



HANDS FREE 2-WIRE COLOR VIDEO INTERCOM SYSTEM w/ 7" LCD Monitor and Night Vision Security Camera

COMPLETE SYSTEM



Instruction Manual



Model #
VIS300-7M2
www.svat.com

PRODUCT WARRANTY INFORMATION

**Please visit our website at www.svat.com
for information about your product's warranty.**

We take quality very seriously. This is why all of our products come with a one year warranty from the original purchase date against defects in workmanship and materials. If you have warranty or support issues please contact us using any of the following methods:

Phone: 1.866.946.7828
Fax: 1.888.771.1701
Email: support@svat.com
Website: www.svat.com

SVAT USA
60 Industrial Parkway
Cheektowaga NY
USA 14227

SVAT CANADA
4080 Montrose Road
Niagara Falls, ON
Canada L2H 1J9

Warranty Terms

1. SVAT products are guaranteed for a period of one year from the date of purchase against defects in workmanship and materials. This warranty is limited to the repair, replacement or refund of the purchase price at SVAT's option.
2. This warranty becomes void if the product shows evidence of having been misused, mishandled or tampered with contrary to the applicable instruction manual.
3. Routine cleaning, normal cosmetic and mechanical wear and tear are not covered under the terms of this warranty.
4. The warranty expressly provided for herein is the sole warranty provided in connection with the product itself and no other warranty, expressed or implied is provided. SVAT assumes no responsibilities for any other claims not specifically mentioned in this warranty.
5. This warranty does not cover shipping costs, insurance, or any other incidental charges.
6. You **MUST** call SVAT before sending any product back for repair. You will be sent a Return Authorization form with return instructions. When returning the product for warranty service, please pack it carefully in the original box with all supplied accessories, and enclose your original receipt or copy, and a brief explanation of the problem (include RA #).
7. This warranty is valid only in Canada and the continental U.S.
8. This warranty cannot be re-issued.



CAUTION

RISK OF ELECTRIC SHOCK, DO NOT OPEN MONITOR



TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (BACK).
NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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WHAT IS INCLUDED



1- 7" TFT- LCD Monitor



1 Indoor/Outdoor Doorbell/ Camera



1- 50ft Cable



1 Power Adapter (for Monitor)



2 Window Warning Stickers

- Mounting Hardware (Camera and Monitor)
- 2 Angled Camera Mounts
- 1 Year Warranty
- Instruction Manual
- 24/7 Lifetime Live Customer Service

PLEASE READ BEFORE INSTALLING

- When cleaning, use a DRY, lint-free cloth. Unplug the camera, monitor and AC/DC adapters before cleaning. NEVER immerse any components in water and do not spray cleaners or solvents on the units. Doing so may damage the units or cause electrical shock.
- Locate the camera, monitor and AC/DC adapters where there is adequate ventilation. Do not locate the camera in direct sunlight.
- Do not locate the camera, monitor and AC/DC adapters near heat sources such as heat registers, radiators, ovens, furnaces or other appliances with high operating temperatures.
- Do not use the camera near water or damp and wet environments, such as a bathtub, laundry tub, kitchen sink, or wet basement.
- Do not use with extension cords. Use only the AC/DC adapters provided with this system.
***Note: Use of other adapters may damage the units and void your warranty.
- Keep the camera, monitor and AC/DC adapter cords out of reach of children.
- Only plug components into standard household voltage outlets (110VAC, or 60Hz).
- Do not place cords from the AC/DC adapters, camera or monitor where they can be pinched or stepped on. Protect the cords by keeping them out of the way of children, pets and routine household traffic.
- Do not place heavy objects on power cords or cover cords with rugs or carpet.
- Unplug the AC/DC adapters from the wall outlet when the system is not in use for extended periods of more than a week; vacations etc...
- Mishandling, alterations or modifications not approved by the manufacturer will void the warranty.

