



Overview

Created on **31 July 2023 14:30**

Camera

Model **Nikon D850**
Serial Number **6007735**
Firmware **1.30**

Snapshot

Title **RTL Demo**
Created on **31 July 2023 14:30**
Number of Settings **319**
Notes Demonstration camera setup

Software

Version **FoCal 3.10 (3.10.0.12470W)**
Decoder Version **02/23208**


Guide to settings

A setting value shown in **bold** indicates it is different from the factory default value.
A row shown in grey will not be written to the camera when this Snapshot is applied.
🔒 shows the setting is read-only and cannot be modified.

Playback Menu

Setting	Value	Factory Default
Auto image rotation	On	

Photo Shooting Menu

Setting	Value	Factory Default
Shooting menu bank	A	
Shooting Bank Name A		
Shooting Bank Name B		
Shooting Bank Name C	Night	
Shooting Bank Name D		
Extended menu banks	On	Off
Secondary slot function	RAW primary - JPEG secondary	Overflow
Image area - Choose image area	FX	
Image area: Auto DX crop	On	
Image quality mode	RAW	JPEG (NORMAL)
Image size	Size L (FX, 8256x5504; 45.4 M)	
NEF (RAW) recording: Compression type	Lossless compressed RAW	
Image size (RAW)	Size L (FX, 8256x5504; 45.4 M)	
NEF (RAW) recording - NEF (RAW) bit depth	14-bit	
ISO sensitivity	100	
ISO sensitivity (Extended)	100	
Auto ISO sensitivity control	On	Off
Auto ISO Maximum sensitivity	12800	25600
Flash Auto ISO Maximum Sensitivity	No flash attached	
Auto ISO Minimum shutter speed	Auto	
ISO Auto Shutter Time Correction Value	Normal	
White Balance	Auto	
Picture Control	Custom picture control 1	Auto
Color space	sRGB	
Active D-Lighting	Off	
Long exposure NR	Off	
High ISO NR	Normal	
Vignette control	Normal	
Auto distortion control	Off	
Flicker reduction - Flicker reduction setting	Off	
Metering mode	Matrix metering	
 Focus mode	Single AF servo	
AF-area mode	Single-point AF mode	

Setting	Value	Factory Default
Auto bracketing set	AE & flash	
HDR: mode	Off	
HDR: Smoothing	Normal	
HDR: Exposure differential	Auto	
Silent shooting (Live view photography)	Off	

Movie Shooting Menu

Setting	Value	Factory Default
Record Destination	Slot 1	
Image area: Choose image area	FX	
Image size/frame rate	1920x1080 60p	
Image area: DX auto crop	On	
Quality	High quality	
File type	MOV	
Maximum ISO sensitivity	25600	
Auto ISO control (mode M)	Off	
ISO sensitivity (mode M)	100	
Picture Control	Same as photography setting	
White Balance	Same as photo settings	
Active D-Lighting	Off	
High ISO NR	Normal	
Decrease Flicker	Auto	
Electronic VR	Off	
Microphone sensitivity	Auto sensitivity	
Microphone sensitivity: Manual sensitivity	15	
Attenuator	Off	
Frequency response	Wide range	
Wind noise reduction	Off	

