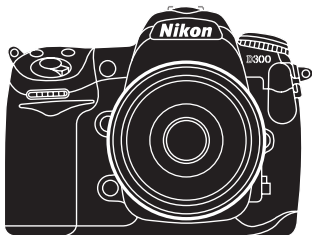


# ***Nikon***



## Quick Guide

# D300



En

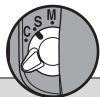
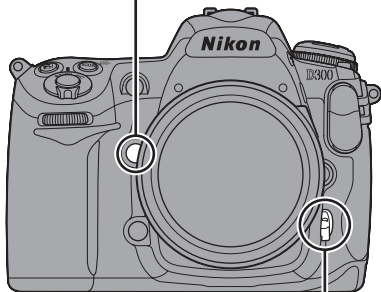
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# Buttons and Dials

## Depth-of-field preview button

Preview depth of field.



## Focus-mode selector

### Modes S and C (autofocus)

The camera focuses using autofocus (AF) when shutter-release button is pressed halfway. In mode **S** (single-servo AF), focus locks when the camera focuses. In mode **C** (continuous-servo AF), the camera continues to adjust focus until the shutter is released (pg. 28).

### Mode M (manual)

Focus is adjusted manually using the lens focusing ring.

## Buttons and Dials

### **(playback) button**

View photographs in the monitor (pg. 24).



### **(info) button**

Display the focus point, shutter speed, and other shooting information in the monitor (pg. 33).



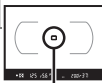
### **(playback zoom in)/**

### **(thumbnail/playback zoom out) button**

During playback, press the  button to zoom in. When the image is zoomed in, press the  button to zoom out.

### **AF-area mode selector**

Choose how the camera selects the focus point for autofocus.




Focus point


#### **Auto-area AF**

The camera automatically detects the subject and selects the focus point.

#### **Dynamic-area AF**

The user selects the focus point with the multi selector (if focus selection is locked, rotate the focus selector lock to ). If the subject briefly leaves the selected focus point in focus mode C (pg. 3), the camera will focus based on information from surrounding focus points (pg. 28).

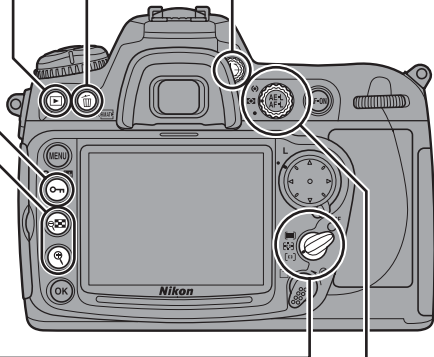
#### **Single-area AF (default)**

The user selects the focus point with the multi selector (if focus selection is locked, rotate the focus selector lock to ); the camera focuses on the subject in the selected focus point only.

 **(delete) button**  
(pg. 24)

### **Diopter adjustment control**

Rotate until the display in the viewfinder is in focus.



### **Metering selector**

Rotate the metering selector to choose a metering method.



#### **Center-weighted (pg. 30)**

Assigns the greatest weight to the center of the frame.



#### **Matrix**

Meters most of the frame.

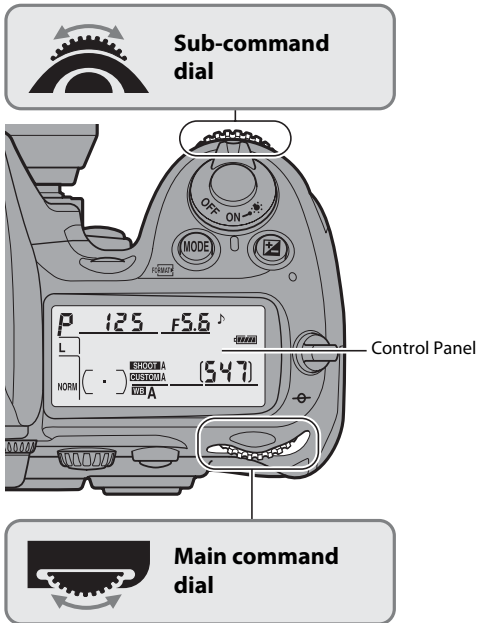


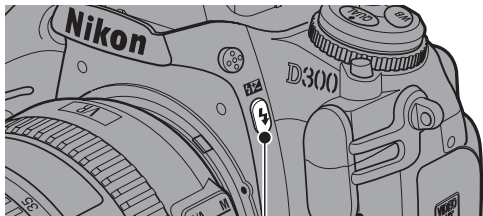
#### **Spot**

Meters the selected focus point.

