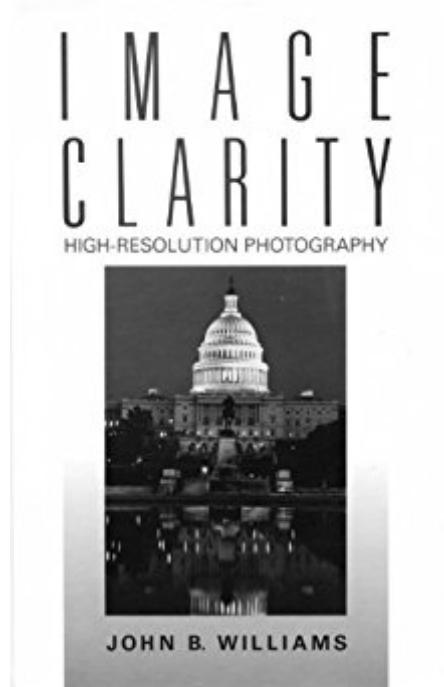


The book was found

Image Clarity: High-Resolution Photography



Synopsis

This book evolved out of research and experiments undertaken to consolidate current knowledge about clarity in photographic processes, to gain insight into the principles and theory of photographic sharpness and resolution, and to sort out from the conflicting photographic philosophies techniques that are consistent with these principles. In many applications of photography, the accurate rendition of visual information with full resolution of detail is the only goal. Scientists engaged in field studies—archaeologists, geologists, zoologists, and the like—rely heavily on photographs as visual records of their studies. Also criminal investigators, accident investigators, forensics specialists, legal photographers, military-surveillance photographers, and other wizards who push photography to the limits of its resolution potential must capture the details of their subjects accurately, sometimes under challenging conditions. Their increasing reliance on 35 millimeter cameras and the substantial enlargement of their negatives make high-resolution techniques essential to the success of their work.

Book Information

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Customer Reviews

Williams' understanding of the material he covers is every bit as impressive as his ability to convey it. He writes beautifully. His explanations of the complex phenomena affecting image quality are brilliantly edifying. No student of the photographic process can come away from reading this book without having learned more than anticipated. I've so enjoyed reading (and re-reading) this book that I hesitate to say anything negative about it, but I'm compelled to add that I am disappointed by the conspicuous lack of any practical strategy for tying together all the theoretical discussions that should influence aperture selection. Having equipped us with an understanding of the limits of human vision, a means to quantify degradation caused by defocus and diffraction, the impact of enlargement factor and viewing distance, the limits imposed by lens and film, and the mechanisms behind several other variables, when it comes time to tie it all together, he just drops the ball. He may have overestimated his readers' ability to deduce things for ourselves, but for someone with my modest IQ, it just feels as if he has given us a fine bottle of wine, with no corkscrew. He does a great job providing practical coverage of many other areas affecting image quality, but the first half of the book, that which I personally found most interesting, falls moot for lack of any means to deploy it. Don't let that stop you from reading this book, though - I, for one, cherish it.

This is a very technical book in many ways but is fear and goes beyond what I have seen just about anywhere else. I found it a real bonus that they often defined things in both common photography terms and more standardized technical terms for the same thing which really helped keep things clear for me.

The only problem with this book is that it is referred to analog photography. It is clear, precise, very well structured and explained. The best reference I know on the subject for an easy to read/understand book (entry level I would say). I would like to see a book this good for digital medium, but there are not.

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