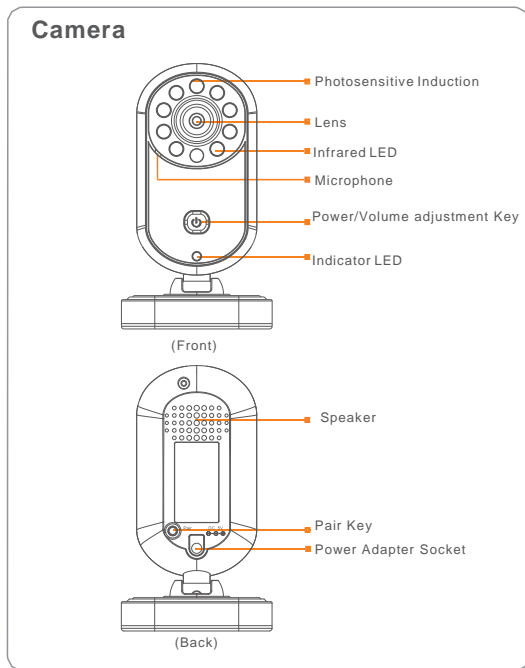# DENVER®

2.4GHz Wireless Baby Cam with 2.4" TFT Display On Monitor
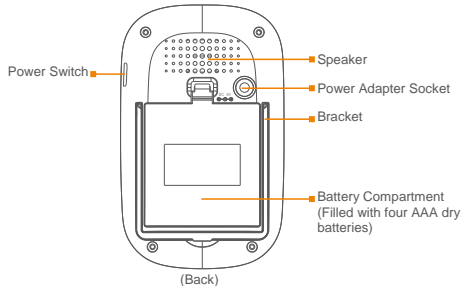
Model: DENVER BC-241

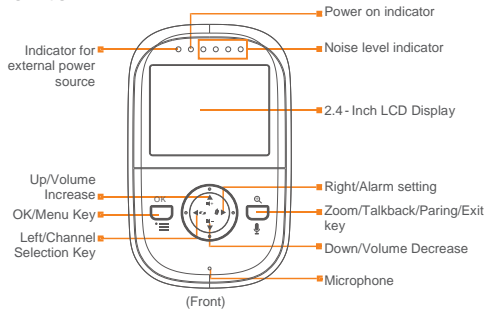www.denver-electronics.com
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I. Appearance introduction

Camera

Photosensitive Induction

Lens

Infrared LED

Microphone

Power/Volume adjustment Key

Indicator LED

(Front)

Speaker

Pair Key

Power Adapter Socket

(Back)

Monitor

Indicator for external power source

Power on indicator

Noise level indicator

2.4 - Inch LCD Display

Up/Volume Increase

Right/Alarm setting

OK/Menu Key

Zoom/Talkback/Paring/Exit key

Left/Channel Selection Key

Down/Volume Decrease

Microphone

(Front)

Power Switch

Speaker

Power Adapter Socket

Bracket

Battery Compartment (Filled with four AAA dry batteries)

(Back)

II. Operation and use

✦ **Turn on/Shutdown**

Camera: Press and hold power button ⏻ at least 3 seconds to turn on/shut down the device.

Monitor: Press power switch ⏻ to turn on, and press and hold at least 3 seconds to shut down the device.
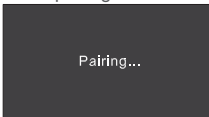
✦ **Pairing**

It's required to pair the units before using.

1. Press and hold power button ⏻ and talkback button 🎤 of monitor simultaneously in shutdown mode until enter into the pairing interface, select the desired channel with the direction key.

2. Press OK button to start pairing after finishing channel selection.

3. Turn on the camera, then short press Pair key for pairing within 60 seconds, the monitor will show a message once pairing successfully.

4. Follow the message to exit the pairing interface to real time state and the image will display in the monitor. Note: It will return to real time state if the pairing operation is failed or not complete within 60 seconds.

✦ Talkback

Press and hold the talkback button 🎤 of monitor and speak, and sound will be heard at the camera side. The user will not hear the sound from the camera side during talkback operation until the button is released.

✦ Voice Sensor

It has three levels for voice sensor, low, medium and high. The monitor will enter into power-saving mode when the sound detected by camera under the threshold, and the device will be activated automatically and return to monitoring state once the sound reach to threshold.