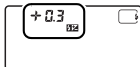
# The Command Dials

The settings that can be adjusted by pressing a button and rotating a command dial are listed below.

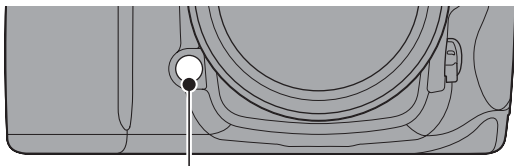
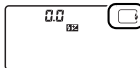




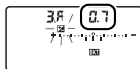
**Adjust flash compensation**



**Choose flash mode**






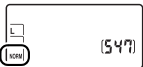

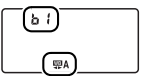

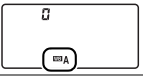

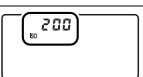
**Select bracketing exposure increment**

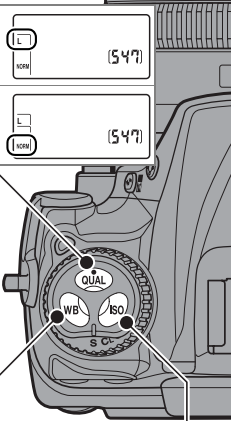


**Activate or cancel bracketing/select number of shots in bracketing sequence**



## The Command Dials

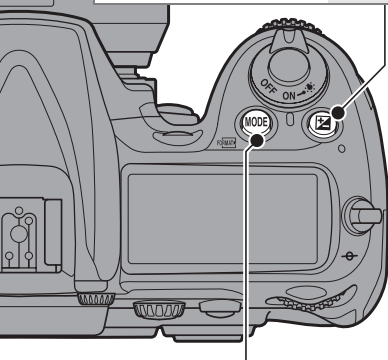
<b>Choose an image size*</b>		
<b>Set image quality*</b>		
<b>Fine-tune white balance*/Set color temperature*/Choose a white balance preset*</b>		
<b>Choose a white balance setting*</b>		
<b>Set ISO sensitivity*</b>		



## Set exposure compensation



+0.3



## Choose the exposure mode



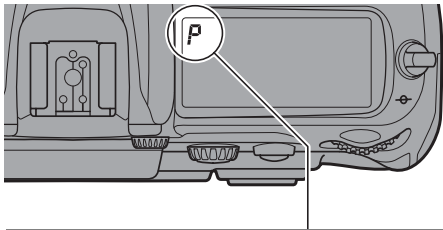
P 1/250 F5.6

P	Programmed Auto
S	Shutter-Priority Auto
A	Aperture-Priority Auto
M	Manual

\* Can also be adjusted from the shooting menu (pg. 25).

## The Command Dials

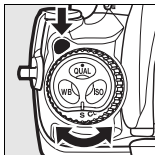
Once the exposure mode has been selected, the following settings can be adjusted by rotating the command dials (pg. 9).









<b>P</b>	<b>Choose a combination of aperture and shutter speed</b>		
<b>S</b>	<b>Choose a shutter speed</b>		
<b>A</b>	<b>Choose an aperture</b>		
<b>M</b>	<b>Choose an aperture</b>		
<b>M</b>	<b>Choose a shutter speed</b>		

# Release Mode

Choose from the following six release modes. To choose a release mode, press the release mode dial lock release and rotate the release mode dial.

