A wide-angle photograph showing the silhouettes of three giraffes against a clear blue sky. One giraffe is on the left, and two are on the right, their heads nearly touching. The foreground is dark, showing the tops of bushes and grass.

# Panoramic images

directly on camera

Bo Belvedere Christensen

# Contents

Preface

Definition of a panorama

Cameras used

Urbanscapes and people

Local nature

Travel: Norway

Travel: Kilimanjaro

Travel: Turkey

Travel: Iceland

Travel: Himalaya

## Preface

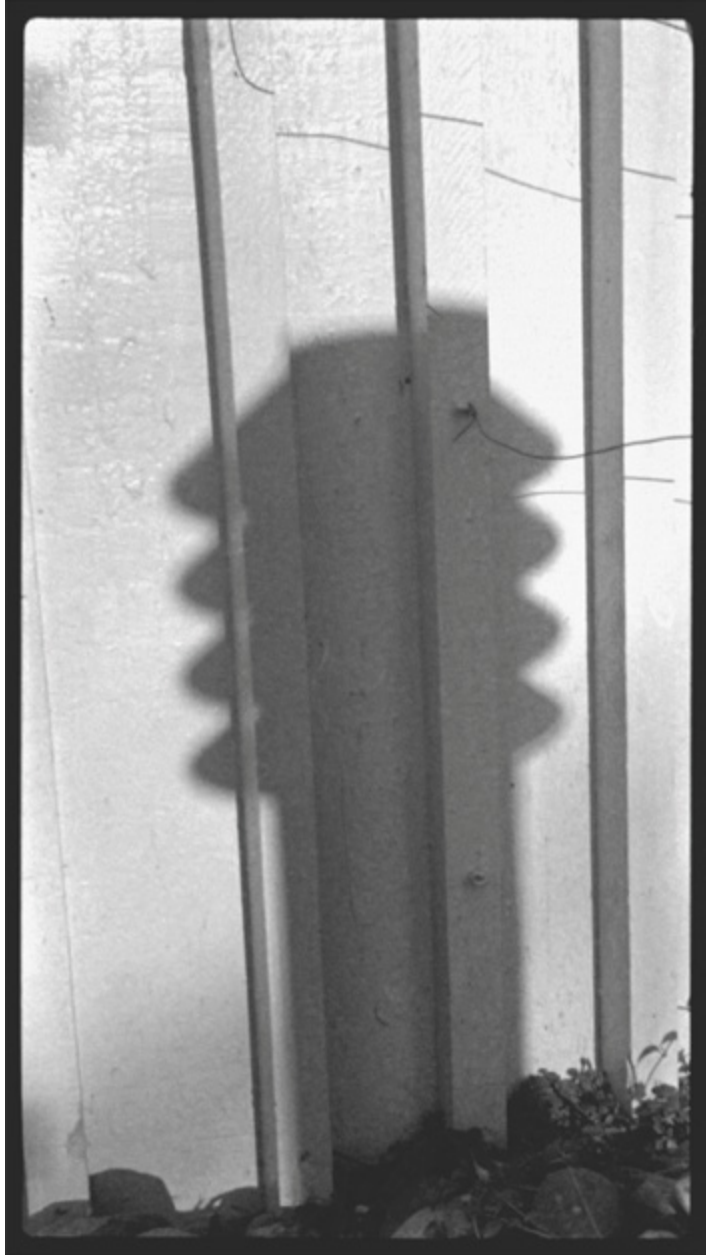
This book is about taking panoramic photos on analogue film or digital directly in camera without using stitching software. This is for the photographer focused on the shoot rather than on the post-processing, for the photographer who wants to finish the image directly in the camera.

The book is mostly meant as inspiration though there are also information on the cameras I have used and how I used these for shooting panoramas.



*Peculiar cloud formations shot on Fujifilm X-T1 at 24mm using sweep panorama mode*

## Definition of a panorama



*Canon Ixus II APS using the panoramic crop setting*

There is a lot of different definitions of a panorama, but I have chosen the definition below:

*An unbroken view of the whole or large parts of the region surrounding an observer.*

Unbroken implies, that there can be no breaks in the panorama. That a panorama not necessarily is a landscape also appears from this choice of definition, as it says it contains the “region” around the observer and that can be anything, buildings, objects, persons, or maybe a landscape. Many think of photographic panoramas as broad landscape images, but as observed above this is not the only way I will present it.

A vertical panorama is also well contained in this definition, not that I use it very often as it usually somehow isn't very pleasing, but once in a while I actually make use of it. A few examples will be presented in this book.

Can a panorama be taken by anything other than a wideangle lens? Many see panoramas as being a wideangle view, but according to the chosen definition this need not be the case. Most of my images are taken using wideangle lenses, but some are telephoto shoots, and the panoramic effect is astounding anyway.

Neither does the definition tell when you transition from a very wide image to a panorama as such. Images from 24x36mm camera is not a panorama, but I have set the limit just above this, like the image on this page.

## Cameras used

Cameras used listed in no particular order and treated more thoroughly in the back of this book:

- RealitySoSubtle 6x17 pinhole camera
- Terrapin 3D printed 6x17 pinhole camera
- Holga 120WPC 6x12 pinhole camera
- IXUS II and IXUS III APS cameras
- Konica mermaid waterproof
- Konica single use panoramic camera
- Pentax MZ-5
- Horizon Kompakt
- Lomography Sprocket Rocket
- Lomography Belair 6-12
- Mamiya RB67/RZ67 using 35mm film
- Fujica GL690 using 35mm film
- Dayi 6x12 back for large format camera
- Kodak Vest Pocket Autographic
- Sony HX300 superzoom camera
- Fujifilm XQ-1
- Fujifilm X-T1 (and X-T2)
- Fujifilm Finepix S1 superzoom camera
- Hasselblad X1D using the XPan setting

- Sony Xperia Z3 mobile phone camera

Cameras I would have liked to try but haven't had the chance to:

- Hasselblad XPan
- Widelux
- Mamiya 7 with 35mm adapter
- Fujica G617
- Sigma SD Quattro



# Urbanscapes and people



*Bicycles and shadows.*

*Sprocket Rocket camera using Fuji Neopan 1600, scanned including the sprocket holes*





*Train passing bridge over a small river.*

*Hasselblad X1D II 50c using Hasselblad XPan panoramic crop mode. Lens 45mm f4 at f11, shutter speed 1/180 sec*



*Staircase in my home.*

*Sprocket Rocket camera using Konica color negative film converted to black & white, scanned without the sprocket holes*



*The Wall between East and West Berlin as it stands today. Sony HX300 using sweep panoramic mode.*



*Another view of The Wall between East and West Berlin as it stands today.*

*Sony HX300 using sweep panoramic mode postprocess converted to black&white.*



*A panorama from Berlin that covers more than 360° in total. The castle in the left of the upper part of the image reappears on the far right in the lower part of the total panorama.*

*Sony HX300 using sweep panoramic mode postprocess converted to black&white and split into two images for the appearance in this book*





*Roundabout in my local area, Holte, Denmark.*

*Sprocket Rocket camera using Fuji Neopan 1600, scanned including the sprocket holes*



