

## MONITOR

- 1. Power:** Pressing this button turns the monitor on and off
- 2. TV/AV:** If your monitor is connected to another video source, pressing this button will transfer the image from the 7" LCD monitor to the attached monitor.
- 3. Quad:** Opens up a quad screen view. For more information on camera viewing, please see "Camera Viewing" on Pg. 16
- 4. Volume:** This adjusts the volume of the audio that plays through your monitor
- 5. IR Sensor:** The IR sensor is how the remote and monitor communicate
- 6. Manual Record:** Prompts the monitor to begin constant recording. To stop recording, press this button again
- 7. Motion Record:** Prompts the monitor to record only when motion is detected. To stop motion recording, press this button again
- 8. Manual Channel:** Manually changes which camera is being viewed on screen
- 9. Auto Channel:** Turns auto channel on and off. When this function is on, the camera channels will sequence through automatically
- 10. Delete/Scan:** This button will turn on the screen saver. The screen saver will display until motion is detected, once detected, the screen saver will close and the monitor will display the camera that detected motion. During playback this button allows you to delete single clips of recorded footage. For more information on deleting recorded footage, please see "DELETE" on Pg. 27
- 11. Menu/Exit:** Enters and exits the main menu
- 12. Joystick:** This tab has many functions when accessing the menu as well as playing back footage. For information about how to use this joystick, please see "Joystick" on Pg. 14 of the manual
- 13. Antenna:** This antenna allows for a stronger signal between the camera and monitor
- 14. Power Input:** Plug the small end of the included power adapter marked "monitor" into this area
- 15. A/V Out:** Plug the single end of the included A/V cable into this area
- 16. SD Card Insert:** Your SD card can be inserted into this area to record and save footage
- 17. Talk:** This button allows for two-way communication. The monitor and camera are both equipped with a microphone and a speaker, pressing this button allows you to speak through the camera from the monitor

## REMOTE

*The included remote control has the same functions as the monitor with the exception of two commands that are NOT included on the remote control, they are:*

- **Talk:** Cannot access talk function with remote
- **Power:** Cannot power on or off the monitor from the remote control



## CAMERA

### 1. Pair Button:

Located at the back of the camera, you press this button when pairing the camera and monitor. For more information, please see "Pairing" on Pg 14

### 2. Antenna:

This removable antenna allows for a better signal between the camera and monitor

### 3. Camera Housing:

Made of anodized aluminum to prevent rust

### 4. Infrared (IR):

The 18 LEDs allow the camera to see in the dark up to 40ft away

### 5. Camera Lens:

The camera lens is located in the center of the LEDs

6. **CDS Sensor:** Automatically turns on the infrared LEDs when it gets dark

7. **Motion Detection:** Detects any motion in front of the camera

8. **Microphone:** Allows you to hear and record sounds as well as footage

9. **Camera Mount:** Allows the camera to be desk or wall mounted

10. **Power connection:** This 3 ft. cord connects to the power adapter (marked "Camera")



## THINGS TO CONSIDER BEFORE INSTALLATION

- The camera should be installed between 8 to 13ft above the area to be monitored
- Ensure that the camera is installed NO MORE than 100 ft away from the monitor's position to maintain a strong signal between the camera and monitor
- Before mounting the camera, ensure there are no obstructions in the camera's view
- Place camera in the most strategic place where it can provide detailed video of your home or business. Having the camera in the open for people to see can help deter criminals
- To cover large, dark areas such as backyards, garages, and driveways, place camera in a strategic location, such as on the roof or deck. This way, more area is covered by the camera
- Ensure that the camera is positioned to avoid glare. Be sure to position camera away from direct sunlight or indoor lighting
- For best results, light in front of the camera should be around the same brightness as the light around the area or object being monitored
- Decide whether the camera will be wall-mounted, ceiling mounted or mounted on a desk/table top. We recommend that the mount is secured using the included screws and hardware for all installations

## AVOIDING INTERFERENCE

The GX301 utilizes Clear Signal Technology, meaning that it is designed to avoid the frequencies of common wireless devices. By doing so, the system does not receive interference from any standardized 2.4GHz or 5.8 GHz wireless devices within your home or business.