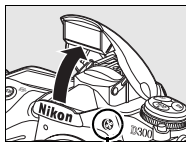


Mode		Description
	<b>Single frame</b>	One photograph is taken each time the shutter-release button is pressed.
	<b>Continuous low speed</b>	The camera takes photographs at a slow rate while the shutter-release button is pressed.
	<b>Continuous high speed</b>	The camera takes photographs at a fast rate while the shutter-release button is pressed.
	<b>Live view</b>	Frame photographs in the monitor (pg. 14).
	<b>Self-timer</b>	Take pictures with the self-timer.
	<b>Mirror up</b>	Raise the mirror before taking photographs.

# Using the Flash

## 1 Raise the flash.

Press the flash pop-up button. The built-in flash will pop up and begin charging. When the flash is fully charged, the flash-ready indicator (⚡) will light.

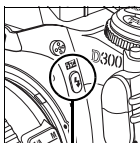


Flash pop-up button

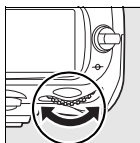


## 2 Choose a flash mode.

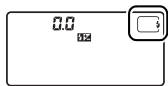
Press the ⚡ button and rotate the main command dial until the desired flash mode icon is displayed in the control panel.



⚡ button



Main command dial



Control panel

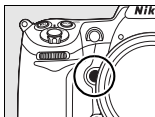
Display	Mode
	Front-curtain sync
	Red-eye reduction
	Red-eye reduction with slow sync

Display	Mode
	Slow sync
	Rear-curtain sync

### 3 Take pictures.

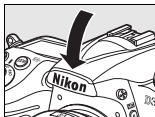
You should be at least 60 cm (2 ft.) from your subject when using the flash. If the flash is raised in continuous low speed (CL) or continuous high speed (CH) release modes, only one photograph will be taken each time the shutter-release button is pressed.

To preview the effects of the flash, press the depth-of-field preview button. The camera will emit a modeling preflash (pg. 35).



### 4 Lower the flash.

Press the flash gently downward until it clicks into place.



## Flash Sync Speed

If [1/320 s (Auto FP)] is selected for Custom Setting e1 ([Flash sync speed], pg. 34), the built-in flash and optional SB-800, SB-600, and SB-R200 flash units can be used at shutter speeds as fast as 1/320 s.

Shutter speed	[Flash sync speed] set to [1/320 s (Auto FP)]	
	Built-in flash	Optional flash unit
1/8,000–1/320 s	—	Auto FP
1/320–30 s	Flash sync	

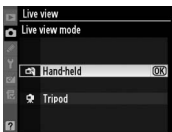
# Live View

## Hand-Held

### 1 Choose [Hand-held] mode.



Press the release mode dial lock and rotate the release mode dial to **Lv** (live view).



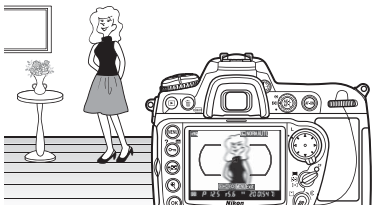
In the shooting menu, select [Hand-held] for [Live view] > [Live view mode]. The [Release mode] option in the [Live view] menu can be used to choose from single frame and continuous release modes.

### 2 Display the view through the lens in the monitor.



Press the shutter-release button all the way down. The view through the lens will be displayed in the monitor.

Frame the photograph in the monitor.



### 3 Focus.



or



While framing the photograph in the monitor, press the shutter-release button halfway or press one of the AF-ON buttons.



The mirror will click down, the monitor will turn off, and the camera will focus.

### 4 Check the composition and shoot.



Release the shutter-release or AF-ON button and check the composition in the monitor.



Press the shutter-release button all the way down to shoot. You will hear two clicks as the mirror drops into place and the shutter is released.

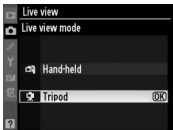
# Live View

## Tripod

### 1 Choose [Tripod] mode.



Press the release mode dial lock release and rotate the release mode dial to **Lv** (live view).



In the shooting menu, select [Tripod] for [Live view] > [Live view mode]. The [Release mode] option in the [Live view] menu can be used to choose from single frame and continuous release modes.

### 2 Frame the photograph.

Frame the photograph in the viewfinder and press one of the **AF-ON** buttons to focus.