THINGS TO CONSIDER BEFORE INSTALLATION

- Do not place the intercom system near strong magnetic fields, such as televisions and video recorders.
- Do not place the video intercom system in direct sunlight.
- Do not disassemble this device freely; there are high voltage flows inside the system that can cause bodily harm.

CAUTION!

- Do not paint over the camera.
- Connect this unit ONLY to other compatible units. Do not connect it to any other type of alarm or auxiliary device. Connecting anything else to this unit may damage it or prevent it from operating properly.
- If connecting device to a doorstrike please make sure it has a 8-16 VAC power supply, or it will not be compatible with this device

VENTILATION

Slots and openings in the monitor and the back or bottom are provided for ventilation and to ensure reliable operation of the video monitor or equipment and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the video monitor on a bed, sofa, rug, or other similar surface. Video monitor should never be placed near or over a radiator or heat register. Video monitor should not be Placed in a built-in installation such as a bookcase unless proper ventilation is provided.

IMPORTANT!

Wall mounting should follow the manufacturer's instruction, and should use the included mounting kit or a mounting kit approved by the manufacturer. Do not place video monitor or equipment on an unstable stand or table. The video monitor or equipment may fall causing injury to a child or adult, and damage to the equipment.

FEATURES**Fast & Hassle-Free Setup**

SVAT's video intercom system is incredibly easy to set up and use. It can work with your existing door bell wiring, so you can connect everything yourself within minutes (50ft cable included).

See and Hear Everything with Audio & Video

Enjoy the safety of monitoring your entrance and being able to carry on conversations without ever having to open the door to strangers. If you hear a suspicious noise or are curious to see what is happening outside, you can simply press the view button and instantly monitor your entranceway.

Hands Free Operation

When a visitor arrives and presses the doorbell button, your monitor will sound a chime and display your visitor on-screen. Safely and conveniently know who is at your door without having to physically check.

24 Hour Protection with Night Vision

Six infrared (IR) LEDs let you see in the dark, up to 8ft¹ away! They activate automatically when it gets dark, and deactivate during the day to save energy (CDS sensor). Day or night, you'll have a clear view of your entrance.

Unlock Your Door with the Touch of a Button

Connect the system to an electric door strike² and you will be able to open the door remotely by pressing the unlock button on the monitor.

Flexible Mounting Options

The 7" LCD monitor has a contemporary design and can be wall mounted or placed on a table with the built-in stand (up to 50ft away from the door). Use the included angled mount to adjust the camera so that you have a comprehensive view of your visitor.

8 Different Chimes

The VIS300-7M2 features a variety of standard chimes as well as different melodies for holidays, patriotic events and special occasions.

24/7 Lifetime Live Customer Support

Assistance is available whenever you need it. Our customer support team can be reached by phone 24/7, or by e-mail and live web chat services so that you will always have access to an expert.

Notes:

- 1 The Infrared LEDs need to reflect off of an object in order for the camera to display an image. If there is no object within range of the LEDs (ex. Camera is pointing into an open field) there will be nothing displayed on the camera.*
- 2 Door Strike is NOT included.*



7" LCD Monitor

1. Microphone
2. Power Supply Indicator LED
3. 7"LCD Screen
4. Speakers
5. View – Allows you to monitor the camera
6. Unlock – Releases door strike
7. Talk – Initiates communication with camera unit (from monitoring mode)
8. Melody – Changes door bell melody (must be in monitoring mode)
9. Melody Volume – Adjust the melody volume level between low (L), medium (M), and high (H)

10. Volume – Controls the speaker volume on the monitor
11. Chroma – Controls color of image
12. Brightness – Controls brightness of image
13. Camera Connection (positive = 1 and negative = 2)
14. Door Strike Connection (positive = 3 and negative = 4)
15. Wall Mount Connection
16. Ventilation Ports
17. Stand (Optional Use)
18. Mount