Custom Setting Menu

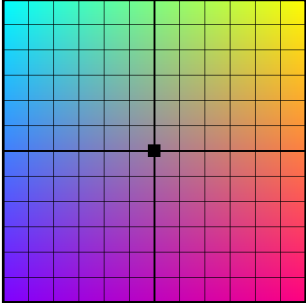
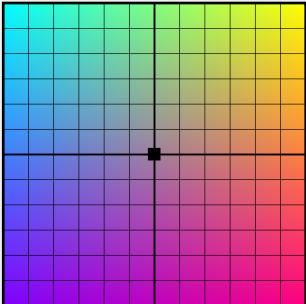
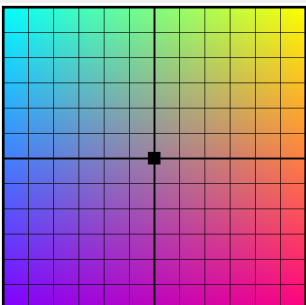
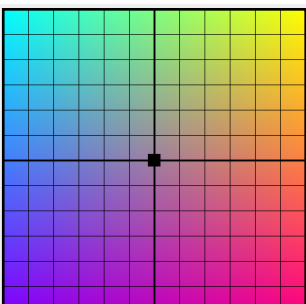
Setting	Value	Factory Default
Custom settings bank	A	
Custom Bank Name A		
Custom Bank Name B		
Custom Bank Name C		
Custom Bank Name D		
Focus: AF-C priority selection	Release	
Focus: AF-S priority selection	Focus	
Focus: Focus tracking with lock-on – Across	High Sensitivity	Normal Sensitivity
Focus: Focus tracking with lock-on – Move	2	
Focus: Capture area on 3D tracking	Wide	Normal
Focus: Face detection on 3D tracking	On	Off
Focus: Number of focus points	55 points	
Focus: Limit AF-area mode selection	0	
Focus: AF mode restrictions	No restrictions	
Focus: Focus point wrap-around	No wrap	
Metering/exposure: Metering/exposure – ISO sensitivity step value	1/3 step	
Metering/exposure: EV steps for exposure control	1/3 step	
Metering/exposure: Exposure Comp EV Step	1/3 step	
Metering/exposure: Face detection on matrix metering	Face detection On	
Metering/exposure: Center-weighted area	Φ12 mm	
Metering/exposure: Fine-tune optimal exposure - Center-weighted metering	0 EV	
Metering/exposure: Fine-tune optimal exposure - Spot metering	0 EV	
Metering/exposure: Fine-tune optimal exposure - Highlight-weighted metering	0 EV	
Metering/exposure: Fine-tune optimal exposure - Matrix metering	0 EV	
Shooting/display: Continuous shooting speed – Continuous low-speed	5 fps	

Setting	Value	Factory Default
Shooting/display: Burst Max Number	200	
Shooting/display: Exposure delay mode	Off	
Shooting/display: Electronic front curtain shutter	Off	
Shooting/display: File number sequence	On	
Bracketing/flash: Flash sync speed	1/250 s	
Bracketing/flash: Flash shutter speed	1/60 s	
Bracketing/flash: Exposure Comp Flash Used	Entire frame	
Bracketing/flash: Auto bracketing (mode M)	Flash/speed	
Bracketing/flash: Bracketing order	[0] -> [-] -> [+]	
Controls: Shutter speed lock	Off	
Controls: Aperture lock	Off	
Controls: Controls (Customize command dials) – Aperture setting	Sub-command dial	
Movie: Movie Assign custom button – Shutter button	Take photos	
Movie: Video Zebra Pattern Brightness detection range	224	248

Setup Menu

Setting	Value	Factory Default
 Date and time	01/01/2017 00:03:17	01/01/2017 00:00:00
Non-CPU lens data: Lens number	0	
Non-CPU lens data: Focal length (mm)	Not set	
Non-CPU lens data: Maximum aperture	Not set	
Image Sensor Cleaning	Clean at startup & shutdown	
Image comment	<empty>	
Image comment: Attach comment	Not attached	
 Artist	Reikan Tech	<empty>
Artist Value	Reikan Tech	<empty>
 Copyright	Reikan Tech	<empty>
Copyright Value	Reikan Tech	<empty>
Attach copyright information	Attached	Not attached
HDMI: Control external recording	Off	
Slot empty release lock	Enable release	

