



Přenosný video monitor Portable Video Monitor



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PORTABLE DIGITAL WIRELESS VIDEOMONITOR SYSTEM

Thank you very much for the purchase of CMD 6129S Tiny product. We wish you pleasant pictures whenever the Tiny is on.

FEATURES OF THE TINY VIDEO MONITOR

- ▶ Digital wireless technology provides excellent image quality and clarity
- ▶ An interference-free, secure and private signal
- ▶ Up to 450 ft (150 m) wireless transmission range (maximum open-space transmission range). The actual range is dependent upon building construction and other objects, materials and other obstructions in the path of the wireless signal.
- ▶ Listening-in with exceptional sound clarity
- ▶ Safety warning feature notifies you when out of range

Camera (baby unit):

- ▶ High resolution camera
- ▶ Automatic night vision for low light viewing up to 15 feet / 4.5 meters (Under ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.)
- ▶ Built-in microphone
- ▶ Camera can be mains powered or powered from accumulator (recharged when the adaptor is plugged in)

Receiver (parents' unit):

- ▶ 2.4" color LCD monitor with superior image quality
- ▶ Video and audio output for viewing on TV or recording
- ▶ Rechargeable lithium polymer battery for true portability
- ▶ Convenient receiver cradle and belt clip included
- ▶ Audio level indicator

GETTING STARTED

The system comes with the following components:

Please check your package contents to confirm that you have received the complete system, including all the components shown below. If anything is missing, please contact your distributor.



RECEIVER

a) Front of the Receiver

- 1. Receiver Antenna** – Should not be close to the metallic parts.
- 2. Power and Audio Level LEDs** – The green LED indicates the receiver power is ON. The red LEDs indicate the received audio levels (low to high).
- 3. LCD Screen** – Displays video from the camera.
- 4. MENU Button** – Press to access the receiver menu. Press the button again to exit the menu.
- 5. Navigation Controls and OK Button** – Setting of parameters in viewing mode and moving in the menu.
Viewing Mode (= live video): The arrow controls are used while watching live video from the camera:
▶ Press the UP/DOWN ▲▼ arrows to increase or decrease the volume.

Menu: Use the UP/DOWN/LEFT/RIGHT ▲▼◀▶ arrows to move in Menu. Press the OK button to confirm the selected option in the menu.

- 6. SCAN Button** – When the SCAN button is pressed, the LCD screen is turned off but the camera continuously watches the given space. If any sound is detected by the camera above the preset audio level, the receiver will beep and display the picture from the monitored area for 5 seconds. The receiver will return to scan mode about 5 seconds after activation by sound. To exit scan mode press any button except the OK button on the front panel of the receiver. The scan feature can be used for the following two reasons:

- a) during the night to prevent the user from being disturbed by the bright LCD screen (i.e. when sleeping),
- b) to prolong the viewing period when battery powered (one charging).

- 7. Speaker** – for sound reproduction.

- 8. Belt Clip and Wall Mount** – Use the belt clip to enable the carrying of the receiver with you or you can use the wall mount hole to hang the receiver on a wall (screw not included).

- 9. Stand** – when you take the plastic stand away from the receiver, you can place it on a flat surface. When battery charging is needed, use the receiver cradle.



b) Bottom of the Receiver

10. Pair Button – This button is not used for Tiny monitor.

c) Side of the Receiver

11. Night Light Button – Press to turn the night light ON or OFF remotely on the active camera.

12. Alarm +/- Button – To set the volume level of the transmitted sound and of the receiver beeping.

13. Power Button – Press to turn the receiver ON or OFF.

14. Audio and Video Output – The receiver can be connected with a TV, monitor or a recording device via the included audio / video cable to view video from a camera. The same output is on the receiver cradle.

NOTE: When the audio / video cable is connected the LCD screen turns off. The LCD screen will turn back on when the audio / video cable is disconnected.

15. Power Input (9V DC) – For connecting of power adaptor (included in the kit).



d) Receiver Cradle Inputs

16. Audio and Video Output – Connect the included audio / video cable to view video from the receiver on a TV, monitor or to record it (when docked).

NOTE: The Audio and Video Output function will not work if the cradle is not connected to the mains. When the audio / video cable is connected, the LCD screen is switched off. It is switched on again when the audio / video cable is disconnected.

17. Power Input (DC 9V) – Connect the included power adaptor (DC 9V) to the receiver cradle to power the receiver or to charge the receiver accumulator (when docked).



