

Options & Upgrades

- Add the convenience of a **remote control** to change from camera to camera or to use the scan feature to cycle through your cameras automatically at your own speed.
- Get up to two miles of transmitting distance with the optional 6 dB Antenna or use it for a better signal in tougher yards and in poor weather conditions.
- **Additional cameras** come with a transmitter. (Includes a color camera, 40 feet of cable to a weather resistant sceptor transmitter box and a 110 Volt plug) up to 4 cameras can be used with the same receiver (4 Channel receiver would be purchased with the initial Cow Cam system)
- Additional receivers** can be added to the system for other viewing locations such as a 2nd house in the yard site without any interruptions in service.
- **Camera cable** to the transmitter can be made up to 200 feet long and is outdoor rated, cable lengths can be made to your specific requirements.
- Listen in with **audio**. You'll be amazed at what you can hear and how helpful the audio is to hear bags break, and calves sucking.
- A **Pan Scanner** rotates from side to side at an angle of 5 degrees per second, it can rotate a total of 350 degrees or it can be set to whatever range you want to. You'll be able to see into the corners. (Not weather resistant.) Also available a remote control to start / stop the pan scanner at whatever area you want to.

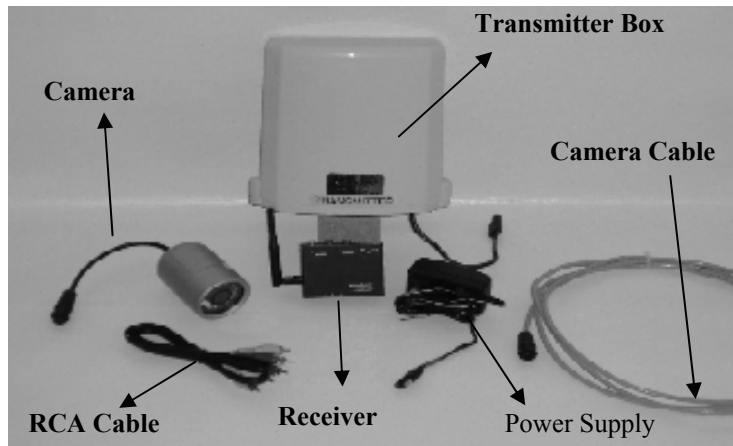


cowcam

instruction manual



Thank you for purchasing your Livestock Monitoring System (Cow Cam) from us. You will get many years of use from your new wireless video system, it comes with a one-year warranty on parts and labor, and we guarantee it to work when installed according to our assessment.



If you ordered the basic Livestock Monitoring System, you should have received the following with your system:

- (1) Transmitting Box (cream colored panel box)
- (1) Color Camera with stand and LED lights
- (1) Length of camera cable (tan color with 1 male and 1 female Switch-Craft end)
- (1) Receiver (little black box with antenna) with a power supply
- (1) RCA cable (red , yellow, white ends)
- (1) Instruction manual

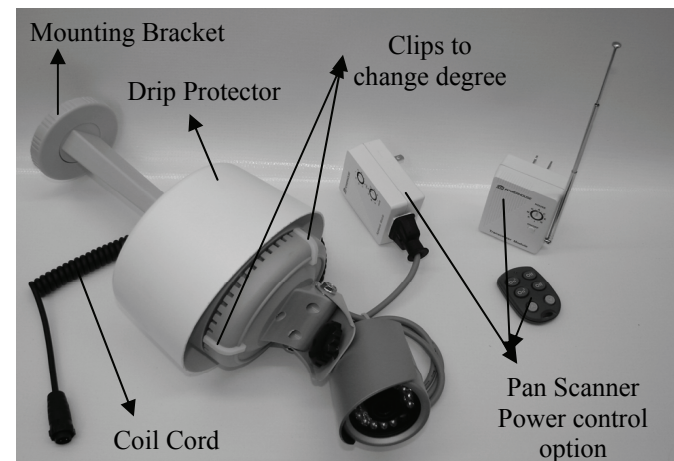
The system consists of two physical parts, a transmitting point, and a receiving point. *****You will want to assemble the system in your house first before you install it permanently on your barn or shed, this is to ensure that you have your TV or VCR setup properly, and you understand the proper connections.*****

On the end where the camera will be located (the barn) is also where the transmitter box will be mounted (on the outside of the building facing the location where the receiver will be located)

PAN SCANNER

If you have purchased the Pan Scanner option from us you will notice that the camera cord has been upgraded to a coil cord, which needs to be changed to prevent the cable from cracking from the constant movement. The pan scanner is capable of rotating 350 degrees or whatever degree circumference that you require. The motor pans the camera at 5 degrees per second once plugged in.