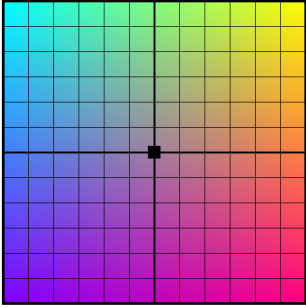
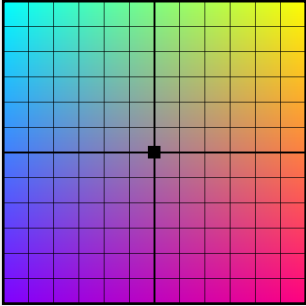
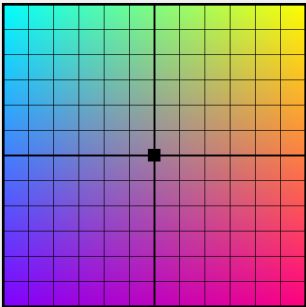
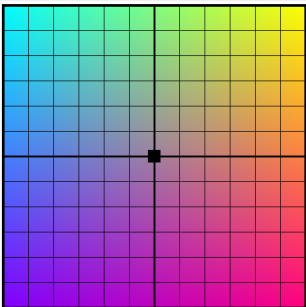
White Balance

Setting	Value	Factory Default
Type of White balance - Auto	Keep warm lighting colors	White priority
Auto Fine Tune	 <p>A-B 0.0 G-M 0.0</p>	
Natural light auto Fine Tune	 <p>A-B 0.0 G-M 0.0</p>	
Direct sunlight Fine Tune	 <p>A-B 0.0 G-M 0.0</p>	
Cloudy Fine Tune	 <p>A-B 0.0 G-M 0.0</p>	

FoCal Snapshot

RTL Demo (Nikon D850 s/n:6007735)

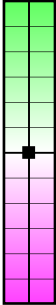
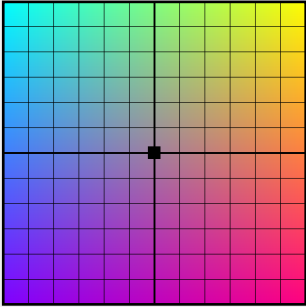
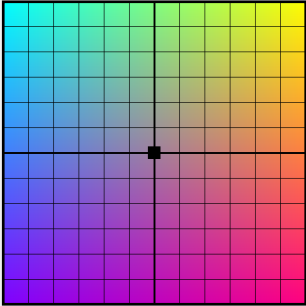


Setting	Value	Factory Default
Shade Fine Tune	 A-B 0.0 G-M 0.0	
Incandescent Fine Tune	 A-B 0.0 G-M 0.0	
Fluorescent light source	White fluorescent lamp	
Fluorescent Fine Tune	 A-B 0.0 G-M 0.0	
Flash Fine Tune	 A-B 0.0 G-M 0.0	

FoCal Snapshot

RTL Demo (Nikon D850 s/n:6007735)

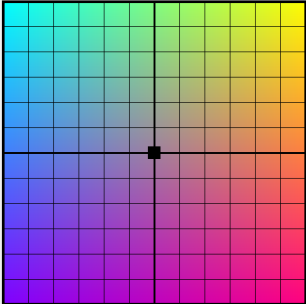
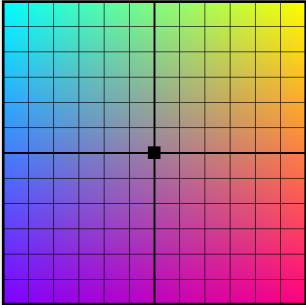
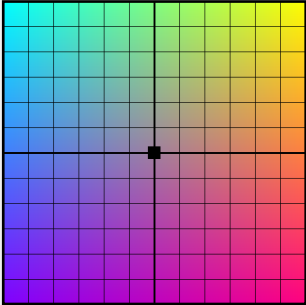


Setting	Value	Factory Default
Color Temp	5000K	
Choose color temp. Fine Tune	 0.0	
Preset manual	d-1	
<input type="checkbox"/> Preset d-1 Value	RGain=1.89551 BGain=1.37549	RGain=1.00000 BGain=1.00000
Preset d-1 Fine Tune	 A-B 0.0 G-M 0.0	
Preset d-1 Comment		
Preset d-1 Protection	Off	
<input type="checkbox"/> Preset d-2 Value	RGain=1.89551 BGain=1.37549	RGain=1.00000 BGain=1.00000
Preset d-2 Fine Tune	 A-B 0.0 G-M 0.0	

