Record Nr. UNINA9910616209303321 Autore Pavlidis George Titolo Foundations of Photography [[electronic resource]]: A Treatise on the Technical Aspects of Digital Photography / / by George Pavlidis Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2022 **ISBN** 9783031062520 9783031062513 Edizione [1st ed. 2022.] Descrizione fisica 1 online resource (281 pages) 775 Disciplina **Optics** Soggetti Photography Signal processing Electronic circuits Optical materials **Applied Optics** Signal, Speech and Image Processing **Electronic Circuits and Systems Optical Materials** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia From vision to photography -- A brief history of photography -- A Nota di contenuto photography primer -- Technical aspects of photography -- The shutter -- The imaging sensor -- Digital post-processing. This book offers an in-depth technical presentation of photography Sommario/riassunto and details about the inner workings of the digital camera, while keeping the artistic principles in mind. Departing from the current stream, the book treats photography as a highly scientific and technical subject, and serves as a reference to those who seek for an understanding of the technical aspects relating to the photographic

camera, the beating heart of photography. It offers insight on why the photographs are created the way they are, highlighting also the

limitations. As the author of this book is an image technology scientist and a photography enthusiast who has been teaching photography for

 a long time, this treatise reflects his own constant search and study for an in-depth understanding.