The signal also passes easily through interior walls. However, buildings with metal frames or placing the camera near large metal objects may cause signal interference. If reception is poor, moving the camera and/or monitor closer to one another may fix this problem. Interference is also possible if another device within the building (such as a cordless phone) is operating on the same frequency.



## MOUNTING THE CAMERA

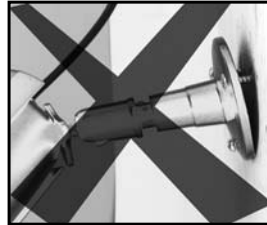
1. Decide if the camera will be wall-mounted or sitting on a desk/tabletop. The camera can be adjusted for many mounting scenarios by rotating it to the required position.
  - Keep in mind that the camera is microphone equipped. If you would like audio recorded, make sure the camera is within a close enough range of the area being monitored to record any sounds (within 6 ft)
  - Be sure to mount the camera no further than 100ft away from your monitor
  - Be sure to mount the camera no further than 8ft away from a power source
2. Screw the mounting bracket into the camera's mounting hole, turning it clockwise.
3. Ensure that the camera is strongly secured into the wall.
4. Adjust camera to the desired viewing angle.
5. For additional help with mounting the camera, please see the drilling template located at the back of the manual.
6. Once you have mounted the camera and placed it at the desired viewing angle, plug the camera's power adapter (marked for camera) into the cord on the camera and then plug the adapter into a power source. (A surge protected power source is recommended)
7. If you purchased a kit with additional cameras, repeat the above steps for all additional cameras.

**Note:** The above photos are examples of mounting a camera, your camera will look different from the above images.

### Adjust camera to desired viewing angle



### Ensure the camera is secure



### Plug power adapter into Camera's cord



### Plug into Surge Protected power source



## PLUGGING IN MONITOR

Once the monitor is connected to a power source, turn it on using the power button and it will automatically pair with the camera. If the camera and monitor do not automatically pair please see "PAIRING" Pg 14.

### **To plug monitor in:**

1. Make sure that the monitor is set up no more than 100ft from the camera. This is to ensure a strong signal between the camera and monitor.
2. Plug the monitor's power adapter (marked for monitor) into the monitor's power input area (marked "9V DC").
3. Plug the other end of the power adapter into a power source (surge protected power source recommended).
4. Press the power button to turn the monitor on to view and hear the camera.

### **Plug adapter into 9VDC**



### **Plug into Surge Protected power source**



## CONNECTING TO ANOTHER MONITOR

The GX301 comes equipped with an audio/video cable that can be plugged into any monitor with an audio/video input. Once plugged in, you will be able to watch and hear live video, access and view the menu as well as watch playback footage from the monitor you have plugged into.

### **To plug the 7" LCD Monitor into another Monitor:**

1. Plug single end of the A/V cable into A/V out area on back of monitor.
2. Plug the video jack (yellow) into the video input on your monitor and the audio jack (white) into the audio input on your monitor, then press the A/V button on the 7" LCD monitor.
3. You may have to adjust the channels or video source input on your monitor to view the footage.
4. Once the proper channel is set, the footage from the camera will display on the monitor.

### **Plug A/V cable into A/V out on monitor**



### **Plug A/V cord into monitor**



<b>My Unit has Scrolling horizontal lines</b>	<ul style="list-style-type: none"> <li>Ensure that the device is set to NTSC. For more information please see "AV OUT on Pg. 22</li> </ul>
<b>Schedule record is not working</b>	<ul style="list-style-type: none"> <li>Ensure that both manual and motion record modes are turned OFF for schedule record to take place</li> </ul>