FoCal Snapshot

RTL Demo (Nikon D850 s/n:6007735)


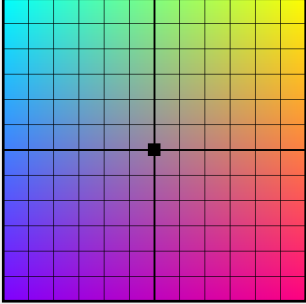


Setting	Value	Factory Default
Preset d-2 Comment		
Preset d-2 Protection	Off	
Preset d-3 Value	RGain=1.89551 BGain=1.37549	RGain=1.00000 BGain=1.00000
Preset d-3 Fine Tune	 A-B 0.0 G-M 0.0	
Preset d-3 Comment		
Preset d-3 Protection	Off	
Preset d-4 Value	RGain=1.89551 BGain=1.37549	RGain=1.00000 BGain=1.00000
Preset d-4 Fine Tune	 A-B 0.0 G-M 0.0	
Preset d-4 Comment		
Preset d-4 Protection	Off	
Preset d-5 Value	RGain=1.89551 BGain=1.37549	RGain=1.00000 BGain=1.00000
Preset d-5 Fine Tune	 A-B 0.0 G-M 0.0	

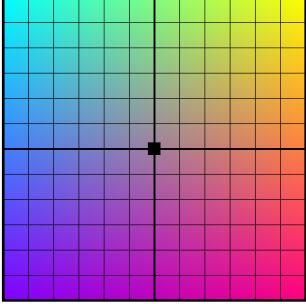
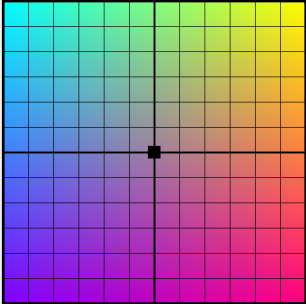
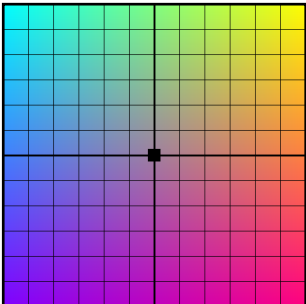
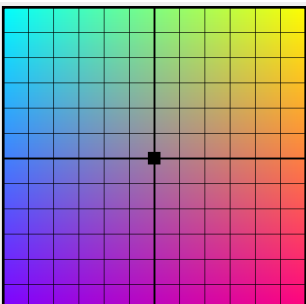
FoCal Snapshot

RTL Demo (Nikon D850 s/n:6007735)



Setting	Value	Factory Default
Preset d-5 Comment		
Preset d-5 Protection	Off	
 Preset d-6 Value	RGain=1.89551 BGain=1.37549	RGain=1.00000 BGain=1.00000
Preset d-6 Fine Tune	 A-B 0.0 G-M 0.0	
Preset d-6 Comment		
Preset d-6 Protection	Off	

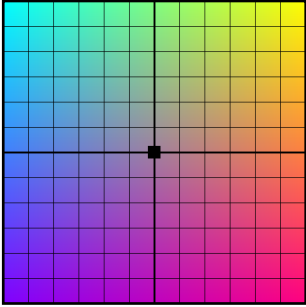
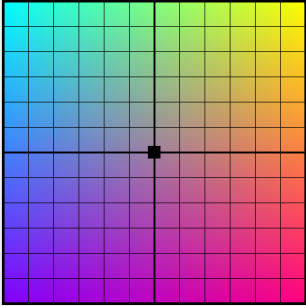
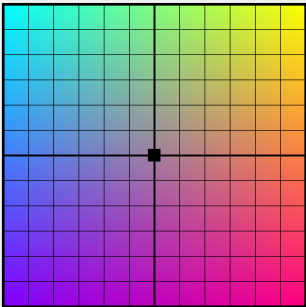
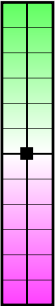
Movie White Balance