The degree that the pan scanner rotates can be changed to whatever you would like, just by moving the clips from one location to another, lift up on the bottom of the clip to make it release. The Pan Scanner IS NOT weatherproof!



PAN SCANNER POWER CONTROL

The Pan Scanner Power Control has 3 parts: Appliance Module where the pan scanner plugs into the bottom end (then plugs into an outlet in the barn area) the Transceiver (piece with antenna) which is located back at your house and plugged into any electrical outlet, and the hand held Remote Control.

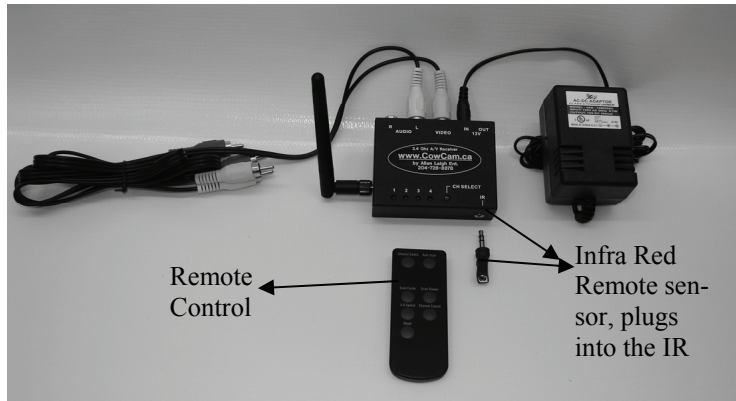
This system is capable of shutting the power OFF or ON to pan scanner (at whatever viewing location you want to) which is plugged into the appliance module which is then plugged into the barn outlet. **NOTE:** The power going to the pan scanner (barn) and the power at the transceiver (house) MUST be coming from the same transformer on the yard site in order for this power control option to work.

Additional Accessories Setup Procedures:

RECEIVER REMOTE CONTROL

If you have purchased the Receiver remote control, you will find in the package :

- (1) remote control
- (1) Infra Red Sensor (to be plugged into Receiver)



On the remote control there are several buttons which offer you many viewing options. In the top left hand corner of the remote “Channel Switch” is used to switch from one channel to another with the press of the button. The image will stay on that channel until you press the button again.

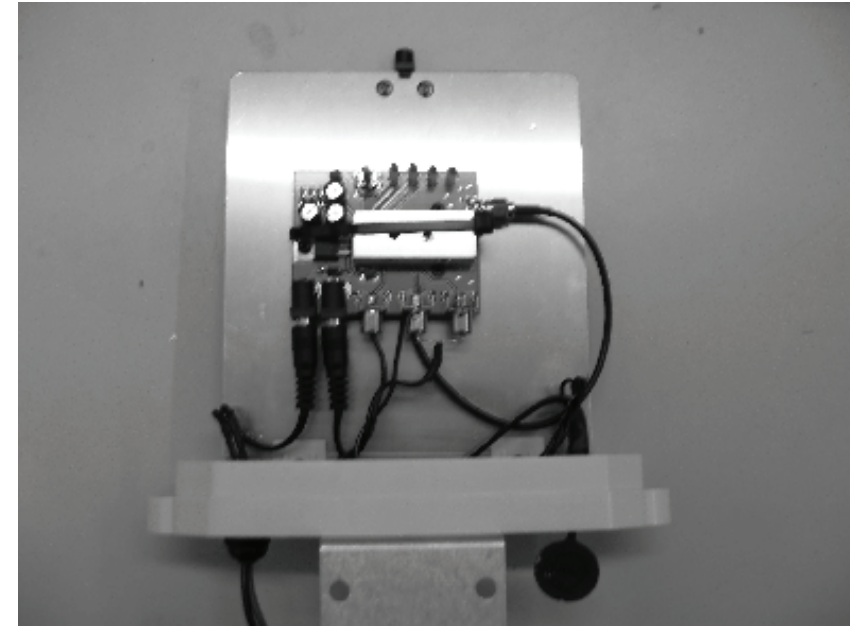
The button in the top right corner is “Auto Scan”, this button once pressed will scan through ALL 4 channels on the receiver automatically (default is set as 7 second switching) if you only have 3 cameras the 4th one will show up as “a snowy picture” to remove this channel from the auto switching feature press the “Channel Cancel” button when it is on the “Snowy screen” and it will skip that channel from the Auto Scan function. The lights on the receiver will display what channel you are currently on.