### 3 Display the view through the lens in the monitor.





Press the shutter-release button all the way down. The view through the lens will be displayed in the monitor.



### 4 Focus.



The camera will focus while the **AF-ON** button is pressed. The view in the monitor can be magnified to check focus by pressing the  button. Press  to exit zoom.

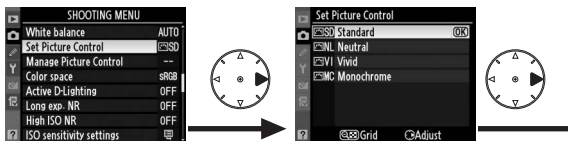
### 5 Check the composition and shoot.







After checking framing and focus, press the shutter-release button all the way down to shoot. You will hear two clicks as the mirror drops into place and the shutter is released.

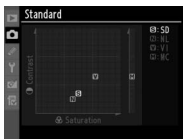
# Picture Controls

Quickly select the final look for your photographs by choosing a pre-existing Nikon Picture Control from the Picture Control menu, or make separate detailed adjustments to individual Picture Control settings.



## Nikon Picture Controls

	<b>Standard</b>	Standard processing for balanced results.
	<b>Neutral</b>	Minimal processing for natural results.
	<b>Vivid</b>	Pictures are enhanced for a vivid, photoprint effect.
	<b>Monochrome</b>	Take monochrome photographs.



## The Picture Control Grid

Shows contrast and saturation for the selected Picture Control.



Thumbnail/playback zoom out button

### SD Standard



Choose a preset variation on the selected picture control for balanced sharpening, contrast, and saturation.

Adjust individual settings manually.

### MC Monochrome

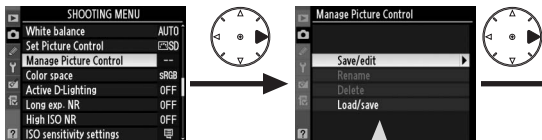


Create the effect of monochrome photographs taken with a color filter.

Choose the tint used in monochrome photographs.

## Picture Controls

### Custom Picture Controls



#### **Save/edit**

Edit an existing Picture Control and save it as a new, custom Picture Control.

#### **Rename**

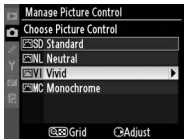
Rename existing custom Picture Controls.

#### **Delete**

Delete custom Picture Controls.

#### **Load/save**

Save custom Picture Controls to the memory card, or load custom Picture Controls created with ViewNX (supplied) or Capture NX (available separately).



Choose an existing Picture Control.



Adjust Picture Control settings.



Choose a destination for the Custom Picture Control.



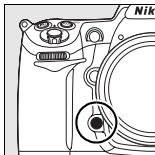
The new Picture Control appears in the Picture Control list.



Enter a name.

# The Fn Button

Custom Setting f4 ([Assign FUNC. button (pg. 22)]) controls the function performed by the **Fn** button, either by itself or in combination with the command dials.\*




	<b>Preview</b>
	<b>FV lock</b>
	<b>AE/AF lock</b>
	<b>AE lock only</b>
	<b>AE lock (Reset on release)</b>
	<b>AE lock (Hold)</b>
	<b>AF lock only</b>
	<b>Flash off</b>
<b>BKT</b>	<b>Bracketing burst</b>
	<b>Matrix metering</b>
	<b>Center-weighted</b>
	<b>Spot metering</b>
	<b>None (default)</b>
	<b>1 step spd/aperture</b>
<b>Non-CPU</b>	<b>Choose non-CPU lens number</b>
<b>BKT</b>	<b>Auto bracketing (default)</b>
<b>[1]</b>	<b>Dynamic AF area</b>
	<b>None</b>

\* Most of the options can also be performed by using either the depth-of-field or the AE-L/AF-L button (pg. 36).




# Guides and Tips

## Help


If a (?) icon is displayed at the bottom left corner of the monitor, help can be displayed by pressing the  (?) button.

