

## **En Roles Assignable to Z9 Custom Controls**

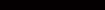
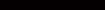
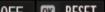
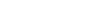
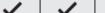
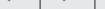
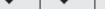
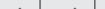
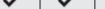
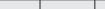
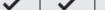
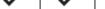
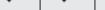
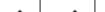
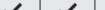
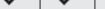
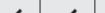
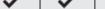
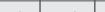
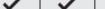
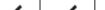
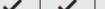
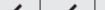
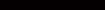
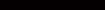
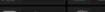
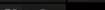
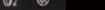
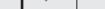
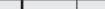
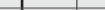
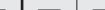
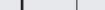
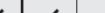
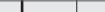
Users can choose the roles played by certain camera controls during still photography, video recording, and playback. This document provides a list of the functions that can be assigned to each control.

• The items shown may vary with the lens and with lens and camera firmware. The tables that follow list the items shown when a NIKKOR Z 70–200mm f/2.8 VR S lens with lens firmware version 1.21 is attached to a camera with “C” firmware version 5.00.

## **Still Photography**

The roles played by custom controls during still photography are chosen using Custom Setting f2 [Custom controls (shooting)].

## ■ Customizable Controls

	<b>Fn1</b> [Fn1 button] <b>Fn2</b> [Fn2 button] <b>Fn3</b> [Fn3 button] <b>Fn4</b> [Fn button for vertical shooting] <b>ISO</b> [Vertical ISO sensitivity button] <b>Focus mode button</b> <b>Protect/Fn4 button</b> <b>AF-ON</b> [AF-ON button] <b>Sub-selector center</b> <b>DISP</b> [DISP button]
	<b>WB</b> button White balance                                                                                    
	<b>Audio</b> [Audio button] <b>OK</b> [OK button] <b>WB</b> [WB button] <b>QUAL</b> [QUAL button] <b>Vertical multi selector center</b> <b>Playback</b> [Playback button] <b>Video record</b> [Video record button] <b>AF-ON</b> [AF-ON button for vertical shooting] <b>ISO</b> [ISO sensitivity button] <b>Exposure compensation</b> [Exposure compensation button]
	<b>Lens Fn</b> button AE/AF lock                                                                                    
	<b>Flash</b> [Flash mode button] <b>Command</b> [Command dials] <b>L-Fn</b> [Lens Fn button] <b>BKT</b> [BKT button] <b>Fn</b> [Lens Fn ring (counterclockwise)] <b>L-Fn2</b> [Lens Fn2 button] <b>M-SET</b> [Lens memory set button] <b>Fn</b> [Lens Fn ring (clockwise)] <b>0</b> [Lens control ring]

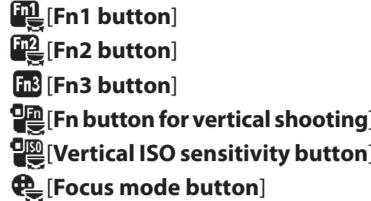
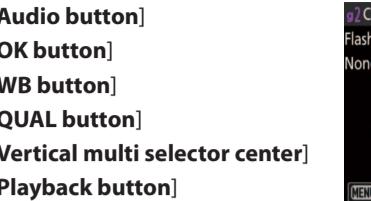
## ■ Available Roles

Role	Fn1	Fn2	Fn3	Fn4	ISO		Fn4	AF-ON	DISP	OK	WB	QUAL		AF-ON	ISO			L-Fn	BKT	Fn	L-Fn2	M-SET	Fn	01
[Skin softening]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	—	✓	—	—
[Portrait impression balance]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	—	✓	—	—
[Metering]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
[Flash mode/compensation]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
[Release mode]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
AF-[•]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
BKT	[Auto bracketing]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
[Multiple exposure]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
HDR	[HDR overlay]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
DLY	[Exposure delay mode]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
LOCK	[Control lock]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
0@	[1 step spd/aperture]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
Non-CPU	[Choose non-CPU lens number]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
M/A	[Focus (M/A)]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ⓐ	[Aperture]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✓
Ⓑ	[Aperture (close)]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✓
Ⓒ	[Aperture (open)]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✓	—	—	—
▼	[Exposure compensation +]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✓
▲	[Exposure compensation -]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✓	—	—	—
ISO+	[ISO sensitivity (increase)]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✓
ISO-	[ISO sensitivity (decrease)]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✓	—	—	—
[None]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Role with command dial	Fn1	Fn2	Fn3	Fn4	ISO		Fn4	AF-ON	DISP	OK	WB	QUAL		AF-ON	ISO			L-Fn	BKT	Fn	L-Fn2	M-SET	Fn	01
[Exposure setting]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✓	—	—	—	—	—
[Focus/AF-area mode selection]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✓	—	—	—	—	—
[Sub-command dial zoom role]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✓	—	—	—	—	—

## Video Recording

The roles played by custom controls during video recording are chosen using Custom Setting g2 [Custom controls].