✦ General Settings

1. Press menu ═ under real-time monitoring and enter the main interface of menu.

Alert Ringtone ——

Screen Display ——

Voice Sensor
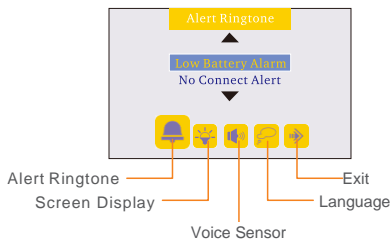
—— Exit

—— Language

2. User can set for Alert Ringtone, Screen Display, Voice Sensor, Language and Exit after entering the main interface of menu, for detailed operation please refer to the following instruction:

Press left button ◀ or right button ▶ to select items, press up button ▲ or down button ▼ to select parameters, press OK button to confirm and press ⊕ button to return.

✦ **Screen wake up**

The monitor has two kinds of black screen mode, which can be waked up after black screen:

1. **Screen back light mode:** click the menu ▤ under real-time monitoring status, and enter into the menu main interface → select screen display → select automatic screen off (there are 5 grades of automatic screen off (Keep On, 10 Sec, 30 Sec, 1Min, 3 Min). If the "Keep On" selected, the monitor will not be black screen; if other time selected, the monitor will not be waked up by voice, and just clicking any one button on the monitor can wake the screen up.

2. **Sleep mode:** click the menu ▤ under real-time monitoring status, and enter into the menu main interface → select the voice sensitivity (there are 4 grades of selection on voice sensitivity: low, medium, high and off) .If the "off" selected, the monitor will not be black screen; if others selected, the monitor can be waked up through voice at the camera side after the black screen of the monitor; and it can also be waked up by clicking any button on the monitor.

Warm Tips:

※   When the monitor is disconnected with camera, there will be Beep sound to give an alarm and "No Connect" warning is displayed.

※   When the baby's crying sound increases, the noise level indicator LED will increase accordingly.

※   When battery power is low, the monitor will display "Low Battery" warning, please change battery or connect to an external power source.

※   Volume Adjustment

The camera features 5 levels of volume adjustment. The default volume of the camera is set at Level 3, and the user can make adjustment by single pressing the power switch. The volume level goes from level 1 to level 5 circularly.

III. Packing List

Please check the completion of accessories after opening the package.

| Camera x1 | Monitor x1 | Power Adaptor x2 | Quick Guide x1 |

*   The picture is for reference only, actual product may differ in appearance.

IV. Technical Parameters

Camera	
Item	**Parameter**
Image Sensor	CMOS
Effective Pixels	640*480
Viewing angle (horizontal)	35° (Max.)
Night Visual Range	≤ 2m
AF Sensitivity	≤-38dB
Transmitting Frequency	2,400~2,483.5 MHz
Transmitting Power	17±2dBm
Receiving Sensitivity	-80dBm (Min.)
Modulation Mode	GFSK
Unobstructed Effective Range	200m (Max.)
Working Voltage	DC +5V
Working Current	300mA (Max.)
Working Temperature	0°C~+40°C
Working Humidity	15%~85%RH
Dimension (L*W*H)	57x57x100mm
Weight	60g

Monitor	
Item	Parameter
Screen Type	2.4" TFT LCD
Screen Resolution	320*240
Data Bandwidth	3MHz
Transmission speed	3Mbps
AF Sensitivity	≤-38dB
Working Frequency	2400－2483.5MHz
Transmitting Power	17±2dBm
Receiving Sensitivity	-80dBm (Min.)
Modulation/Demodulation Mode	GFSK
Unobstructed Effective Range	200m (Max.)
Working Voltage	DC +5V (or 4AAA batteries)
Working Current	450mA (Max.)
Working Temperature	-10°C~+40°C
Working Humidity	15~85%RH
Dimension (L*W*H)	106x66x23mm
Weight	78g

※ All parameters subject to minor changes without notice.

※ No further notice will be given for any tiny changes to the figures in this User's Manual.

Hereby, Inter Sales A/S, declares that this product (DENVER BC-241) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. A copy of the Declaration of conformity may be obtained at:

Inter Sales A/S
Stavneagervej 22,
DK-8250 Egaa
Denmark

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