RECEIVER INSTALLATION

You can use the wireless receiver in the receiver cradle or you can connect the mains cable directly to the receiver:

1. Carefully unpack the receiver and the receiver cradle.
2. Place the receiver cradle or receiver in a place that will have clear reception from your camera.
3. Plug the AC adaptor power cable into the input socket on the cradle or on the receiver and connect it to the mains.
4. The receiver should be charged for 6 hours prior to first usage so the built-in rechargeable battery is fully charged. Do not remove the adaptor cable from the receiver or the cradle during the initial charging process. After this, the receiver should be charged as required.
5. If you would like to view the video on a larger screen, connect the included AV cable to the cradle or receiver, and connect the other end of the cable to the Video IN (yellow) and Audio IN (white) ports on the TV or other device.

NOTE: The video resolution is set for VGA (640x480 pixels), so the picture might be grainy when displayed on the larger screen. This is not a product defect. For best TV performance use the PIP (Picture in Picture) TV function. This function allows you to view a TV program as well as the video from the camera placed in a small window in the corner.

CAMERA

a) Front & Back of the Camera

1. **Camera Antenna** – Should not be close to the metallic parts.
2. **Night Light Switch** – The button itself is used as a night light (press to switch the night light ON or OFF). Alternatively you can use the button 11 on the receiver to switch the camera light ON or OFF remotely.
3. **Lens/IR LED Cover** – Infrared LEDs enable better vision during low or no light.
4. **Microphone** – Hears all the sounds in the monitored room and transmits them to the wireless receiver.
5. **Power (9V DC)** – To connect the 9V DC power adaptor to the camera.

NOTE: The camera can also be powered by a rechargeable accumulator (included) or 4 AA batteries. The batteries would only be used if there is no mains power. When powered from an AC adaptor, inserted accumulator would be recharged.

6. **Pair Button** – This button is not used for Tiny monitor..



b) Side of the Camera

7. **Volume Setting** – To adjust the sound alarm sensitivity. The receiver will beep to alert the user when the sound is above the preset sound level. Adjust the side wheel to increase or decrease the level.
8. **Camera ON/OFF Switch** – To switch the camera ON or OFF.



CAMERA INSTALLATION

Before you install the camera, carefully plan where and how it should be positioned, and where you will route the cable of the power adaptor. It is also needed to check the image quality on the receiver before the camera is installed permanently. The best is to place the wireless receiver on the most common place where it will be used.

Installation Warnings

Place the camera to optimize the viewing area – select a location that provides a clear view of the area you want to monitor, which is free from dust and is not in line-of-sight of a strong light source or direct sunlight. Avoid installing the camera where there are thick walls or any obstructions between the camera and the receiver.

Night Vision

The camera has built-in infrared LEDs, which provides the camera with the ability to view a monitored space in poor light conditions. It is important to use the provided power adaptor (and not the batteries) with the night vision feature to prolong the viewing period in poor light conditions, as the built-in IR LEDs will drain the battery more quickly than in regular daytime use.



INSTALLING THE CAMERA

1. Carefully unpack the camera and remove the foil on IR LED cover.
2. Mount the camera on a wall
Mark the position of the screw holes on the wall, drill the holes and screw 2 screws into them, then firmly attach the camera to the wall by placing the stand over the installed screws and pushing the base downwards.

NOTE: The camera can also be simply placed on a flat surface without any special installation needed.

3. Adjust the camera to monitor the requested area.



Position the base holes over the screws. Slide the base down to lock the base in place.

CONNECTING THE CAMERA TO THE POWER

The camera can be powered either by the provided power adaptor or using the included rechargeable accumulator (or 4 AA batteries, not included).

NOTE: If you plan to permanently mount the camera on a wall location, it is recommended to use the included camera power adaptor to prevent interruptions to the image, as using battery power is only intended as a temporary power solution.

Power Adaptor

Connect the power adaptor to the camera. Make sure the power adaptor is plugged into an outlet.

Rechargeable Accumulator

1. Remove the battery cover from the base of the camera.
2. Insert the included rechargeable accumulator into the battery compartment. Make sure to correctly line up the positive (+) and negative (-) terminals of the accumulator.
3. Put the battery cover back on.

NOTE: If the camera is connected to the AC adaptor, the batteries will not be used, although the accumulator would be recharged. **The accumulator is intended for short term usage only.**



Connect the 9V adaptor to the Power Input on the back side of the camera

VIEWING MODE

1. **Signal Indicator** – shows the strength of the signal being received from the camera. The number of bars in the signal indicator shows the strength of the signal.

Signal Strength	Indicator	Warning
Perfect	Full bars	None
Good	3 bars	None
Fair	2 bars	Low Signal
Low	1 bar	Low Signal
No Signal	No bars	No Signal

2. **Channel Indicator** – Displays the current channel number. Press the RIGHT arrow ► on the receiver to switch between available cameras.

