

Contents

INTRODUCTION	1
CHAPTER 1: PRELIMINARY SETUP	3
Charging and Inserting the Battery	3
Choosing and Inserting a Memory Card	4
Setting the Language, Date, and Time	8
CHAPTER 2: BASIC OPERATIONS	9
Introduction to Main Controls	9
Top of Camera	9
Back of Camera	9
Front of Camera	10
Right Side of Camera	10
Left Side of Camera	11
Bottom of Camera	11
Taking Pictures in Auto Mode	11
Variations from Fully Automatic	13
Photo Creativity Feature	13
Flash	16
Drive Mode: Self-Timer and Continuous Shooting	18
Overview of Movie Recording	18
Viewing Pictures	20
Reviewing While in Shooting Mode	20
Reviewing Images in Playback Mode	20
Playing Movies	20
CHAPTER 3: SHOOTING MODES	22
Auto Mode	22
Intelligent Auto Mode	23
Superior Auto Mode	23
Program Mode	24
Aperture Priority Mode	25

Shutter Priority Mode	27
Manual Exposure Mode	29
Scene Mode	32
Portrait	34
Sports Action	34
Macro	34
Landscape.	35
Sunset	35
Night Scene	36
Hand-Held Twilight	36
Night Portrait	36
Anti Motion Blur	37
Pet	38
Gourmet.	38
Fireworks	38
High Sensitivity	38
Sweep Panorama Mode	39
Memory Recall Mode	41

CHAPTER 4: SHOOTING MENU

44

Image Size	46
Aspect Ratio	47
Quality	49
Image Size (Dual Recording)	50
Quality (Dual Recording)	50
File Format	51
Record Setting	51
Dual Video Recording	51
HFR Settings	51
Panorama Size and Panorama Direction	51
Drive Mode.	52
Single Shooting.	52
Continuous Shooting.	52
Self-Timer	54
Self-Timer (Continuous)	54
Continuous Exposure Bracketing	55
Single Exposure Bracketing	56
White Balance Bracketing	56
DRO Bracketing	56
Bracket Settings	57
Flash Mode.	57
Flash Off.	58
Autoflash	58
Fill-Flash	58
Slow Sync	58
Rear Sync	59
Flash Compensation.	60
Red Eye Reduction.	60
Focus Mode	61
Single-Shot AF	61
Automatic AF	61
Continuous AF	62
DMF	62
Manual Focus	62
Focus Area	64
Wide.	65

- Center 65
- Flexible Spot 66
- Expand Flexible Spot 67
- Lock-on AF 67
- AF Illuminator 68
- AF Drive Speed 68
- AF Tracking Sensitivity. 68
- Exposure Compensation 68
- ISO 69
 - Multi Frame Noise Reduction 70
- ISO Auto Minimum Shutter Speed 71
- ND Filter 72
- Metering Mode 73
- White Balance 74
- DRO/Auto HDR 78
- Creative Style 81
 - Adjusting Contrast, Saturation, and Sharpness 81
 - Standard 83
 - Vivid 83
 - Neutral 84
 - Clear. 84
 - Deep. 84
 - Light. 84
 - Portrait 84
 - Landscape. 84
 - Sunset 84
 - Night Scene 84
 - Autumn Leaves 84
 - B/W 84
 - Sepia. 84
- Picture Effect. 85
 - Off 86
 - Toy Camera 86
 - Pop Color 86
 - Posterization 87
 - Retro Photo 87
 - Soft High-Key 87
 - Partial Color 88
 - High Contrast Monochrome 88
 - Soft Focus 88
 - HDR Painting 89
 - Rich-Tone Monochrome 89
 - Miniature Effect. 89
 - Watercolor 90
 - Illustration. 90
- Picture Profile 91
 - Picture Profile Settings 92
- Focus Magnifier 94
- Long Exposure Noise Reduction 96
- High ISO Noise Reduction. 96
- Center Lock-on AF. 96
- Smile/Face Detection 97
 - Face Detection On (Registered Faces) 97
 - Face Detection On 97
 - Smile Shutter 98
- Auto Dual Recording 98
- Soft Skin Effect. 98