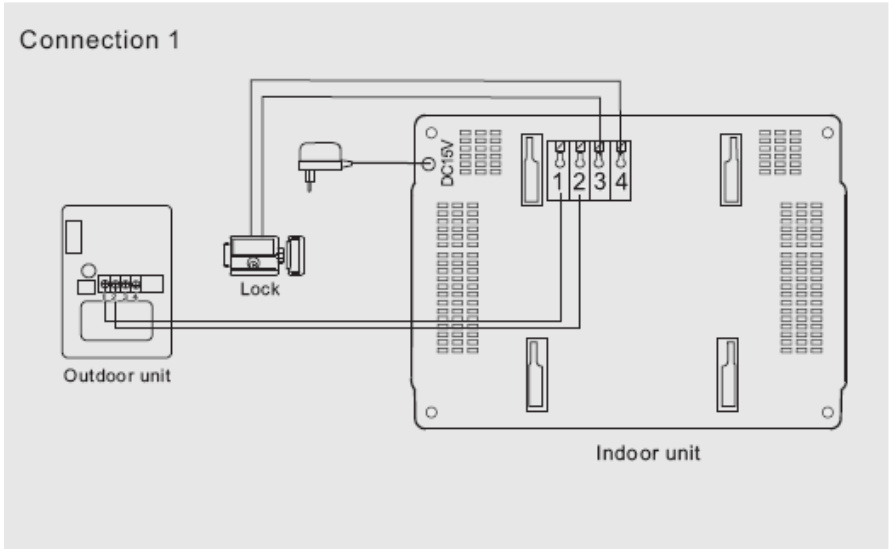
Camera/Doorbell

1. CDS sensor – Detects level of darkness to automatically activate IR LEDs
2. Camera
3. Microphone
4. Infrared (IR) LEDs – Allow for night vision up to 8 ft
5. Mounting Screw Hole
6. Speaker



7. Door bell
8. Camera to Monitor Connections (positive = 1 and negative = 2)
9. Door Strike (positive = 3 and negative = 4)
10. Mounting Bracket

Connection 1 (Recommended)



Connecting the Camera – Note: You will need a philips head screwdriver

- Loosen the screw to the camera's positive connection (marked 1) by turning the screw counter clockwise.

Note: Do not fully unscrew the screw, just loosen it enough to fit the horseshow end of the 50ft wires.

- Slide the Horseshoe end of the BLUE wire (marked 1) underneath the Screw Terminal on the camera's positive connection (connection 1).
- Tighten up the screw to lock the blue wire into place.



- Loosen the screw to the cameras negative connection (marked 2) by turning the screw counter clockwise.

Note: Do not fully unscrew the screw, just loosen it enough to fit the horseshow end of the 50ft wires.

- Slide the Horseshoe end of the Brown wire (marked 2) underneath the Screw Terminal on the camera's negative connection (marked 2).
- Tighten up the screw to lock the brown wire into place.



Connecting the Monitor to Camera - Note: You will need a small flat head screwdriver

- Using a screwdriver or similar object push down on the small grey box above the hole marked as 1.
- Insert the available end of the blue wire into the monitor's positive camera connection (marked 1) and make sure it is completely inserted.
- Release the downwards pressure on the grey box and this should lock the wire into place.



- Repeat the above steps using the brown wire and the monitor's negative camera connection (marked 2)
- Test that the wires are properly connected by lightly attempting to pull the wires away from the monitor. They should not come disconnected.

Your camera and monitor should now be connected .

Connecting the electric Doorstrike to Monitor (Doorstrike and Wiring not Included)

The VIS300-7M2 does not come with an electric door strike (lock), if you would like to connect a door strike. The door strike must run off a 8-16 VAC power supply to be compatible with the VIS300-7M2.

If the two wires are not already connected to your doorstrike:

- Using the instruction manual provided with your door strike, connect the positive and negative wires to their proper terminals on the doorstrike.