Note: This option is not available for the Tiny monitor.

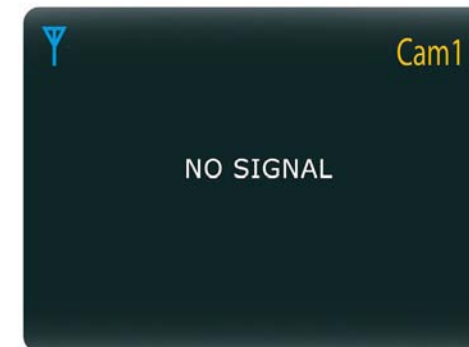


LOW SIGNAL AND NO SIGNAL WARNINGS

When the receiver is positioned too far from the camera, the following warning messages are displayed:



LOW SIGNAL: The "LOW SIGNAL" appears when the receiver has one or two bars. You will still get an image, however updating may be less frequent.



NO SIGNAL: The "NO SIGNAL" message means the receiver cannot access the camera. Please reposition the camera, or check the camera power.

ADJUSTING THE RECEIVER VOLUME

The receiver volume can be adjusted by using the UP/DOWN arrows ▲▼ while watching the video.

Press the DOWN arrow ▼ to decrease the volume and the UP arrow ▲ to increase the volume. When the volume is set to one bar (lowest setting), the volume is muted.

The volume strength indicator is shown on display while the volume is being adjusted and will disappear 10 seconds after final setting.



ACCESSING MENU OPTIONS OF THE RECEIVER

Press the MENU button on the receiver to enter the menu options. Use the navigating arrows to move up/down/left/right in the menu, and press the OK button to confirm a selection.

Main Menu

The Main Menu contains 4 submenus:

1. **PAIRING** – For adding more cameras to the receiver.

NOTE: This option is not available for the Tiny monitor.

2. **EV** – Adjusts the exposure level of the camera.
3. **POWER SAVING** – Turns on the receiver power save mode (when no activity on the camera is detected, the LCD screen on receiver will switch off).
4. **SETTING** – Sets the AV output options and resets the receiver to factory defaults (erases all configurations).

Pairing Submenu

Function not available for Tiny monitor. The system comes with a single camera that has already been paired. When you switch on the receiver and the camera, you are able to see the video immediately.



EV Menu

The EV Menu is used to adjust the exposure of the camera.

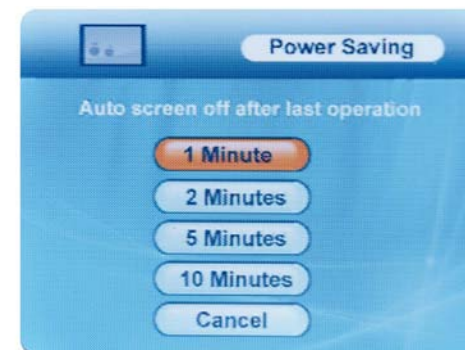
Use the LEFT ◀ and RIGHT ▶ arrows to change the bar from darkest (left) to lightest (right). Press the OK button to accept the setting.

Power Saving Submenu

The Power Saving Menu is used to turn off the LCD screen at a preset time to save the battery. This function can be set from 1 minute to up to 10 minutes. The Cancel option switches this feature off.

When the Power Saving option is on, the LCD screen would only be switched on by activation by the preset volume level or by pushing any button on the front of the receiver.

When the LCD screen is activated by button pushing, it will turn back to Power Saving mode after the preset time expires. If it is activated by sound in the monitored area, it will go back to a black screen after 5 seconds.



Setting Submenu

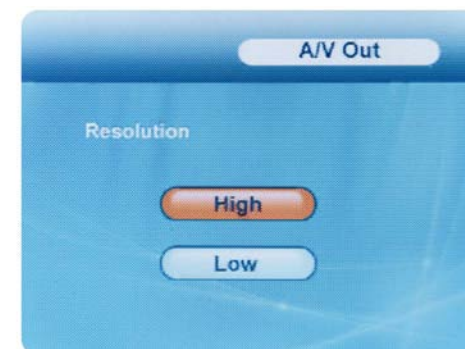
The Setting Menu contains 2 submenus:

1. **A/V Out** – Changes the quality of the image sent to the A/V receiving device (i.e. TV or monitor).
2. **Default** – Resets all menu settings to the factory defaults.

A/V Out Menu

The A/V Out menu option is used to adjust the resolution quality of the image for TV, monitor etc. Use the UP ▲ and DOWN ▼ arrows to select a resolution, and press OK to accept your option.

NOTE: It is strongly recommended to use the "High" resolution to ensure the best image resolution on a large screen (default setting).