## SPECIFICATIONS

### CAMERA




Image sensor.....	1/4" CMOS Color
Outdoor use .....	Yes
IP Rating .....	IP56
Maximum Wireless Range (Line of Sight).....	300ft
Optimum Wireless Range (Line of Sight).....	100ft
Wireless Frequency .....	200~2483.5Mhz
Wireless Channel Frequencies .....	Hopping frequency
Resolution.....	360 TV Lines
Night Vision.....	Yes
Number of IR LEDs and Range.....	18, up to 40ft
IR LED control.....	Automatic (CDS Sensor)
IR Cut Filter.....	Yes
Min. Illumination .....	0 lux
Viewing Angle.....	62 degree
TV System .....	NTSC
Focal Length.....	4.5mm
Focus Type.....	Fixed Focus
Optimal Focal Distance.....	20ft
Microphone.....	Yes
Motion Detection .....	Yes, triggers audio alarm
Sun Shield .....	Yes, not adjustable
Housing Material.....	Aluminum & ABS
Housing Color.....	Silver
Electronic shutter speed.....	1/60 ~ 1/15,000 sec
Signal/Noise Ratio.....	>48dB
Camera Bracket .....	Yes
Operating Temperature .....	14°F ~ 104°F
Operating Humidity .....	85%
Mounting Hardware.....	Included
Camera Power Input.....	9VDC 600mA
Power Adapter Input.....	AC 100~240 50/60 Hz
Dimensions .....	5.25" x 4.75" x 2" (With Stand)
Weight .....	0.75 lbs

## MONITOR

Wireless Frequency .....	2400~2483.5Mhz
Channel Frequencies .....	Hopping Frequency
Number of Cameras Supported .....	4
Output Terminal .....	1/8th inch to RCA A/V output
Resolution .....	640x480 or 320x240
Speaker .....	Internal Buzzer
Maximum SD Card Size.....	32 GB
Compression .....	MPEG-4
File Type .....	AVI
Operation Mode .....	Simplex
Scheduled Recording .....	24 Hour clock
Automatic Overwrite when Full .....	Optional
Motion Activated Alert.....	Compatible
Post Motion Recording .....	5, 15, 30 seconds
Digital Zoom .....	1x , 2x
Auto-Scanning.....	Yes
Button Lock.....	Yes
Remote Control .....	IR
IR Remote Extension .....	6 ft
New Video Footage Notifier.....	Yes, LED
Viewing Modes .....	Single, Quad, Manual, Automatic
Recording Mode .....	Manual, Schedule
Adjustable Brightness .....	Yes
Video Output.....	PAL/NTSC
Operating Temperature .....	14°F ~ 120°F
Operating Humidity .....	85%
Housing Material.....	Aluminum and ABS Plastic
Housing Color.....	Silver
Monitor Power Input .....	9VDC 500 mAh
Power Adapter Input .....	AC 100~240 V 50/60Hz
Dimensions .....	4.25" x 3" x 0.75"
Weight .....	.4 lbs






If you accidentally damage or lose any parts they can be replaced with ease. The following are parts that came with your system and their reference model numbers so you can continue to effectively monitor your premises.

PRODUCT	MODEL#	DESCRIPTION
		<i>Power Adapters</i>
		<i>Audio/Video Cable</i>
	<b>SOFTWARE/ MANUALS</b>	<i>Your product software and manual are available for download at: <a href="http://www.SVAT.com/downloads.php">http://www.SVAT.com/downloads.php</a></i>

## ADDITIONAL ACCESSORIES

You may wish to add to your system and upgrade some components of it. Here are some items that can boost the effectiveness of your video security system.

PRODUCT	MODEL#	DESCRIPTION
	<b>GX301-C</b>	<i>Expand your system to a maximum of four cameras to monitor more locations</i>
	<b>VU100-ST</b>	<i>Alert all potential criminals of your security system and help deter crime with a window sticker</i>
	<b>SGN100</b>	<i>Alert all potential criminals of your security system and help deter crime with this durable aluminum sign</i>



FCC NOTE:

This device 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.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

IC NOTE:

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class A/B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.