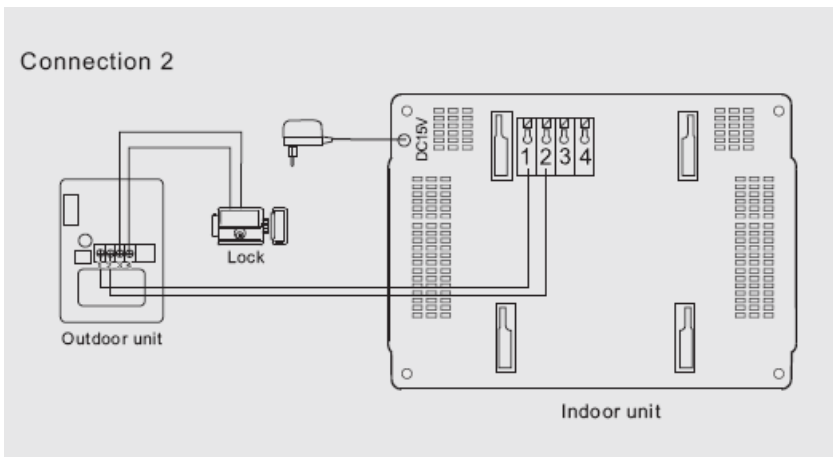
Connecting Doorstrike to Monitor

- Using a screwdriver or similar object push down on the small grey box above the doorstrike positive connection hole marked as 3.
- Insert the positive wire from the doorstrike into the positive doorstrike connection on the monitor (marked 3) and make sure it is completely inserted.
- Release the downwards pressure on the grey box and this should lock the wire into place.
- Pull lightly on the wire to make sure it is secure.
- Repeat the above steps for the negative wire and negative connection marked 4.

Your door strike should now be connected to the monitor.

Note: Connecting the VIS300-7M2 to an electronic door strike (lock) is optional and is not required for operation.

Connection 2



Connecting the Camera – Note: You will need a philips head screwdriver

- Unscrew the screw from the camera's positive connection (marked 1).
Note: Do not fully unscrew the screw, just loosen it enough to fit the horseshow end of the 50ft wires.
- Using the 50ft wiring provided slide the blue wire with the screw Mount on the end underneath the screw to the Camera's positive connection (marked 1).
- Screw the screw back into place, locking the blue wire underneath the power input.
- Unscrew the screw from the camera 's negative connection (marked 2)
Note: Do not fully unscrew the screw, just loosen it enough to fit the horseshow end of the 50ft wires.
- Using the same side of the 50 ft wire provided, slide the brown wire with the screw. Mount on the end underneath the screw to the camera's negative connection (marked 2).
- Screw the screw back into place, locking the brown wire in the camera output.

Connecting the Monitor to Camera - Note: You will need a small flathead screwdriver

- Using the other end of the 50 foot wiring provided insert the end of the blue wire into the monitor 's positive camera connection (marked 1) and hold it there.
- Using the screwdriver push down on the small box above the hole the wire is inserted into, this should lock the wire into place.
- Same end of the provided wire insert the end of the brown wire into the monitor 's negative camera connection (marked 2) and hold it there.
- Using the screwdriver push down on the small box above the hole the wire is inserted into, this should lock the wire into place.
- You camera and monitor should now be connected.

If the two wires are not already connected to your doorstrike:

- Using the instruction manual provided with your door strike, connect the positive and negative wires to their proper terminals on the doorstrike.

Connecting electric doorstrike to Camera

- Using the instruction guide provided with your door strike, insert the positive and negative wires (not included) into their proper place on the doorstrike.
- Loosen the screw to the camera's doorstrike positive connection (marked 4) by turning the screw counter clockwise.
Note: Do not fully unscrew the screw, just loosen it enough to fit the horseshow end of the wires.
- Slide the Horseshoe end of the doorstrikes positive wire underneath the Screw Terminal on the camera's positive connection (connection 4).
- Tighten up the screw to lock the wire into place.
- Loosen the screw to the camera's doorstrike negative connection (marked 3) by turning the screw counter clockwise.