### ■ Customizable Controls

 Fn1 button Shooting menu bank	 Fn1 [Fn1 button] Fn2 [Fn2 button] Fn3 [Fn3 button] Fn4 [Fn button for vertical shooting] ISO [Vertical ISO sensitivity button] Focus mode button Fn4 [Protect/Fn4 button] AF-ON [AF-ON button] Sub-selector center DISP [DISP button]	 Fn1 [Fn1 button] Audio button Microphone sensitivity	 Audio button OK [OK button] WB [WB button] QUAL [QUAL button] Vertical multi selector center Playback button Video record button AF-ON [AF-ON button for vertical shooting] ISO [ISO sensitivity button] Exposure compensation button	 Fn1 [Fn1 button] Flash mode button None	 Shutter-release button Command dials Flash mode button BKT [BKT button] L-Fn [Lens Fn button] L-Fn2 [Lens Fn2 button] Fn [Lens Fn ring (counterclockwise)] Fn2 [Lens Fn ring (clockwise)] M-SET [Lens memory set button] 0 [Lens control ring]
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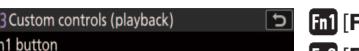
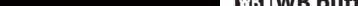
### ■ Available Roles

Role		Fn1	Fn2	Fn3	Fn4	ISO	Fn4	AF-ON	DISP	OK	WB	QUAL	Vertical	Playback	Video	AF-ON	ISO	Fn	Fn	Fn	BKT	L-Fn	L-Fn2	Fn	M-SET	0
PRE <sup>(a)</sup>	[Preset focus point]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
RESET	[Select center focus point]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
FOCUS	[Save focus position]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FOCUS	[Recall focus position]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AF	[Switch eyes]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AF	[Cycle AF-area mode]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AF-ON	[AF-ON]	—	—	—	—	—	—	✓	✓	✓	—	—	—	✓	—	—	—	—	—	✓	✓	✓	✓	✓	✓	—
FAST	[Fast AF-ON]	—	—	—	—	—	—	✓	✓	✓	—	—	—	✓	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	—
AF	[AF lock only]	—	—	—	—	—	—	✓	✓	✓	—	—	—	✓	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	—
AE	[AE lock (Hold)]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
AWB	[AWB lock (hold)]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
AE/AWB	[AE/AWB lock (hold)]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
AE	[AE lock only]	—	—	—	—	—	—	✓	✓	✓	—	—	—	✓	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	—
AE/AF	[AE/AF lock]	—	—	—	—	—	—	✓	✓	✓	—	—	—	✓	—	—	✓	—	—	✓	✓	✓	✓	✓	✓	—
FX/DX	[Switch FX/DX]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
ASSIST	[View assist]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
HF/FICKER	[High-frequency flicker reduction]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
SL	[Silent mode]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
DISP	[Cycle live view info display]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
OFF	[Live view info display off]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
Role		Fn1	Fn2	Fn3	Fn4	ISO	Fn4	AF-ON	DISP	OK	WB	QUAL	Vertical	Playback	Video	AF-ON	ISO	Fn	Fn	Fn	BKT	L-Fn	L-Fn2	Fn	M-SET	0
Framing grid		✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
Zoom on/off		✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
Virtual horizon		✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
PEAK	[Focus peaking display]	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
MY MENU		✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
Access top item in MY MENU		✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
Playback		✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
Filtered playback		✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
Filtered playback (select criteria)		✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
Power aperture (open)		✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Power aperture (close)		—	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exposure compensation +		✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exposure compensation -		—	✓	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ISO +	[ISO sensitivity (increase)]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	✓	—
ISO -	[ISO sensitivity (decrease)]	—	—	—	—																					

## Playback

The roles played by custom controls during playback are chosen using Custom Setting f3 [Custom controls (playback)].

#### ■ Customizable Controls

	<b>Fn1</b> [Fn1 button] Fn1 button None
	<b>Fn2</b> [Fn2 button] WB button Select for upload to computer
	<b>Fn3</b> [Fn3 button]  [Fn button for vertical shooting]
	<b>Fn4</b> [Protect/Fn4 button]
	<b>DISP</b> [DISP button]
	 [Audio button]

## ■ Available Roles

Role	Fn1	Fn2	Fn3	Fn4	DISP	OK	WB	QUAL							ISO	BKT		L-Fn2	L-Fn
Protect	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Delete	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Zoom on/off	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Filtered playback	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	
Filtered playback (select criteria)	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Start series playback	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Voice memo	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Select for upload to computer	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Select for upload (FTP)	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Thumbnail on/off	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	
View histograms	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	
Choose slot and folder	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓	
Cycle info display	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Resume shooting	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Rating	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	—	
RAW processing (current picture)	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
RAW processing (multiple pictures)	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Trim	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Resize (current picture)	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Resize (multiple pictures)	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Role	Fn1	Fn2	Fn3	Fn4	DISP	OK	WB	QUAL							ISO	BKT		L-Fn2	L-Fn
D-Lighting	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Straighten	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Distortion control	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Perspective control	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Monochrome	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Overlay (add)	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Lighten	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Darken	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Motion blend	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
[/ switched]	—	—	—	—	—	—	—	—	—	—	—	✓	—	—	—	—	—	—	
[/ unswitched]	—	—	—	—	—	—	—	—	—	—	—	✓	—	—	—	—	—	—	
[None]	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	✓	✓	✓	✓	✓	✓	
Role with command dial	Fn1	Fn2	Fn3	Fn4	DISP	OK	WB	QUAL							ISO	BKT		L-Fn2	L-Fn
Frame advance	—	—	—	—	—	—	—	—	—	—	✓	✓	—	—	—	—	—	—	
Video playback	—	—	—	—	—	—	—	—	—	—	✓	✓	—	—	—	—	—	—	
Frame advance zoom position	—	—	—	—	—	—	—	—	—	—	✓	✓	—	—	—	—	—	—	
Playback zoom face selection	—	—	—	—	—	—	—	—	—	—	✓	✓	—	—	✓	—	—	—	