B

Battery charging 3–4 indicator light 4
time for full charge 4 when camera connected to computer 4 generic replacement 188
generic replacement 188 Sony NP-BX1 3, 188
Battery charger
generic external charger 188
Sony AC-UB10C 4, 189
Sony AC-UUD12 189
Sony BC-TRX external charger 188 using as external power source 3
Battery/memory card compartment 102
Beach scene type setting 35
Beauty Effect menu item 113
Bit rates of video formats 153
Black and white
shooting in 73
for street photography 185
Blinking highlights in playback mode
indicating overexposure 106
Blurred background
how to achieve 25
using long zoom range 183 Bokeh 25, 183
Bounce flash 88, 195
Bracket Order menu item 51–52
Bracket Settings menu item 51–52
Brightness setting for Photo Creativity 14
С
Calendar display of images 19, 104, 108
Camera apps 180
Cases for HX80 and HX90V cameras Eagle Creek Waist Pack 188
Lowepro Inverse 110 AW Waist Pack 188
Lowepro Rezo 110 AW 187–188
MegaGear leather case 187
Sony LCJ-HWA 187
Center button 10, 97
assigning a function to 131–132
Standard setting for 60–61, 97, 132
using to activate focus tracking 97
using to adjust location of Flexible Spot focus frame 60, 97
using to determine reason for setting conflict 194
using to magnify focus area 58, 80, 97 using to play a panorama at larger size 97
using to play a panorama at larger size 37 using to play a video 97, 164
using to return enlarged image to normal size 97, 104
Center Button menu item 131–132
using Standard setting 132
Center Lock-on AF menu item 81
incompatibility with other settings 81
Center option for Focus Area 59–60

Index

Symbols

4K Still Image Playback menu item 111 24p/60p Output menu item 142 35mm-equivalent zoom range 10, 123

A

Access lamp 11, 102 Access Point Settings menu item 169, 178 Adobe Premiere Elements software 20 Adobe Premiere Pro software 20 Advanced Sports Shooting scene type setting 32 AF Illuminator menu item 61, 90 AF Illuminator/Self-timer Lamp 10, 89 controlling operation of 61 Airplane Mode menu item 168, 178 Anker 40-watt desktop USB charger 189 Anti Motion Blur scene type setting 34–35 compared to Hand-held Twilight setting 35 Aperture range of available settings 23, 25, 30 effect of focal length on 26 Aperture Priority exposure mode for movies 154 Aperture Priority mode 24-26 Apple Computer devices and software playing movies with 195 Application List menu item 173-174 Application Management app 180 Application menu 173-174, 180-181 Area Setting menu item 145 Aspect Ratio menu item 45-46 incompatibility with other settings 46 relationship to Image Size menu item 43-44 relationship to zoom range 125 Atomos Shogun video recorder 192 Audio Signals menu item 136 Autoflash setting 12, 52 Auto ISO setting setting minimum and maximum values for 62-63 using with Manual exposure mode 29, 64, 194 for movies 156 Auto Object Framing menu item 32, 83-84 incompatibility with other settings 84 Auto Review menu item 19, 118–119

deleting an image in Auto Review 119 Auto Slow Shutter menu item 84, 157–158 works only when Auto ISO is in effect 158