Setting	Value	Factory Default
Type of White balance: Auto	White priority	
Tune Auto	 A-B 0.0 G-M 0.0	
Tune Natural	 A-B 0.0 G-M 0.0	
Tune Sunny	 A-B 0.0 G-M 0.0	
Tune Cloudy	 A-B 0.0 G-M 0.0	

FoCal Snapshot

RTL Demo (Nikon D850 s/n:6007735)

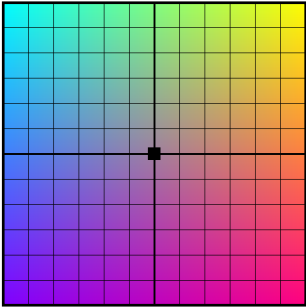
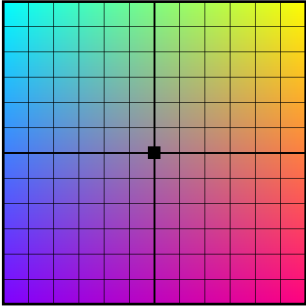
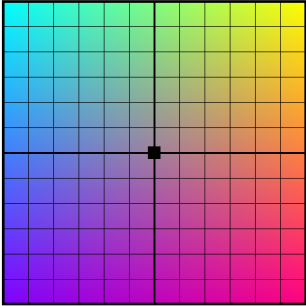


Setting	Value	Factory Default
Tune Shade	 A-B 0.0 G-M 0.0	
Tune Incandescent	 A-B 0.0 G-M 0.0	
Fluorescent Type	White fluorescent lamp	
Tune Fluorescent	 A-B 0.0 G-M 0.0	
Color Temperature	5000K	
Tune Color Temperature	 0.0	

FoCal Snapshot

RTL Demo (Nikon D850 s/n:6007735)



Setting	Value	Factory Default
Preset manual	d-1	
Preset d-1 Value	RGain=1.89551 BGain=1.37549	RGain=1.00000 BGain=1.00000
Preset d-1 Fine Tune	 A-B 0.0 G-M 0.0	
Preset d-1 Comment		
Preset d-1 Protection	Off	
Preset d-2 Value	RGain=1.89551 BGain=1.37549	RGain=1.00000 BGain=1.00000
Preset d-2 Fine Tune	 A-B 0.0 G-M 0.0	
Preset d-2 Comment		
Preset d-2 Protection	Off	
Preset d-3 Value	RGain=1.89551 BGain=1.37549	RGain=1.00000 BGain=1.00000
Preset d-3 Fine Tune	 A-B 0.0 G-M 0.0	

FoCal Snapshot

RTL Demo (Nikon D850 s/n:6007735)

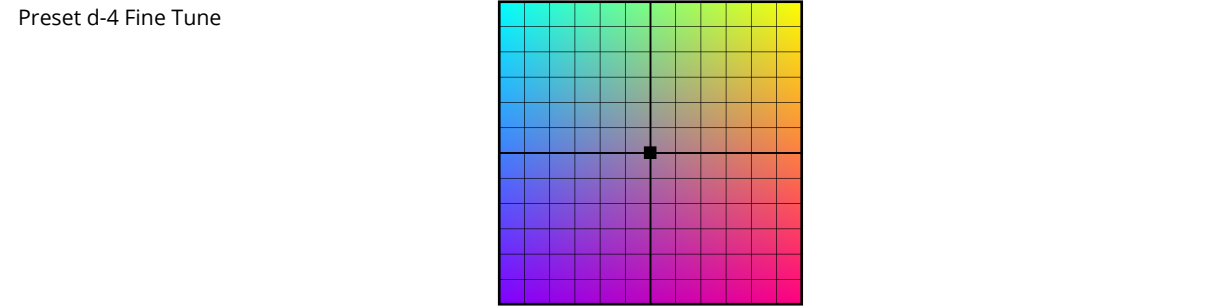


Setting	Value	Factory Default
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Preset d-3 Comment

