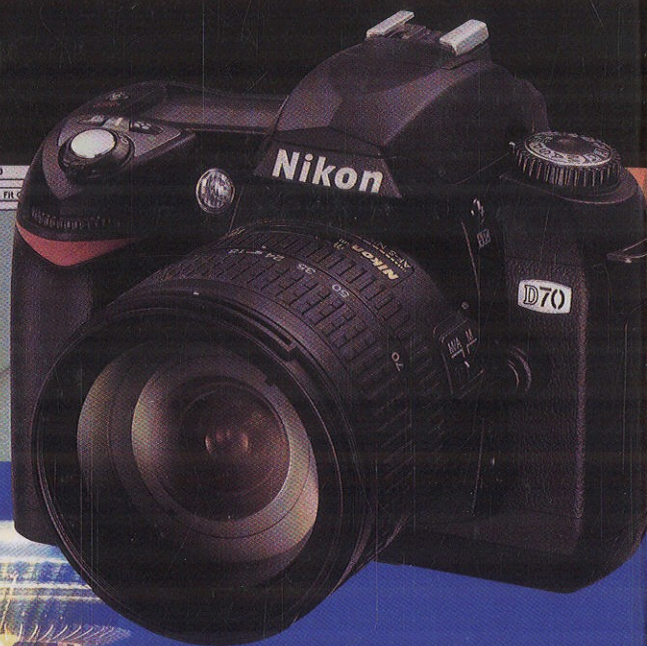
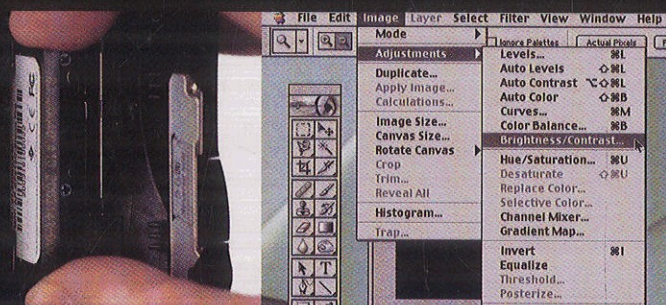


MASTERING YOUR

DIGITAL SLR

HOW TO GET THE MOST OUT OF YOUR DIGITAL CAMERA

CHRIS WESTON



RotoVision

CONTENTS

Introduction

| | |
|-----------------------------------|----|
| Introduction | 6 |
| Welcome to the digital world | 8 |
| Why should you switch to digital? | 10 |
| Film versus memory cards | 12 |
| Fact or fiction? | 14 |

Section 1: The digital single-lens reflex camera

| | |
|--|----|
| The camera body | 18 |
| Specifications | 20 |
| How does a digital pixel sensor work? | 22 |
| Types of sensor design | 24 |
| Color filters | 28 |
| Lenses | 30 |
| Lenses and image quality | 34 |
| The focal length magnification factor | 36 |
| Digital-specific lenses: hows and whys | 38 |
| Storing your work in-camera | 40 |
| Looking after your memory cards | 44 |

Section 2: Digital basics and image capture

| | |
|---------------------------------|-----|
| Image capture | 48 |
| Resolution | 52 |
| Setting the white balance (WB) | 54 |
| Programmed WB settings | 56 |
| Setting ISO-E (equivalency) | 60 |
| Setting the shooting mode | 62 |
| Burst rate | 66 |
| Exposure modes | 68 |
| Fine-tuning exposure | 84 |
| Bracketing | 86 |
| The histogram | 88 |
| Highlights | 92 |
| Digital photography in practice | 94 |
| Using the viewfinder | 102 |
| Focusing techniques | 110 |
| Depth of field | 114 |
| Hyperfocal distance | 116 |
| Shoot, review, revise, reshoot | 118 |
| Digital advantages and problems | 120 |
| Managing battery life | 122 |
| Advanced shooting techniques | 124 |

Section 3: Image processing

| | |
|----------------------------------|-----|
| External processing | 140 |
| Setting up your digital darkroom | 142 |
| Computers | 144 |
| Software solutions | 148 |
| Printers | 150 |
| Simple enhancement techniques | 152 |
| Storage and file backup | 166 |

Section 4: Epilogue

| | |
|-----------------|-----|
| Useful links | 180 |
| Glossary | 182 |
| Index | 188 |
| Acknowledgments | 188 |