AVCHD format for movies 151

distinguishing focus frame from Spot metering circle 65	Date and Time
Center option for Metering Mode 64–65	setting with Setup menu 7–8, 144–145
Clean HDMI signal output 143, 186	Date Format menu option 7, 144
Clear Image Zoom 123, 124–125	Date/Time Setup menu item 7, 144
incompatibility with other settings 125	Day for night movie recording 156
Clipping of highlights 105	Daylight Savings Time adjustment 7, 144
Clipping of shadow areas 105	Delete Confirmation menu item 139
Color temperature 65	Delete menu item 107
using to set white balance 66	Deleting images or videos 95, 106, 107
Compression of JPEG images 46	Demo Mode menu item 141
Continuous AF setting 56, 195	Depth of field
limited availability of 56	relationship to aperture setting 24
Continuous shooting option 17, 48, 194	Digital Zoom 123, 124–125
incompatibility with other settings 48	incompatibility with other settings 125
selecting speed of 48	Dimmed menu items 43
Contrast	Diopter adjustment lever 88–89
adjusting 71–72	Display button 97
Control ring 9, 90–91	using to cycle through display screens 19
assigning functions to 90, 130–131	Display Button menu item 89, 119–121
icon on display screen 130	Display MAC Address menu item 179
speeding up zoom operation 133	Display Media Information menu item 147–148
Standard option for settings 90, 131	Display Quality menu item 140
using during movie recording 162	Display Rotation menu item 109
using to adjust exposure compensation 29, 99	Display screens
using to adjust manual focus 91	playback mode 105–106
using to select panorama direction 38, 46	shooting mode
using to select scene type setting 31, 84	selecting with Display button menu item 119–121
using to set aperture 25, 28	DLNA streaming media server 177
using to set shutter speed 27	DMF (direct manual focus) 56, 91, 195
using to zoom the lens 88, 133	requirement to hold shutter button down halfway with MF
Control Ring option of Custom Key Settings menu item 90	Assist 57, 91, 115, 195
Control wheel 10, 96	Down button 98–99
icon on display screen 96	assigning a function to 133
using to control both aperture and shutter speed 96	using to activate Photo Creativity options 98
using to move to other enlarged images 104	using to adjust exposure compensation 98–99
using to select scene setting 31, 84, 96	using to adjust volume for movies 99, 136
using to set aperture 96	using to switch functions of Control wheel 27, 98
using to set panorama direction 38, 46, 96	Download Application option 132
using to set shutter speed 96	DPOF (Digital Print Order Format) printing 112
Creative Style comparison chart 72	Drive Mode 13, 47–51
Creative Style menu item 71–73	basic procedure for using 17–18
adjusting contrast, saturation, and sharpness 71–72, 195	DRO/Auto HDR menu item 68–71
comparison of settings to Scene mode settings 73	incompatibility with other settings 71
incompatibility with other settings 72	DRO bracketing 51
CTRL for HDMI menu item 143	incompatibility with other settings 50
Custom Key Settings menu item 90, 97, 129–133	E
list of items that can be assigned to a button 131	L
list of items that can be controlled during movie recording	Edit Device Name menu item 179
162	Electronic viewfinder 9, 88–89
Custom menu 114–134	adjusting brightness of 89, 135
Custom white balance	adjusting color temperature 135
how to set 66–67	does not function during Wi-Fi remote control operation 89
D	pulling into position for use 11, 88
-	setting camera to power off when EVF closed 89, 141
Date	setting information display screens for 89
recording permanently on image 128	switching between EVF and LCD screen 89, 126