Auto Object Framing	99
Auto Mode	100
Scene Selection	100
High Frame Rate	100
Movie	100
SteadyShot (Still Images)	100
SteadyShot (Movies)	100
Color Space	101
Auto Slow Shutter	101
Audio Recording, Micref Level, and Wind Noise Reduction	101
Memory Recall	101
Memory	102

CHAPTER 5: PHYSICAL CONTROLS

103

Mode Dial	103
Shutter Release Button	103
Zoom Lever	104
Power Button	104
Built-in Flash and Flash Pop-up Switch	104
Electronic Viewfinder	104
AF Illuminator/Self-Timer Lamp	105
Control Ring	106
Playback Button	107
Movie Button	107
Menu Button	108
Function Button	108
Shooting Mode: Function Menu	108
Quick Navi System	109
Wheel Lock	111
Playback Mode: Send to Smartphone	111
Custom/Delete Button	111
Control Wheel and Its Buttons	112
Control Wheel	112
Center Button	113
Direction Buttons	114
Up Button: Display	114
Right Button: Flash Mode	114
Down Button: Photo Creativity/Exposure Compensation	114
Exposure Compensation	115
Left Button: Self-Timer/Drive Mode	116
Tilting LCD Screen	116
Ports and Other Items on Right and Left Sides of Camera	117

CHAPTER 6: PLAYBACK AND PRINTING

119

Normal Playback	119
Index View and Enlarging Images	119
Playback Screens	121
Deleting Images with the Delete Button	122
Playback Menu	122
Delete	123
View Mode	124
Image Index	124
Display Rotation	125
Slide Show	125
Rotate	126

Enlarge Image	126
Enlarge Initial Magnification	126
Enlarge Initial Position	127
Protect.	127
Motion Interval Adjustment	128
Specify Printing	128
Beauty Effect	129
Photo Capture	130

CHAPTER 7: CUSTOM AND SETUP MENUS

Custom Menu	131
Zebra	131
MF Assist	132
Focus Magnification Time	133
Initial Focus Magnification	133
Grid Line.	134
Rule of Thirds Grid	134
Square Grid	134
Diagonal Plus Square Grid.	134
Marker Display	135
Marker Settings	135
Auto Review.	136
Display Button	137
Peaking Level	139
Peaking Color	140
Exposure Settings Guide	140
Live View Display	141
AF Area Auto Clear	142
Display Continuous AF Area	142
Phase Detection Area.	142
Pre-AF	143
Zoom Speed	143
Zoom Setting	143
Finder/Monitor	146
Release without Card	147
AEL with Shutter	147
Shutter Type	148
Self-portrait Timer	149
Face Registration	149
Write Date.	150
Function Menu Settings	150
Custom Key (Shooting).	152
Control Ring	152
C (Custom) Button	153
Focus Standard	155
AEL Hold.	155
AEL Toggle	155
Spot AEL Hold.	155
Spot AEL Toggle.	156
AF/MF Control Hold	156
AF/MF Control Toggle	156
Eye AF	156
Bright Monitoring.	157
Deactivate Monitor	157
MOVIE	157
Download Application	157