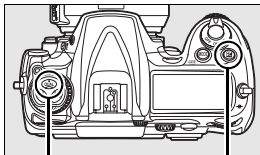


## Formatting Memory Cards

Hold the  (MODE and ) buttons until a blinking **F o r** appears in the viewfinder and control panel. Pressing the  buttons again while the **F o r** indicator is blinking will format the memory card. **Be sure to copy any photographs and other data you wish to keep to a computer before proceeding.** Memory cards can also be formatted in the setup menu (pg. 37).

## Two-Button Reset: Restoring Default Settings

Camera settings can be restored to default values by holding the **QUAL** and  buttons down together for more than two seconds (these buttons are marked by a green dot). Custom Settings are not affected.



**QUAL**  
button

 button

# Menu Guide

## ▶ PLAYBACK MENU









<b>Delete</b>	Selected
	All
<b>Playback folder</b>	ND300 (default)
	All
	Current
<b>Hide image</b>	Select/set
	Deselect all?
<b>Display mode</b>	<b>CF</b> Done
	Basic photo info
	Highlights
	Focus point
	Detailed photo info
	RGB histogram
	Data
<b>Image review</b>	<b>CF</b> On
	Off (default)
<b>After delete</b>	<b>CF</b> Show next (default)
	Show previous
	Continue as before
<b>Rotate tall</b>	<b>CF</b> On
	Off (default)




Items marked with a **CF** icon can be saved to the memory card using the [Save/load settings] > [Save settings] option in the camera setup menu (pg. 39). The saved settings can be copied to other D300 cameras by inserting the memory card into the camera and selecting [Save/load settings] > [Load settings].

<b>Slide show</b>	Start
	Frame interval
<b>Print set (DPOF)</b>	Select/set
	Deselect all?



## SHOOTING MENU

<b>Shooting menu bank</b> 	A (default)
	B
	C
	D
	Rename
<b>Reset shooting menu</b>	Yes
	No (default)
<b>Active folder</b>	New folder number (default)
	Select folder
<b>File naming</b> 	File naming
<b>Image quality</b>   +  (pg. 8)	NEF (RAW)+JPEG fine
	NEF (RAW)+JPEG normal
	NEF (RAW)+JPEG basic
	NEF (RAW)
	TIFF (RGB)
	JPEG fine
	JPEG normal (default)
	JPEG basic
<b>Image size</b>   +  (pg. 8)	Large (default)
	Medium
	Small

## Menu Guide

<b>JPEG compression</b>	<b>CF</b>	Size priority (default)	
		Optimal quality	
<b>NEF (RAW) recording</b>	<b>CF</b>	Type	
		NEF (RAW) bit depth	
<b>White balance</b>	<b>CF</b>	Auto (default)	
		 (pg. 8)	Incandescent
		Fluorescent	
		Direct sunlight	
		Flash	
		Cloudy	
		Shade	
		Choose color temp.	
		Preset manual	
		<b>Set Picture Control</b>	<b>CF</b>
Neutral			
Vivid			
Monochrome			
<b>Manage Picture Control</b>	<b>CF</b>	Save/edit (default)	
		Rename*	
		Delete*	
		Load/save	
<b>Color space</b>	<b>CF</b>	sRGB (default)	
		Adobe RGB	

\* Not available if no custom Picture Controls are present.

<b>Active D-Lighting</b>	<b>CF</b>	High
		Normal
		Low
		Off (default)
<b>Long exp. NR</b>	<b>CF</b>	On
		Off (default)
<b>High ISO NR</b>	<b>CF</b>	High
		Normal (default)
		Low
		Off
<b>ISO sensitivity settings</b>	<b>CF</b>	ISO sensitivity
		 +  (pg. 8)
<b>ISO sensitivity auto control</b>		
<b>Live view</b> (pg. 14)	<b>CF</b>	Live view mode
		Release mode
<b>Multiple exposure</b>		Done
		Number of shots
		Auto gain
<b>Interval timer shooting</b>		Choose start time (default)
		Now
		Start time

## Menu Guide

### CUSTOM SETTING MENU

<b>Custom setting bank</b>		<b>CF</b>
A		(default)
B		
C		
D		
Rename		
<b>Reset custom settings</b>		
Yes		
No		(default)
<b>a Autofocus</b>		<b>CF</b>
a1 AF-C priority selection	Release	(default)
	Release + focus	
	Focus	
a2 AF-S priority selection	Release	
	Focus	(default)
a3 Dynamic AF area*	9 points	(default)
	21 points	
	51 points	
	51 points (3D-tracking)	
a4 Focus tracking with lock-on	Long	
	Normal	(default)
	Short	
	Off	

\* Only applies when focus mode selector is rotated to mode **C**.