recording permanently on image 128

turning on camera by popping up EVF 88 Enlarge Image menu item 111	Flash pop-up switch 9, 88 Flash unit 9, 88
Enlarging images with zoom lever 19, 104	cannot be used until manually popped up 9, 16, 98
Expand Flexible Spot setting for Focus Area 60	moving for bounce flash 88
Exposure bracketing	using diffuser with 195
continuous 49–50	Flattening effect of long zoom shot 182
incompatibility with other settings 50	Flexible Spot option for Focus Area 60–61
order of bracketed exposures 50	Focus Area menu item 59–61
changing 50, 51–52	Focus frame
single 50	changing size and location of 60–61, 194
using exposure compensation with 50	Focusing on off-center subject 56, 60
using flash with 50	Focus Magnification Time menu item 58–57, 80, 115–116
using self-timer with 51	Focus Magnifier menu item 58, 79–80
Exposure compensation 98–99	assigning to a control button 80
limited adjustment range for movies 62, 161	compared to MF Assist option 58, 80, 115
using with iSweep Panorama mode 38	using for recording movies 80, 164
using with Manual exposure mode 29, 61	Focus Mode menu item 55, 90
Exposure Compensation menu item 29, 61–62	Folder Name menu item 147
Exposure Settings Guide menu item 122	Format item on Setup menu 7, 145
External audio recorder	For Viewfinder display screen 93, 119, 120
Tascam DR-100MkII 192	Function button 10, 92–94
External flash	using during movie recording 161–162
LumoPro LP180 190	using to activate Send to Smartphone option 10, 94
using with HX80 or HX90V camera 191	Function for VF Close menu item 11, 89, 101, 141
Yongnuo YN560-IV 191	Function menu 90, 92–93
Eye-Fi card	assigning options to 92, 128–129
setting upload options for 138	using to adjust settings 92–93
Eye sensor 10, 89	Function Menu Settings menu item 92, 128–129
F	G
Face Detection On menu item 82	Genaray LED light 192
Face Detection On (Registered Faces) menu item 81–82, 127	Gourmet scene type setting 35
	,,
Face Registration menu item 127	GPS Area Adjustment menu item 137
Fadeout 127	GPS Area Adjustment menu item 137 GPS assist data
ě	
Fadeout in-camera effect for movies 154–155 Fade to white	GPS assist data
Fadeout in-camera effect for movies 154–155	GPS assist data using 137
Fadeout in-camera effect for movies 154–155 Fade to white	GPS assist data using 137 GPS Auto Correction menu item 137
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138 Grid Line menu item 116
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20 Finder Color Temperature menu item 135	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20 Finder Color Temperature menu item 135 Finder/Monitor menu item 89, 126	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138 Grid Line menu item 116 H
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20 Finder Color Temperature menu item 135 Finder/Monitor menu item 89, 126 Finder switch 10, 88, 101	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138 Grid Line menu item 116 H Hand-held Twilight scene type setting 34
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20 Finder Color Temperature menu item 135 Finder/Monitor menu item 89, 126 Finder switch 10, 88, 101 Fireworks scene type setting 36	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138 Grid Line menu item 116 H
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20 Finder Color Temperature menu item 135 Finder/Monitor menu item 89, 126 Finder switch 10, 88, 101 Fireworks scene type setting 36 Firmware	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138 Grid Line menu item 116 H Hand-held Twilight scene type setting 34 compared to Anti Motion Blur setting 34 HDMI cable
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20 Finder Color Temperature menu item 135 Finder/Monitor menu item 89, 126 Finder switch 10, 88, 101 Fireworks scene type setting 36 Firmware checking for updates 148	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138 Grid Line menu item 116 H Hand-held Twilight scene type setting 34 compared to Anti Motion Blur setting 34 HDMI cable using to connect camera to HDTV 186
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20 Finder Color Temperature menu item 135 Finder/Monitor menu item 89, 126 Finder switch 10, 88, 101 Fireworks scene type setting 36 Firmware checking for updates 148 displaying version 148	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138 Grid Line menu item 116 H Hand-held Twilight scene type setting 34 compared to Anti Motion Blur setting 34 HDMI cable