Note: Do not fully unscrew the screw, just loosen it enough to fit the horseshow end of the wires.

- Slide the Horseshoe end of the doorstrikes negative wire underneath the Screw Terminal on the camera's negative connection (connection 3).
- Tighten up the screw to lock the wire into place.
- Your door strike should now be connected to the camera.

Note: When using this connection keep in mind that the door strike will be connected to the camera, which is outside of your house – if the camera gets disconnected the electric door strike will get disconnected as well.

WALL MOUNTING

1. Locate a desired mounting location for the camera/ doorbell station and fasten the mount using the included mounting hardware.
 - *Make sure the mounting location is at an appropriate level for you to access the buttons and easily view the LCD screen and is close enough to a power source to be plugged in.*
2. Plug the jack of the power adapter into the back of the monitor (labeled AC15V).
3. Plug the other end of the power adapter into a power source. (It is recommended to use a surge protecting power bar or a UPS).
4. Once the bracket is properly mounted, there are four slots on the back of the monitor that will fit easily into the mount. Line up the slots with the pegs on the monitor and slide monitor downwards. This will securely lock the monitor into the mounting bracket.

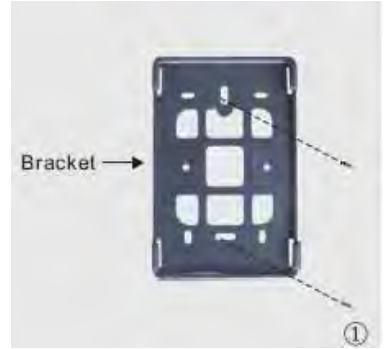


Table Mount

1. The monitor is also able to stand up right on a flat surface using the table stand on the back of the monitor.
2. Place monitor on a flat level surface.
 - *Make sure that the flat surface is close to a power source so it can be plugged in.*
3. Pull the bottom side of the stand away from the monitor.
4. Plug the jack of the power adapter into the back of the monitor (labeled AC15V).
5. Plug the other end of the power cable into power source.



Complete all wiring before mounting the camera.

Angled Camera Mount – Must be Mounted BEFORE Flat Mount

The VIS300-7M2 has two identical angled mounts included with it so that you can place your camera on a twenty degree angle or a 40 degree angle. This will make the camera angled towards the door instead of straight ahead. This may or may not be necessary for your application.

If using one angled mount: (twenty degrees)

1. Lift up sticker located on the front of the camera on right side.
2. Completely remove the screw from the flat camera mount.
3. Remove camera from flat mount (it is held in by plastic tabs, you may have to apply some force to separate the two pieces).
4. Locate a desired mounting location.
5. Pull wiring through the center hole on the angled mount.
6. Screw the angled mount into desired area near front entrance.
7. Screw the flat mount onto the angled mount by using the two protruding screw holes located on the angled mount.
8. Reconnect the wires to the proper terminals (instructions above) and tighten the securing screws to secure the wires to the back of the camera.
9. Put camera into the mount and insert the screw into the hole behind the sticker, tighten the screw to secure camera to the mount.
10. Peel the paper off the back of the rest of the sticker in front and secure it over the screw hole.

Make sure camera is at the average face level (145 cm – 160 cm from ground)

If using two angled mounts: (40 degrees)

1. Lift up sticker located on the front of the camera on right side.
2. Completely remove the screw from the flat surface mount.
3. Remove camera from flat surface mount (it is held in by plastic tabs, you may have to apply some force to separate the two pieces).
4. Locate a desired mounting location.
5. Pull wiring through the center hole on the angled mount.
6. Screw the angled mount into desired area near front entrance.
7. Place second angled mount over the first angled mount with the open area facing outwards. (in same direction as the first angled mount).
8. Pull the wiring through the center hole of the second mount.
9. Secure the two mounts together by screwing a screw through the small holes located on the bottom and top of the second mount.
10. Screw the flat mount onto the angled mount by using the two protruding screw holes located on the angled mount.
11. Reconnect the wires to the proper terminals (instructions above) and tighten the securing screws to secure the wires to the back of the camera.
12. Put camera into the mount and insert the screw into the hole behind the sticker, tighten the screw to secure camera to the mount.
13. Peel the paper off the back of the rest of the sticker in front and secure it over the screw hole.