Preset d-3 Protection Off

Preset d-4 Value **RGain=1.89551 BGain=1.37549** **RGain=1.00000 BGain=1.00000**

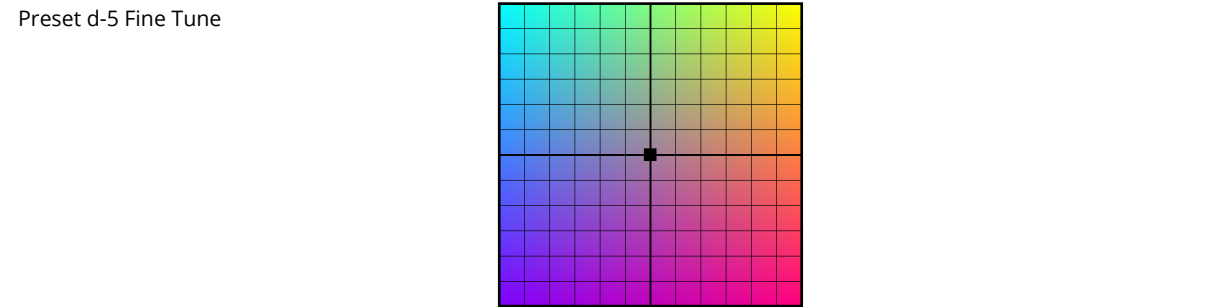


A-B 0.0 G-M 0.0

Preset d-4 Comment

Preset d-4 Protection Off

Preset d-5 Value **RGain=1.89551 BGain=1.37549** **RGain=1.00000 BGain=1.00000**

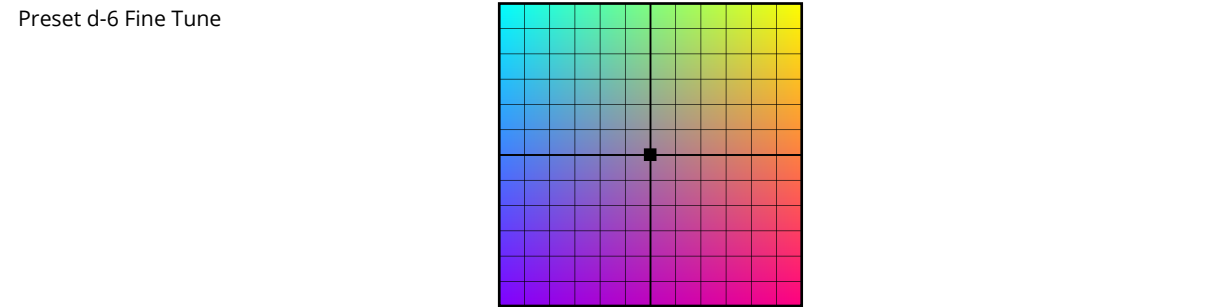


A-B 0.0 G-M 0.0

Preset d-5 Comment

Preset d-5 Protection Off


Preset d-6 Value **RGain=1.89551 BGain=1.37549** **RGain=1.00000 BGain=1.00000**



A-B 0.0 G-M 0.0

Setting	Value	Factory Default
Preset d-6 Comment		
Preset d-6 Protection	Off	

Bracketing

Setting	Value	Factory Default
Enable Bracketing	Off	
Auto Exposure Bracketing Step	1EV	1/3EV
Auto Exposure Bracketing Pattern	2 images (normal and under)	3 images (normal, under and over)
 Auto Exposure Bracketing Count	1	
White Balance Bracketing Step	1 EV	
White Balance Bracketing Pattern	3 images (normal, under and over)	
Active D-Lighting Bracketing Pattern	Two shots (Off -> User setting)	
Active D-Lighting Bracketing Step	Auto	