<b>a Autofocus</b>		<b>CF</b>
a5 AF activation	Shutter/AF-ON	(default)
	AF-ON only	
a6 AF point illumination	Auto	(default)
	On	
	Off	
a7 Focus point wrap-around	Wrap	
	No wrap	(default)
a8 AF point selection	51 points	(default)
	11 points	
a9 Built-in AF-assist illuminator	On	(default)
	Off	
a10 AF-ON for MB-D10	AF-ON	(default)
	AE/AF lock	
	AE lock only	
	AE lock (Reset on release)	
	AE lock (Hold)	
	AF lock only	
	Same as FUNC. button	

## Menu Guide

<b>b Metering/exposure</b>		<b>CF</b>
b1 ISO sensitivity step value	1/3 step	(default)
	1/2 step	
	1 step	
b2 EV steps for exposure cntrl.	1/3 step	(default)
	1/2 step	
	1 step	
b3 Exp comp/fine tune	1/3 step	(default)
	1/2 step	
	1 step	
b4 Easy exposure compensation	On (Auto reset)	
	On	
	Off	(default)
b5 Center-weighted area	φ 6 mm	
	φ 8 mm	(default)
	φ 10 mm	
	φ 13 mm	
	Average	
b6 Fine tune optimal exposure	Yes	
	No	(default)

**c Timers/AE lock**

c1 Shutter-release button AE-L	On	
	Off	(default)
c2 Auto meter-off delay	4 s	
	6 s	(default)
	8 s	
	16 s	
	30 s	
	1 min.	
	5 min.	
	10 min.	
	30 min.	
No limit		
c3 Self-timer delay	2 s	
	5 s	
	10 s	(default)
	20 s	
c4 Monitor off delay	10 s	
	20 s	(default)
	1 min.	
	5 min.	
	10 min.	

## Menu Guide

d Shooting/display		CF
d1 Beep	High	(default)
	Low	
	Off	
d2 Viewfinder grid display	On	
	Off	(default)
d3 Viewfinder warning display	On	(default)
	Off	
d4 CL mode shooting speed	7 fps	
	6 fps	
	5 fps	
	4 fps	
	3 fps	(default)
	2 fps	
	1 fps	
d5 Max. continuous release	1–100	
d6 File number sequence	On	(default)
	Off	
	Reset	

<b>d Shooting/display</b>		<b>CF</b>
d7 Shooting info display	Auto	(default)
	Manual	
d8 LCD illumination	On	
	Off	(default)
d9 Exposure delay mode	On	
	Off	(default)
d10 MB-D10 battery type	LR6 (AA alkaline)	(default)
	HR6 (AA Ni-MH)	
	FR6 (AA lithium)	
	ZR6 (AA Ni-Mn)	
d11 Battery order	Use MB-D10 batteries first	(default)
	Use camera battery first	







## Menu Guide

e Bracketing/flash		CF
e1 Flash sync speed	1/320 s (Auto FP)	
	1/250 s (Auto FP)	
	1/250 s	(default)
	1/200 s	
	1/160 s	
	1/125 s	
	1/100 s	
	1/80 s	
	1/60 s	
e2 Flash shutter speed	1/60 s	(default)
	1/30 s	
	1/15 s	
	1/8 s	
	1/4 s	
	1/2 s	
	1 s	
	2 s	
	4 s	
	8 s	
	15 s	
30 s		

<b>e Bracketing/flash</b>		<b>CF</b>
e3 Flash cntrl for built-in flash	TTL	(default)
	Manual	
	Repeating flash	
	Commander mode	
e3 Optional flash*	TTL	(default)
	Manual	
e4 Modeling flash	On	(default)
	Off	
e5 Auto bracketing set	AE & flash	(default)
	AE only	
	Flash only	
	WB bracketing	
e6 Auto bracketing (Mode M)	Flash/speed	(default)
	Flash/speed/aperture	
	Flash/aperture	
	Flash only	
e7 Bracketing order	MTR > under > over	(default)
	Under > MTR > over	

\* Changes to [Optional flash] when an optional SB-400 flash unit is attached and turned on.