Flat surface mount

1. Lift up sticker located on the front of the camera on right side.
2. Completely remove the screw from the flat surface mount.
3. Remove camera from mount (it is held in by plastic tabs, you may have to apply some force to separate the two pieces)
4. Locate a desired mounting location.
5. Screw mount onto desired area near front entrance by the holes on the top and bottom of mount.
6. Reconnect the wires to the proper terminals (instructions above) and tighten the securing screws to secure the wires to the back of the camera.
7. Put camera into the mount and insert the screw into the hole behind the sticker, tighten the screw to secure camera to the mount.
8. Peel the paper off the back of the rest of the sticker in front and secure it over the screw hole.

BUTTON OPERATIONS**Monitor - Front - From Left to Right**

- View:** Allows you to view and hear outside without someone pressing the doorbell. This will display the image from the camera as well as allow you to hear what the camera's audio picks up outside.
- Unlock:** If the camera or monitor is connected to an electric door strike, you can trigger the door strike by pressing the unlock button. The door strike will remain triggered as long as you are pushing the unlock button down. (Electric door strike is not included).
- Talk:** When someone presses the doorbell button on the camera or the monitor is in view mode, the hands free 2-way audio communication can be initiated by pressing and releasing the talk button. To hang up, press the talk button again.

**Monitor - Side - From Left to Right**

- Melody:** There are 8 different options for melodies to choose from. To change each melody you must be in monitoring/view mode. While in view mode, press the melody button to switch between the available melodies. Keep pressing the melody button until the desired melody is played.
- L M H (Low, Medium, High):** This switch controls the volume level of your melody. Setting the switch on 'L' will make the melody volume low, on 'M' will make the melody volume medium and on 'H' will make the melody volume high.
- Volume:** This volume knob controls the volume on monitor when listening to the outside audio. THE VOLUME ON THE CAMERA (OUTSIDE) CANNOT BE ADJUSTED.

- Chroma:** Adjusting the Chroma knob will allow you to adjust the intensity of the color in the picture on the monitor. The higher you adjust, the more intense the color will be.
- Brightness:** Adjusting the brightness will make the picture brighter or darker on the monitor. The brighter it is where your camera is, the lower you should adjust the brightness.

GENERAL INFORMATION

1. To operate the camera, press and release the doorbell button on the camera.
2. The chime will ring on the inside monitor and the monitor screen will display the audio and video from the camera.
3. To communicate from the monitor to the camera press and release the "Talk" button. Note: Audio from the monitor will not be heard on the camera until the "Talk" button is pressed on the monitor.
4. Press and hold the "Unlock" button to trigger the electric doorstrike (IF INSTALLED) and allow the visitor to enter. (A 12 V AC compatible electric door strike (not included) must be properly connected).

Automatic Monitor Time Out

The monitor will automatically stop displaying the audio/video at set intervals depending on the situation.

- If the doorbell is pressed and no other buttons are pressed the monitor will shut off after 55 seconds.
- If the view button is pressed the monitor will shut off after 40 seconds.
- If in view mode and the "Talk" button is pressed the communication and the monitor will stay on for 120 seconds.

