craft is an art form that often takes years to perfect and many trial and error attempts at getting it right Here to help both the beginning and advanced level student who needs to brush up on their skills is the first book to cover a wide variety of techniques that can be used by colourists no matter what system they re using Whether you re using a video editing package with a colour correction tool built in Final Cut Pro Premiere Pro or a dedicated application DaVinci Resolve SpeedGrade or Assimilate Scratch this book covers it all From the most basic methods for evaluating and correcting an overall image to the most advanced targeted corrections and creative stylizations typically employed you ll find this highly organised book a solid reference that s easy to navigate This completely revised edition will include three new chapters postproduction workflow around grading stereoscopic grading and on set grading Additional sections will include LOG media grading LUTs scene balancing with greenscreen Log controls for contrast and much more *Film Restoration* L. Enticknap, 2013-11-13 This is the first monograph length work intended to enable readers with a

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Understanding Digital Cinema Charles S. Swartz, 2005 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 Fundamentals of compression Security Basics of audio Digital distribution Digital projection technology Theater systems The international perspective Views from Europe Asia and Latin America A realistic assessment of the future of digital cinema With contributions by Richard Crudo President American Society of Cinematographers Leon Silverman Executive Vice President Laser Pacific Media Corporation Charles Poynton Color Scientist Chris Carey Senior Vice President Studio New Technology The Walt Disney Studios Bob Lambert Corporate Senior Vice President New Technology New Media The Walt Disney Company Bill Kinder Pixar Animation Studios Glenn Kennel DLP Cinema Peter Symes Manager Advanced Technology Thomson Broadcast Media Solutions Robert Schumann President Cineia Inc A Subsidiary of Dolby Labs David Gray Vice President Production Services Dolby Laboratories Inc Darcy Antonellis Executive Vice President Distribution and Technology Operations Warner Bros Technical Operations Inc and Senior Vice President Worldwide Anti Piracy Operations Warner Bros Entertainment Inc Matt Cowan Principal and Founder Entertainment Technology Consultants Loren Nielsen Principal and Founder Entertainment Technology Consultants Michael Karagosian Partner Karagosian MacCalla Partners KMP Peter Wilson Vice President Display Technologies Snell and Wilcox Ltd Patrick Von Sychowski Senior Analyst Screen Digest Wendy Aylsworth Vice President of Technology Warner Bros Technical Operations Inc

3D Movie Making Bernard Mendiburu, 2012-12-06 Hollywood is going 3D Join the revolution with this primer to all of the essential skills for live action 3D from preproduction through distribution 3D perception and science is presented in an accessible way that provides the principles of Stereoscopic vision you need to make the transition from the 2D world Tools of the trade are enumerated with an eye on current constraints and what is coming down the pike to smooth the way Step by step instructions detail how 3D processes affect every stage of the production including screenwriting art direction principle photography editing visual effects and distribution The downloadable resources include an array of 2D and 3D images that demonstrate concepts and techniques 3D movie shorts that showcase alternative techniques After Effects project files to explore and manipulate for effect and a resource list of software tools and tutorials that demonstrate techniques

The Cinema in Flux Lenny Lipton, 2021-04-07 The first of its kind this book traces the evolution of motion picture technology in its entirety Beginning with Huygens magic lantern and ending in the current electronic era it explains cinema s scientific foundations and the development of parallel enabling technologies alongside the lives of the innovators Product development issues business and

marketplace factors the interaction of aesthetic and technological demands and the patent system all play key roles in the tale The topics are covered sequentially with detailed discussion of the transition from the magic lantern to Edison's invention of the 35mm camera the development of the celluloid cinema and the transition from celluloid to digital Unique and essential reading from a lifetime innovator in the field of cinema technology this engaging and well illustrated book will appeal to anyone interested in the history and science of cinema from movie buffs to academics and members of the motion picture industry

How the World Remade Hollywood Ed Glaser, 2022-03-07 For decades filmmakers worldwide have been remaking Hollywood movies in colorful ways They've chronicled a singing and dancing Hannibal Lecter in India star crossed lovers aboard the doomed Nigerian ship Titanic a Japanese expedition to the planet of the apes and an uncivil war in Turkey between Captain America and a mobbed up Spider Man Most of these films were low budget and many were unauthorized but all of them were fantastic and lately have begun to resurface thanks to cherry picked YouTube clips But why and how were they made in the first place This book tells the little known stories of the wily filmmakers who made an Italian 007 flick by casting Sean Connery's tradesman brother produced a Turkish space opera by stealing a print of Star Wars for its effects footage and transported a full fledged Terminator to the present day not from a post apocalyptic future but from the vibrant mythology of Indonesia Their stories reveal more than mere imitations they demonstrate the fascinating ways ideas evolve as they cross borders

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