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20 Finder Color Temperature menu item 135 Finder/Monitor menu item 89, 126 Finder switch 10, 88, 101 Fireworks scene type setting 36 Firmware checking for updates 148 displaying version 148 Flash	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138 Grid Line menu item 116 H Hand-held Twilight scene type setting 34 compared to Anti Motion Blur setting 34 HDMI cable using to connect camera to HDTV 186 HDMI Information Display menu item 142, 186
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20 Finder Color Temperature menu item 135 Finder/Monitor menu item 89, 126 Finder switch 10, 88, 101 Fireworks scene type setting 36 Firmware checking for updates 148 displaying version 148 Flash basic procedure for using 16–17	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138 Grid Line menu item 116 H Hand-held Twilight scene type setting 34 compared to Anti Motion Blur setting 34 HDMI cable using to connect camera to HDTV 186 HDMI Information Display menu item 142, 186 HDMI port 11, 102
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20 Finder Color Temperature menu item 135 Finder/Monitor menu item 89, 126 Finder switch 10, 88, 101 Fireworks scene type setting 36 Firmware checking for updates 148 displaying version 148 Flash basic procedure for using 16–17 incompatibility with other settings 16	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138 Grid Line menu item 116 H Hand-held Twilight scene type setting 34 compared to Anti Motion Blur setting 34 HDMI cable using to connect camera to HDTV 186 HDMI Information Display menu item 142, 186 HDMI port 11, 102 HDMI Resolution menu item 142
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20 Finder Color Temperature menu item 135 Finder/Monitor menu item 89, 126 Finder switch 10, 88, 101 Fireworks scene type setting 36 Firmware checking for updates 148 displaying version 148 Flash basic procedure for using 16–17 incompatibility with other settings 16 Flash Compensation menu item 54–55	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138 Grid Line menu item 116 H Hand-held Twilight scene type setting 34 compared to Anti Motion Blur setting 34 HDMI cable using to connect camera to HDTV 186 HDMI Information Display menu item 142, 186 HDMI port 11, 102 HDMI Resolution menu item 142 HDMI Settings menu item 141–143
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20 Finder Color Temperature menu item 135 Finder/Monitor menu item 89, 126 Finder switch 10, 88, 101 Fireworks scene type setting 36 Firmware checking for updates 148 displaying version 148 Flash basic procedure for using 16–17 incompatibility with other settings 16 Flash Compensation menu item 54–55 incompatibility with other settings 55	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138 Grid Line menu item 116 H Hand-held Twilight scene type setting 34 compared to Anti Motion Blur setting 34 HDMI cable using to connect camera to HDTV 186 HDMI Information Display menu item 142, 186 HDMI port 11, 102 HDMI Resolution menu item 142 HDMI Settings menu item 141–143 HDR (high dynamic range) photography 68, 69–70
Fadeout in-camera effect for movies 154–155 Fade to white in-camera effect for movies 154–155 File Format menu option 18, 47, 151 File Number menu item 146 Fill-flash setting 16, 52–53 Final Cut Express software 20 Final Cut Pro software 20 Finder Color Temperature menu item 135 Finder/Monitor menu item 89, 126 Finder switch 10, 88, 101 Fireworks scene type setting 36 Firmware checking for updates 148 displaying version 148 Flash basic procedure for using 16–17 incompatibility with other settings 16 Flash Compensation menu item 54–55	GPS assist data using 137 GPS Auto Correction menu item 137 GPS logo on HX90V 11 GPS Log Recording menu item 137–138 GPS On/Off menu item 136 GPS Settings menu item 136–138 Grid Line menu item 116 H Hand-held Twilight scene type setting 34 compared to Anti Motion Blur setting 34 HDMI cable using to connect camera to HDTV 186 HDMI Information Display menu item 142, 186 HDMI port 11, 102 HDMI Resolution menu item 142 HDMI Settings menu item 141–143 HDR (high dynamic range) photography 68, 69–70 HDR setting in camera 69–70, 195

