Category	Module	Specification / Function	Description	Notes
Hardware	Mainboard	Main Control Scheme	Smart Wi-Fi Image Transmission	—
		PCBA Dimensions	—	Not specified in the original document
		PCB Layers	4-layer PCB	—
		Operating Frequency	Wi-Fi 2.4 GHz	—
		Image Transmission Rate	25–30 fps	—
		Gyroscope	None	—
	Camera	Camera Chip	BF20A6 / BF2013	—
		Pixels	300,000 pixels	—
		Resolution	—	—
	Battery	Battery Type / Capacity	18650 800 mAh	Power: 0.5 W
		Standby Time	—	Standby current: 20 μA
		Operating Time	—	Operating current: 300 mA
		Battery Structure	—	Cut-off voltage unclear in the original document
		Charging Current	Limited to 500 mA by the mainboard	—
	Interface	Charging Current / Interface	5 V / 1 A	—
		Camera Head Structure	—	Not specified in the original document
Software	Power Button	Power On	Press and hold for 2 seconds to power on	"Welcome" is displayed
		Power Off	Press and hold for 2 seconds to power off	"Goodbye" is displayed
		Light Brightness Adjustment	Short press to cycle through light brightness levels from Level 3 to Level 0 (light off), then back to Level 3	The light indicator icon changes accordingly
	Zoom Button	Image Magnification	Short press to cycle through magnification from ×1 to ×3, then back to ×1	The zoom indicator changes accordingly
		Enter / Exit Album	Press and hold for 2 seconds to enter or exit the album	The screen switches to the album
		Album Page Turning	Short press to turn pages in the album	Page-turning function is assigned to this button
		Delete Confirmation	On the album deletion page, short press to switch between Confirm and Cancel	Select "Cancel" or "Delete"
	Photo Button	Photo Capture	Short press to take a photo	A camera icon is displayed, indicating the image has been saved to the memory card
		Return to Video Screen	Press the photo button twice	Returns to the video screen
		Video Recording	Press and hold for 2 seconds to start recording; short press to stop recording	"No Card" is displayed if there is no memory card; recording timer is displayed during recording
		Video Playback	When browsing a video file in the album, short press to play/pause the video	Supports video playback and pause
	Album	Delete Confirmation / Cancellation	After entering the album, users can confirm or cancel deletion	A confirmation dialog box is displayed
	Power Management	Automatic Power-Off	Automatically powers off after 20 minutes of inactivity	—
		Low-Battery Auto Power-Off	Automatically powers off after 5 minutes when the battery is low	—
	Charging	Charging While Powered On	Red indicator remains illuminated and the charging icon is displayed at the top of the screen	Charging icon disappears after 2 seconds if there is no button operation
		Charging While Powered Off	Red indicator remains illuminated and the battery charging icon is displayed	—
		Fully Charged	Red indicator turns off and the screen turns off	—
	Battery	Battery Level Display	4.2–3.9 V: 4 bars; 3.8 V: 3 bars; 3.7 V: 2 bars; 3.6 V: 1 bar; 3.5 V: 1 bar	—
		Low-Battery Warning	At 3.4 V, the battery icon turns red	Device automatically powers off after 5 minutes
	Battery Indicator	Auto-Hide	Battery indicator automatically disappears after 2 seconds if there is no button operation	—