TROUBLESHOOTING

<p>No Picture/Signal</p>	<ul style="list-style-type: none"> • Make sure all the connections are secure and properly connected • Make sure your monitor is plugged into a power source from the AC15V adapter on the back of the monitor • Make sure there is nothing obstructing the view of the camera Note: that the camera will not appear on screen until someone presses the doorbell or you press the view button yourself.
<p>Picture to Bright/Dark</p>	<ul style="list-style-type: none"> • The night vision comes on automatically when the light levels drop; try the camera in a pitch black setting. The area that the camera is in may get too much light to activate the sensor.
<p>No Audio</p>	<ul style="list-style-type: none"> • Make sure the volume notch on the monitor is turned up and that nothing is interfering with the speakers or microphone on the monitor, or the camera • If the melody is not playing, make sure nothing is interfering with the speaker and try adjusting the melody volume to a higher level • Make sure whatever you are trying to hear is close enough to the microphone on the camera/doorbell device • Disconnect and reconnect the wires from the camera and the monitor to make sure they are secure.

Door Strike not Functioning	<ul style="list-style-type: none"> • Door not unlocking – Make sure you have it wired to an electric door strike that will operate with 15 VAC (doorstrike NOT included) • Make sure that all the connections are secure and properly connected
No one can hear me outside but I can hear them	<ul style="list-style-type: none"> • Make sure all the connections are set up properly and securely • Make sure you are not pressing the 'View' button; the view button allows you to see and hear outside but prevents the outside from hearing you. The talk button allows two way communication
Night Vision not Working	<ul style="list-style-type: none"> • The night vision comes on automatically when the light levels drop; try the camera in a pitch black setting. The area that the camera is in may get too much light to activate the sensor

SPECIFICATIONS

CAMERA	
Image sensor	1/3" color CMOS
Outdoor use	yes
IP Rating	IP44
Resolution	380 TV Lines
Night Vision	Yes
Number of IR LEDs and Range	6 LEDs, up to 8ft
IR LED control	Automatic
Min. Illumination	2 Lux
Viewing Angle	58
TV System	NTSC
Focal Length	6mm
Focus Type	Fixed focus
Microphone	yes
Motion Detection	no
Audio Activation	no

Sun Shield	no
Housing Material	ABS plastic
Housing Color	Silver
Electronic shutter speed	1/60~1/15000 sec
Signal/Noise Ratio	>40db
Power LED Indicator	no
Camera Bracket	yes
Operating temperature	-20 C to 50 C
Dimensions	4.1"x7.5"x2.1"
Weight	0.5 LBS
Alarm/Siren Decibel	no
Vertical Adjustment	no
Horizontal Adjustment	With Included 20 degree angled mounts
Max. Wiring Distance	164 ft (50ft included)

LCD MONITOR	
Display	7" TFT LCD
Resolution	1440 x 86.58 mm
Source of Light	No
Video Inputs	1 x 3.5mm jack (RCA to 3.5mm wire provided)
LCD Profile Ratio	16:09
Contrast Ratio	200:1
Brightness	250cd/m ²
Response Time(ms)	Tr:15ms/Tf:35ms
Viewing Angle	92
On/Off Timer	Yes
Sleep Timer	No
Adjustable Screen Settings	Brightness, chroma
Speaker Wattage	0.5W x 2
LED Indicators	power
Housing Material	plastic
Housing Color	Silver and Grey
Power Input	AC110 - 240V/50/60 Hz
Working current	15V 1200mA
Power consumption (standby)	standby state <0.5W
Power Consumption (camera on)	Work State<10W
Operating Temperature	-10 C to 40 C
Operating Humidity	10% ~ 90%
Monitor Mount	yes
Remote Control	no

Operating Humidity	<80%
Dimensions (with stand)	6.5" x 3.9" x 0.3"
Weight (with stand)	1.25 Lbs
Door Strike Compatable	Yes. Electric Door Strike 15 V
Door Strike power output	15 V for duration of button press
Maximum amount of cameras	1



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Disclaimer

SVAT does not endorse any of SVAT products for any illegal activities. SVAT is not responsible or liable in any way shape or form for any damage, vandalism, theft or any other action that may occur while a SVAT product is in use by the purchaser.

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