incompatibility with other settings 81

High Sensitivity scene type setting 36–37	Language
compared to Anti Motion Blur and Hand-held Twilight set-	selecting on Setup menu 8, 144
tings 36	Large focus frame 125
Histogram	indicating focusing difficulty or non-optical zoom 59
activating in shooting mode 106, 120	LCD screen ability to tilt up or 180 degrees forward 100–101, 127
playback mode 105–106	adjusting brightness of 135
I	in general 100
Icon for menu items for still images or movies 43	setting information display screens for 119-121
Illustrations	switching between LCD screen and EVF 126
controls on back of camera 9	Left button
controls on top of camera 9, 87	assigning a function to 132
Electronic viewfinder 89	using to activate Drive Mode 100
items on bottom of camera 11, 102	Lens
items on front of camera 10, 89	focal length range of 10, 123, 181 focusing distance for closeup shots 185
items on left side of camera 10, 101	using the superzoom capability of 181–184
port on right side of camera 10, 101	Level display screen 120
tilting LCD screen 100	Locations of still images and videos on memory card 166
Image blur from long zoom shots 183	Locking focus 56
Image Index menu item 108–109	
Image size	M
relationship to aspect ratio 43–44 Image Size menu item 43–44	Macro photography 184–185
iMovie software 20, 151, 166	Manfrotto BeFree tripods 193
In-Camera Guide/Delete button 10, 94–96	Manual exposure mode 27–30
assigning function to 133	using for HDR photography 30, 70
using for In-Camera Guide option 95	Manual Exposure mode for movies 155–156
using to call up help screens 10	Manual focus 57
using to delete images or videos 10, 95, 106, 139	focusing aids 57–58
using to reset Photo Creativity settings 95	using for macro shots 185
In-Camera Guide option 95, 132, 194	Marker Display menu item 117, 159
Index screen of images 19, 103-104, 108-109	Marker Settings menu item 117–118
Intelligent Auto Mode 21–22	Memory cards
settings unavailable with 21	capacity for storing images and videos 6
Interlaced video formats 151	cards suitable for use with XAVC S HD video format 150
ISO 62-64	Eye-Fi cards 6
basic procedure for setting 28, 62–63	formatting in camera 7, 145
MFNR setting 63 incompatibility with other settings 64	inserting into camera 6 micro-SD cards 5
range of available settings 62	operating camera without card 4, 126
setting minimum and maximum values for Auto ISO 62–63	SD, SDHC, and SDXC cards 5
ISO Auto Minimum and Maximum settings 62	Sony Memory Stick cards 5
Isolating effect of long zoom shot 182	inserting into camera 7
iSweep Panorama mode 37–39	special requirements for XAVC S HD video format 5, 150
incompatibility with other settings 37	151
_	types of 4–6
J	Memory menu item 40, 85
JPEG images 46	Memory Recall menu item 85
)120 mmgeo 10	Memory Recall mode 39-40, 85, 194
K	Menu button 10, 91
Volvin units of colon tones and CE	using to return enlarged image to normal size 91
Kelvin units of color temperature 65	Menu items
Key icon for protected image 111	dimmed because of conflicting settings 42
L	preceded by icons: Stills, Movies 42
	Menu system
Landscape scene type setting 33	navigating through 41–42