Picture Control

Setting	Value	Factory Default
Standard	STANDARD (based on Standard) Quick Adjust: 0 Saturation: 0.0 Hue: 0.0 Sharpening: 3.0 Contrast: 0.0 Brightness: 0.0 Clarity: 1.0	
Neutral	NEUTRAL (based on Neutral) Saturation: 0.0 Hue: 0.0 Sharpening: 2.0 Contrast: 0.0 Brightness: 0.0 Clarity: 0.0	
Vivid	VIVID (based on Vivid) Quick Adjust: 0 Saturation: 0.0 Hue: 0.0 Sharpening: 4.0 Contrast: 0.0 Brightness: 0.0 Clarity: 1.0	
Monochrome	MONOCHROME (based on Monochrome) Filter Effect: Off Toning: Black & White Toning Density: 0.0 Sharpening: 3.0 Contrast: 0.0 Brightness: 0.0 Clarity: 4	

Portrait

PORTRAIT (based on Portrait)

Quick Adjust: 0

Saturation: 0.0

Hue: 0.0

Sharpening: 2.0

Contrast: 0.0

Brightness: 0.0

Clarity: 0.0

Setting	Value	Factory Default
Landscape	LANDSCAPE (based on Landscape) Quick Adjust: 0 Saturation: 0.0 Hue: 0.0 Sharpening: 4.0 Contrast: 0.0 Brightness: 0.0 Clarity: 1.0	
Flat	FLAT (based on Flat) Saturation: 0.0 Hue: 0.0 Sharpening: 1.0 Contrast: 0.0 Brightness: 0.0 Clarity: 0.0	
Auto	AUTO (based on Auto) Quick Adjust: 0 Saturation: 0.0 Hue: 0.0 Sharpening: 0.0 Contrast: 0.0 Brightness: 0.0 Clarity: 0.0	
Custom picture control 1	VIVID-02 (based on Vivid) Saturation: 1.0 Hue: 0.0 Sharpening: 9.0 Contrast: 3.0 Brightness: 0.0 Clarity: 5.0	VIVID-02 (based on Vivid) Saturation: 0.0 Hue: 0.0 Sharpening: 4.0 Contrast: 0.0 Brightness: 0.0 Clarity: 1.0
Custom picture control 2	Unused	
Custom picture control 3	Unused	
Custom picture control 4	Unused	
Custom picture control 5	Unused	


Setting	Value	Factory Default
Custom picture control 6	Unused	
Custom picture control 7	Unused	
Custom picture control 8	Unused	
Custom picture control 9	Unused	

Movie Picture Control












Setting	Value	Factory Default
Standard	STANDARD (based on Standard) Quick Adjust: 0 Saturation: 0.0 Hue: 0.0 Sharpening: 3.0 Contrast: 0.0 Brightness: 0.0 Clarity: 1.0	
Neutral	NEUTRAL (based on Neutral) Saturation: 0.0 Hue: 0.0 Sharpening: 2.0 Contrast: 0.0 Brightness: 0.0 Clarity: 0.0	
Vivid	VIVID (based on Vivid) Quick Adjust: 0 Saturation: 0.0 Hue: 0.0 Sharpening: 4.0 Contrast: 0.0 Brightness: 0.0 Clarity: 1.0	
Monochrome	MONOCHROME (based on Monochrome) Filter Effect: Off Toning: Black & White Toning Density: 0.0 Sharpening: 3.0 Contrast: 0.0 Brightness: 0.0 Clarity: 4	
Portrait	PORTRAIT (based on Portrait) Quick Adjust: 0 Saturation: 0.0 Hue: 0.0 Sharpening: 2.0 Contrast: 0.0 Brightness: 0.0 Clarity: 0.0	