## Menu Guide

f Controls		CF
f1	Multi selector center button*	Shooting mode
		Playback mode
f2	Multi selector	Reset meter-off delay
		Do nothing (default)
f3	Photo info/playback	Info  /Playback 
		Info  /Playback  (default)
f4	Assign FUNC. button (pg. 22)	FUNC. button press
		FUNC. button+dials
f5	Assign preview button	Preview button press
		Preview+command dials
f6	Assign AE-L/AF-L button	AE-L/AF-L button press
		AE-L/AF-L+command dials
f7	Customize command dials	Reverse rotation (default)
		Change main/sub
		Aperture setting
		Menus and playback
f8	Release button to use dial	Yes
		No (default)
f9	No memory card?	Release locked
		Enable release (default)
f10	Reverse indicators	 (default)
		

\* The default for [Shooting mode] is [Select center focus point].  
The default for [Playback mode] is [Thumbnail on/off].

## Y SETUP MENU

<b>Format memory card</b>	Yes
	No
<b>LCD brightness</b>	-3 - +3
<b>Clean image sensor</b> (CF)	Clean now
	Clean at startup/shutdown
<b>Lock mirror up for cleaning</b>	Start
<b>Video mode</b> (CF)	NTSC
	PAL
<b>HDMI</b> (CF)	Auto (default)
	480p (progressive)
	576p (progressive)
	720p (progressive)
	1080i (interlaced)
<b>World time</b> (CF)	Time zone
	Date and time
	Date format
	Daylight saving time

## Menu Guide

<b>Language</b>	<b>CF</b>	Deutsch	
		English	
		Español	
		Suomi	
		Français	
		Italiano	
		Nederlands	
		Polski	
		Português	
		Русский	
		Svenska	
		中文（繁體）	
		中文（简体）	
		日本語	
	한글		
<b>Image comment</b>	<b>CF</b>	Done	
		Input comment	
		Attach comment	
<b>Auto image rotation</b>	<b>CF</b>	On	(default)
		Off	
<b>USB</b>	<b>CF</b>	Mass Storage	
		MTP/PTP	(default)
<b>Dust off ref photo</b>		Start	
		Clean sensor and then start	
<b>Battery info</b>		–	


<b>Wireless transmitter</b>	Mode
	Transfer settings
	Print
	Device info
	Device settings
<b>Image authentication</b> (CF)	On
	Off (default)
<b>Save/load settings</b>	Save settings
	Load settings
<b>GPS</b> (CF)	Auto meter off
	Position
<b>Non-CPU lens data</b> (CF)	Done
	Lens number
	Focal length (mm)
	Maximum aperture
<b>AF fine tune</b>	AF fine tune (On/Off)
	Saved value
	Default
	List saved values
<b>Firmware version</b>	–


## Menu Guide

### RETOUCH MENU

<b>D-Lighting</b>	High	
	Normal	(default)
	Low	
<b>Red-eye correction</b>	–	
<b>Trim</b>	–	
<b>Monochrome</b>	Black-and-white	(default)
	Sepia	
	Cyanotype	
<b>Filter effects</b>	Skylight	(default)
	Warm filter	
<b>Color balance</b>	–	
<b>Image overlay</b>	–	
<b>Side-by-side comparison</b>	–	

### MY MENU

<b>Add items</b>		Playback menu	(default)
		Shooting menu	
		Custom setting menu	
		Setup menu	
		Retouch menu	
<b>Remove items*</b>	–		
<b>Rank items</b>	–		

\* Items can also be deleted by highlighting them in My Menu and pressing the  button twice.