Landscape scene type setting 33

Metering Mode menu item 64–65	P
incompatibility with other settings 65	Panorama Direction menu item 37–38, 46
MF Assist menu item 57, 91, 115	Panorama Size menu item 37–38, 46
compared to Focus Magnifier option 58, 80, 115	Panoramas, playback 39, 97
not available for movies 164	Panoramas, shooting 38–39
using with DMF 91, 115	Peaking Color menu item 58, 122
MFNR (Multi Frame Noise Reduction) setting 63	Peaking Level menu item 58, 121–122
Micref Level menu item 84, 158	using with DMF 58, 121, 122
Microphone, built-in 9	using with MF Assist 122
M.M. icon for metered manual value 28	•
Mode dial 9, 87	Pearstone 4.2-inch articulating arm 192
effect of position on movie recording 158–160	Pet scene type setting 35
Mode Dial Guide menu option 11, 30–31, 85, 139	Photo Creativity feature 13–16
Monitor Brightness menu item 135	combining multiple settings 15
Mophie PowerStation XL portable USB power supply 189	not available during movie recording 163
Motion Interval Adjustment menu item 111–112, 166	resetting to default values 16
Motion Shot feature for movie playback 165–166	Photomatix software 30
Movie button 10, 91	PictBridge printer 112
limiting operation to Movie mode 87, 91, 134, 159	Picture Effect comparison charts 74
Movie Button menu item 87, 91, 134, 159	Picture Effect menu item 73–79
Movie (exposure mode selection) menu item 84, 153–156	HDR Painting setting 77–78
MOVIE option for assignment to control button 132, 134	High Contrast Monochrome setting 77
Movie position on Mode dial	using for street photography 185
reasons for using 159	Illustration setting 79
Movies	incompatibility with other settings 73, 79
adjusting playback volume 135-136	Miniature Effect setting 78
editing 166	Off setting 74
recording	Partial Color setting 76–77
basic procedure 17–18, 163	adjusting range of colors recognized 76–77
functions that work from control buttons during video	Pop Color setting 75
recording 162	Posterization setting 75
time limits 150	Retro Photo setting 76
MP4 format for movies 18, 151	Rich-tone Monochrome setting 78
Multi option for Metering Mode 64–65	Soft Focus setting 77
Multi port 10, 101	Soft High-key setting 76
uses of 10, 101	Toy Camera setting 74–75
My Best Portrait camera app 180	using for movies 79, 161
The peak i of trait califora app 100	Watercolor setting 79
N	Picture Effect setting for Photo Creativity feature 15, 79
	Playback
New Folder menu item 146–147	movies
NFC area on left side of camera 11, 101, 173, 177	basic procedure 19-20, 164-165
NFC (near field communication) protocol 11, 101, 177	still images
using to connect camera to Android device 172–173	basic procedures 19, 103
Night Portrait scene type setting 34	Playback button 10, 91
Night Scene scene type setting 33	using to turn on camera 10, 91, 106, 195
NO CARD warning message 4, 126	Playback menu 106–113
Not Set option for assignment to control button 97, 132	PlayMemories Camera Apps app 180
NTSC/PAL Selector menu item 140–141	PlayMemories Home software 20, 166
effect on Record Setting menu option 140	where to download 3, 168
0	PlayMemories Mobile app 171-176
O	Pole aerial photography 101, 176
One-touch NFC menu item 175, 177–178	Portrait scene type setting 32
Optical slave flash 191	Power button 9, 88
Optical zoom 123	Power Save Start Time menu item 140
Overlay icon	Printing images directly to printer 112
indicator of burst of shots in Superior Auto mode 23	Program Auto exposure mode for Movies 154
	-

indicator of burst of shots in Superior Auto mode 23

203 Index

Program mode 23–24	Setting Reset menu item 148–149
Program Shift feature 23–24	Setup menu 134–149
not available for movie recording 163	Sharpness
Progressive video formats 151	adjusting 71–72
Protect menu item 111	Shooting menu
	in general 42
Q	navigating through 42
QR code	Shooting modes
scanning with phone 174	list of 21
Quality menu item 46	Shooting Tip List menu item 85
Quick Navi system 90, 93–94, 121	summoning with In-Camera Guide button 85, 95
QuickTime software 151	Shutter Priority exposure mode for movies 155
	Shutter Priority mode 26–27
R	Shutter release button 9, 87
Door Cryp a flesh setting F2 F4	Shutter speed
Rear Sync flash setting 53–54	range of available settings 23, 26, 30
Record Setting menu item 47, 151–153 Recover Image Database menu item 147	range of available settings for movies 155
Red Eye Reduction menu item 55	Single shooting setting for Drive Mode 47
Release Without Card menu item 4, 126	Single-shot AF setting 55–56, 195
Remote control devices 10	Slide Show menu option 109–110
Sony RM-SPR1 wired remote 190	incompatibility with other settings 109 Slow Sync flash setting 34, 52–53
Sony RMT-VP1K infrared remote 190	Smart Remote Control app 174, 175
Sony RM-VPR1 wired remote 190	Smart Remote Embedded app 174
Vello ShutterBoss II intervalometer 190	Smart Zoom 123
Reset Network Settings menu item 179	Smile/Face Detection menu item 81–82
Resetting camera settings 148	incompatibility with other settings 82
Resolution of images 43	Smile Shutter menu item 82
Right button	Snow scene type setting 36
assigning a function to 133	Soft Skin Effect menu item 82
using to activate Flash Mode menu 88, 97–98	requirement to have Face Detection turned on 82
Rotate menu item 110	Soft Skin scene type setting 36
S	Sony HX80 and HX90V cameras
3	differences between 1
Saturation	general features of 1
adjusting 71–72	items supplied with in box 3
Scene mode 30–37	Sony HX90 camera
incompatibility with other settings 30	same as HX90V but without GPS 1
methods of selecting a scene type 30–31	Speaker 102
Scene recognition feature 21	Specify Printing menu item 112 Spot option for Metering Mode 64–65
requires face detection to be on to recognize faces 22	SSID/PW Reset menu item 179
using for macro shots 184	SteadyShot (Movies) menu item 84, 156–157
Scene Selection menu item 31, 84	cropping of video image with 156
Sekonic C-700 color meter 66 Select REC Folder menu item 146	Step-by-step guides
Self-portrait Timer menu item 100, 127	connecting with NFC 172–173
Self-timer 49, 195	sending images to a computer 168–170
basic procedure for using 17, 49	sending images to a smartphone 170–171
incompatibility with other settings 49	taking pictures in Auto mode 11
using for closeup photography 49	using smartphone as remote control for camera 173–175
using with exposure bracketing 51	Step Zoom option 88, 133–134
Self-timer (Continuous) 49	not available for movies 133, 164
using to take multiple shots 49	Street photography 185–186
Self-timer During Bracket menu option 51	extracting still frames from HD video for 185
Send to Computer menu item 168-170, 176	Sunset scene type setting 33
Send to Smartphone menu item 10, 171, 176	Superior Auto mode 22–23
activating with Function button 94	difference from Intelligent Auto mode 22