Default Menu

The Default option is used to reset the receiver to factory settings – all menu settings will be reset. Use the UP ▲ and DOWN ▼ arrows to select YES, and press OK to accept.

NOTE: Camera pairing will NOT be affected by a reset.



TROUBLESHOOTING

If any difficulties with the video monitor occur, please see the possible solutions below:

Symptoms	Solution
No picture from a camera	<ol style="list-style-type: none"> 1. Check the AC adaptor of the camera – whether it is connected to the camera and plugged into the mains. 2. Make sure that the camera and receiver are both ON. 3. Make sure that the camera is in range of the receiver. 4. If using the accumulator, check the capacity or replace the batteries if needed.
The picture is dropping out	<ol style="list-style-type: none"> 1. The signal from the camera may be too low. Move the camera closer to the receiver. 2. Try repositioning the camera, receiver or both to improve the reception.
Audio problems	<ol style="list-style-type: none"> 1. Ensure that the volume on the receiver is turned up. 2. Make sure that there is no disturbing sound within range of the camera microphone. 3. If the unit emits a loud screeching noise (feedback), move the camera or receiver farther apart.
The picture has become choppy	<p>The picture may become choppy when experiencing a lower frame rate (refreshing less than 10 times a second). Try moving the camera closer to the receiver. Remove obstructions between the receiver and camera.</p>
The picture appears to be grainy when using the AV output for viewing on a large screen	<p>The picture might be grainy as the camera video resolution is set to VGA (640x480 pixels). This is not a product defect.</p> <ol style="list-style-type: none"> 1. For best performance use the PIP (Picture in Picture) function on the TV. 2. Check if the video resolution is set to the "high" option.

TECHNICAL SPECIFICATION – RECEIVER

Receiver Frequency Range	2.400 GHz~2.482 GHz
Data Rate	1.5 Mbps
Receiving Sensitivity	-81 dBm
Demodulation Type	GFSK with FHSS
Resolution	H: 480 V: 240
Viewing Angle	H: 50° V: 50°
A/V Output / Resolution	VGA 640x320 / 15FPS, QVGA 320x240 / 30 fps
Alert volume	80 dB ±10 % / 1 m
Power Requirement	9 V DC ±5%
Power Consumption	400mA max without charging, 800mA with charging
Battery operation	up to 3 hours (according the condition)
Battery parameters	LiPO 7.4 V / 950 mAh (MLP 563450)
Operating Temp Range	14°F ~ 140°F / -10°C ~ +60°C
Max. Operating Humidity	85% RH

TECHNICAL SPECIFICATION – CAMERA

Transmit Frequency Range	2.400 GHz~2.482 GHz
Can be operated according to	ERC REC 70-03
Data Rate	1.5 Mbps
Transmitting Power	14 dBm (TYP)
Modulation Type	GFSK with FHSS
Communication Range	150 m (Line of Sight)
Image Sensor Type	1/4" Color CMOS Image Sensor
Effective Pixels	H: 640 V: 480
Image Processing	Motion JPEG
Image Resolution / Frame Rate	H: 640 V: 480 / 30FPS Max.
White Balance	Yes
Audio parameters	AEG 0 dB ~ 24 dB
Lens	4.9 mm / F2.8
Viewing Angle (Diagonal)	60°
Minimum Illumination	2.5 LUX (IR off), 0 LUX (IR on)
IR LED / Night Vision Range	8 LEDs / 840nm 5m (with IR LED)
Power Requirement	9V DC ±5%
Power Consumption	360mA MAX (w/ Night Light) / 300mA (without Night Light)
Battery operation	up to 3 hours (according the condition)
Battery parameters	NiMH 6 V / 750 mAh (BP 610)
Operating Temperature	14°F ~ 104°F (-10°C ~ +40°C)
Max. Operating Humidity	85 %
Environmental Rating	14°F ~ 140°F (-10°C ~ +60°C)
Dimensions / (W x D x H)	2.6" x 5.7" x 3.3" / 66mm x 145mm x 84mm

CE1177
FCC ID SJ8CA610

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JABLOTRON ALARMS a.s. hereby declares that the CMD 6129S Tiny is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC and complies with part 15 of the FCC rules. Operation is subject to the following two conditions: 1. This device may not cause harmful interference, and 2. This device must accept any interference received, including interference that may cause undesired operation.

Caution: Changes or modifications not expressly approved by Jablotron could void the user's authority to operate the equipment. The original of the conformity assessment can be found on the web site www.jablotron.com.

Note: Although this product does not contain any harmful materials we suggest you return the product to the dealer or directly to the producer after use.

OUR RECOMMENDATION

Nanny watches over your treasure



Early
warning



Easy
operation



Medical
device
certification