Not Set	157
Center Button	158
Left Button	158
Right Button	158
Custom Key (Playback)	158
Zoom Function on Ring	158
Movie Button	159
Wheel Lock	160
Setup Menu	161
Monitor Brightness	161
Viewfinder Brightness	162
Finder Color Temperature	162
Gamma Display Assist	162
Volume Settings	163
Audio Signals	163
Upload Settings	163
Tile Menu	164
Mode Dial Guide	164
Delete Confirmation	164
Display Quality	165
Power Save Start Time	165
Function for VF Close	166
NTSC/PAL Selector	166
Demo Mode	166
TC/UB (Time Code/User Bit) Settings	167
TC/UB Display Setting	167
TC Preset	168
UB Preset	168
TC Format	168
TC Run	169
TC Make	169
UB Time Record	169
HDMI Settings	169
HDMI Resolution	169
24p/60p Output	169
HDMI Information Display	170
TC Output	171
Rec Control	171
CTRL for HDMI	171
HDMI Audio Output	171
4K Output Select	171
Memory Card + HDMI	171
HDMI Only (30p)	171
HDMI Only (24p)	172
USB Connection	172
USB LUN Setting	173
USB Power Supply	174
Language	174
Date/Time Setup	174
Area Setting	175
Copyright Info	175
Format	176
File Number	176
Set File Name	176
Select REC Folder	177
New Folder	177
Folder Name	178

Recover Image Database 178
 Display Media Information 178
 Version 179
 Setting Reset 179

CHAPTER 8: MOTION PICTURES 180

Movie-Making Overview 180
 Details of Settings for Shooting Movies 181
 Movie-Related Shooting Menu Options 181
 File Format 181
 XAVC S 4K 181
 XAVC S HD 182
 AVCHD 182
 MP4 182
 Record Setting 182
 XAVC S 4K 182
 XAVC S HD 183
 AVCHD 183
 60i and 60p Video Formats 184
 24p Video Formats 184
 MP4 184
 Dual Video Recording 185
 HFR Settings 185
 AF Drive Speed 185
 AF Tracking Sensitivity 185
 Picture Profile 185
 Auto Dual Recording 185
 High Frame Rate 186
 Movie (Exposure Mode) 186
 Program Auto 186
 Aperture Priority 186
 Shutter Priority 187
 Manual Exposure 188
 SteadyShot (Movies) 188
 Auto Slow Shutter 190
 Audio Recording 190
 Micref Level 190
 Wind Noise Reduction 191
 Effects of Mode Dial Position on Recording Movies 191
 Effects of Other Shooting Menu Settings on Recording Movies 193
 Effects of Physical Controls When Recording Movies 194
 High Frame Rate Recording 196
 Recording to an External Video Recorder 199
 Using an External Audio Recorder 200
 Shooting Still Images During Video Recording 200
 Summary of Options for Recording Movies 201
 Other Settings and Controls for Movies 202
 Movie Playback 203
 Motion Shot Feature 204
 Editing Movies 205

CHAPTER 9: WI-FI, APPLICATIONS, AND OTHER TOPICS 206

Connections Using Wi-Fi and NFC 206
 Sending Images to a Computer 206
 Sending Images to a Smartphone 208

- Connecting with NFC 210
- Using a Smartphone or Tablet as a Remote Control 211
- Wi-Fi Menu 214
 - Send to Smartphone 214
 - Send to Computer 214
 - View on TV 214
 - One-touch (NFC) 215
 - Airplane Mode 215
 - WPS Push 216
 - Access Point Settings 216
 - Edit Device Name 216
 - Display MAC Address 217
 - SSID/PW Reset 217
 - Reset Network Settings 217
 - Applications and Application Menu 217
- Other Topics 219
 - Astrophotography and Digiscoping 219
 - Street Photography 220
 - Infrared Photography 221
 - Connecting to a Television Set 221

APPENDIX A: ACCESSORIES 223

- Cases 223
- Batteries and Chargers 224
- Add-On Filters and Lenses 225
- Grips 226
- Remote Controls 227
- External Flash 228
- External Video Recorder 229
- External Audio Recorder 230
- Tripods 230
- External LCD Monitor 231

APPENDIX B: QUICK TIPS 232

APPENDIX C: RESOURCES FOR FURTHER INFORMATION 235

- Books 235
- Websites and Videos 235
 - Digital Photography Review 235
 - Reviews of the RX100 V 235
 - The Official Sony Site 236
 - Other Resources 236

Index 238