activating with Function button 94

Sweep Panorama mode. See iSweep Panorama mode

T

Tables

behavior of camera for video recording in various modes 160

functions of Control ring with Standard setting 131 maximum zoom range at various image sizes 125 number of images that fit on 16 GB memory card 44 Shooting menu items that can be adjusted during video recording 160

suggested control assignments for movie recording 163 suggested settings for Auto Mode still images 12 suggested settings for movies in Intelligent Auto mode 18 suggested settings for panoramas 38

suggested Shooting menu settings for recording movies in Movie mode 163

Television set, playing images and videos on 185 Tile Menu menu option 41, 138–139

Time-lapse photography 195

Time zone

selecting 145

Tripod socket 102

Tv notation for shutter speed 27

U

Upload Settings menu item 138
USB Connection menu item 143, 168
using MTP option for downloading camera apps 143
USB LUN Setting menu item 143
USB Power Supply menu item 144
Use GPS Assist Date menu item 137

V

Version menu item 148
VGA setting for Image Size 44
available only with 4:3 aspect ratio 44
Viewfinder Brightness menu item 89, 135
View Mode menu item 19, 108
View on TV menu item 177
Vividness setting for Photo Creativity feature 15
Volume setting for movies
changing 20, 135–136
Volume Settings menu item 135–136

W

WD TV Live media player 177
White balance bracketing 50–51
changing order of exposures 51, 52
incompatibility with other settings 50
White balance comparison chart 67–68
White Balance menu item 65–68
adjusting setting with color axes 67, 195
incompatibility with other settings 67
Wide option for Focus Area 59

Wi-Fi menu 176–179
Wi-Fi router
using to send images to computer from camera 169
Wind Noise Reduction menu item 84, 158
Windows Movie Maker software 20, 151–153, 166
WPS button on router 169, 178
WPS Push menu item 169, 178
Write Date menu item 128

\mathbf{X}

XAVC S HD format for movies 151 editing with computer 20

7

Zebra menu item 114–115
Zoom Function on Ring menu item 123, 133–134, 164
Zoom lever 9, 87–88
adjusting speed of zooming 88, 122–123
using to display index screen 19, 88
using to enlarge images 19, 88
using to zoom in and out when shooting 13, 87
Zoom Setting menu item 123–125
incompatibility with other settings 125
Zoom Speed menu item 122–123