Setting	Value	Factory Default
Landscape	LANDSCAPE (based on Landscape) Quick Adjust: 0 Saturation: 0.0 Hue: 0.0 Sharpening: 4.0 Contrast: 0.0 Brightness: 0.0 Clarity: 1.0	
Flat	FLAT (based on Flat) Saturation: 0.0 Hue: 0.0 Sharpening: 1.0 Contrast: 0.0 Brightness: 0.0 Clarity: 0.0	
Auto	AUTO (based on Auto) Quick Adjust: 0 Saturation: 0.0 Hue: 0.0 Sharpening: 0.0 Contrast: 0.0 Brightness: 0.0 Clarity: 0.0	
Custom picture control 1	Unused	
Custom picture control 2	Unused	
Custom picture control 3	Unused	
Custom picture control 4	Unused	
Custom picture control 5	Unused	
Custom picture control 6	Unused	
Custom picture control 7	Unused	
Custom picture control 8	Unused	
Custom picture control 9	Unused	

Live View






Setting	Value	Factory Default
Live view selector	Live view photography	
Live View Image Zoom Ratio	Entire display	
Exposure preview	Off	
Live View White Balance	Off	
Detection Peaking	Off	
Movie Exposure Metering Mode	Matrix metering	
Live View Button Mode	TFT On/Off	
 Live View Screen Status	Off	

External Flash


Setting	Value	Factory Default
 External Flash Mounted	Not mounted	
 External Flash Communications Status	Noncommunication	
 External Flash Charge Status	Not charged	
 External Flash Mode	Off	
 Flash Compensation	0	
 External Flash Commander Mode	Stand-alone flash (Commander mode is invalid or not supported)	
External Flash Wireless Mode	Stand-alone flash	
External Flash Wireless Multiple Flash Mode	Group flash units	
 External Flash Available Group	Cannot be used	
Remote (WR) setting - Link mode	Pairing mode	
Remote (WR) setting: Pin Code	0	
 Radio Multiple Flash Channel	0	
Optical Multiple Flash Channel	255	1
 Flash Range Display	Meter	
 All Test Firing Disable	1	Enable firing
External Flash Lock State	Unlock	
 External Flash Ready State	Uncharged	

Camera Information


Setting	Value	Factory Default
Remaining battery level	80%	100%
Orientation	Landscape or not fixed	
Angle Level	0.0°	∞°
Angle Level Pitching	359.0°	∞°
Angle Level Yawing	-1.0°	∞°
Active Slot	Card not inserted	
Exposure Remaining	0	
Continuous Shooting Count	0	200
Focus Area		
	48	1
AF mode	AF-S	
AF mode (Live View)	AF-S	
AF-area mode	Normal-area AF	
Auto Exposure (AE) Lock Status	Lock released	
AutoFocus (AF) Lock Status	Lock released	
Flash Value (FV) Lock Status	Lock released	
Flexible Program	0	
Internal Flash Compensation	0	
ISO Control Sensitivity	100	
Exposure Display Status	0	
Exposure Indicate Status	0 EV	
Exposure Indicate Lightup	Off	On
Mirror Up Status	Mirror-down	
Mirror Up Release Shooting Count	0	
Warning Status	0	
Info Display Error Status	Off	
Lens Sort	CPU lens mounted	
Lens Type	51	1

Setting	Value	Factory Default
 Lens ID	160	0
 Lens Min Focal Length	50mm	
 Lens Max Focal Length	50mm	
 Lens Min (Widest) Aperture	f/1.4	
 Lens Max (Narrowest) Aperture	f/1.4	f/16

Power Supply

Setting	Value	Factory Default
 Multi Battery Info	Not installed.	

General

Setting	Value	Factory Default
 Focal length	50mm	
Shooting mode	[A] Aperture priority auto	[P] Program auto
Aperture value	f/1.4	
Shutter speed	1/100s	1/10000s
Shutter speed	1/100s	1/8000s
Exposure compensation	0 EV	
Movie aperture value	f/0	
Movie Shutter Speed	1/8000s	
Movie Exposure Bias Compensation	0	
Flash mode	Front curtain sync	
Release mode	Continuous low-speed shooting (CL)	Single-frame shooting (S)