To scan through the channels faster or slower, press the appropriate “Scan Faster or Scan Slower” button while on the channel that you want to change, each time you press the button down it makes a change of 1 second that the screen will be visible.

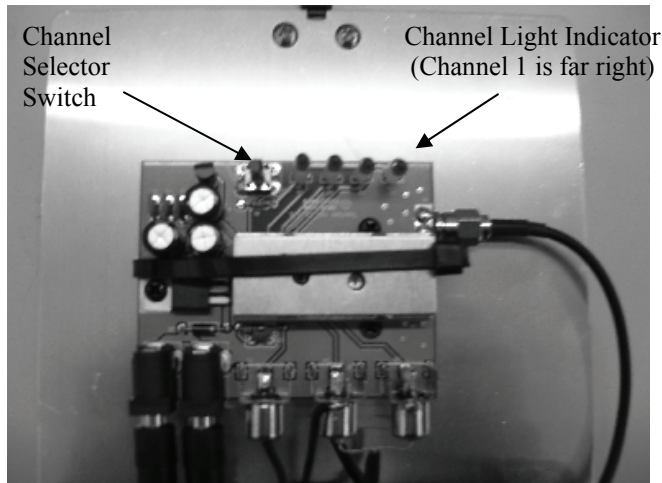
The “4-8 Switch” is not used for this application.

The transmitter and camera will be connected together with the camera cable. The receiver will be located at the viewing location (your house) and connected to your TV with the RCA cables.

The power cord gets plugged into the weatherproof box to power the transmitter, and from there power gets sent down the camera cable to power up the camera.



In the transmitter box you will find a series of lights (4) on a small board, these tell you what channel this particular transmitter is on, it can be switched to one of four frequencies. The switch is a small round rod on a small square switch usually labeled as SW1 on the upper left side of the switch. If you push the channel selector (Black plastic rod) once, it will go to channel two, push it again and it will go to ch 3, and so forth. Be sure not to have more than one transmitter set on the same channel, i.e. channel one (you won't damage anything but the video picture at the house will look very scrambled). If your unit appears to have more than 4 channels then simply unplug the transmitter and hold down the channel button while you plug it back in and release within 5 seconds.



There is no on/off switch for the transmitter or camera; the only way to turn it off is to unplug the unit. We strongly recommend that you unplug the unit after your calving season is complete, during thunderstorms and extremely high winds due to power lines clashing. You will know that the unit is on when the channel indicator is lit inside the transmitter box.

There is a mounting bracket that is sent with the unit so you can mount it to a post or pole outside, or you can use the holes to drill it to an outside wall. Install it so it fits tightly to the whatever you mount it to. Drill a hole large enough for the Switch-Craft connector to go through to the barn wall or wherever you mount your camera. Attach the male camera cable end to the female end on the Transmitter box. Be sure to make sure the cable will not be cut by sharp edges from the hole you cut. Also be sure to aim the transmitter so that it is pointing towards where the receiver is located.

Picture Problems

If you do not get a picture right away, upon your completing your connection you may have to unplug and plug the transmitter back in, this does a system reset, and usually rectifies the problem if there is no picture from the system.

If you are within Manitoba please do not forget to send one copy of your invoice back to us with your township, range and signature for Cow Cam to be PST exempt!

If you have any problems please phone me on any of the contact numbers listed below until 10:30 PM Central :

- Office 204-728-8878
- Cell 204-724-6000
- Home 204-726-0321
- Toll Free 1-866-289-8164

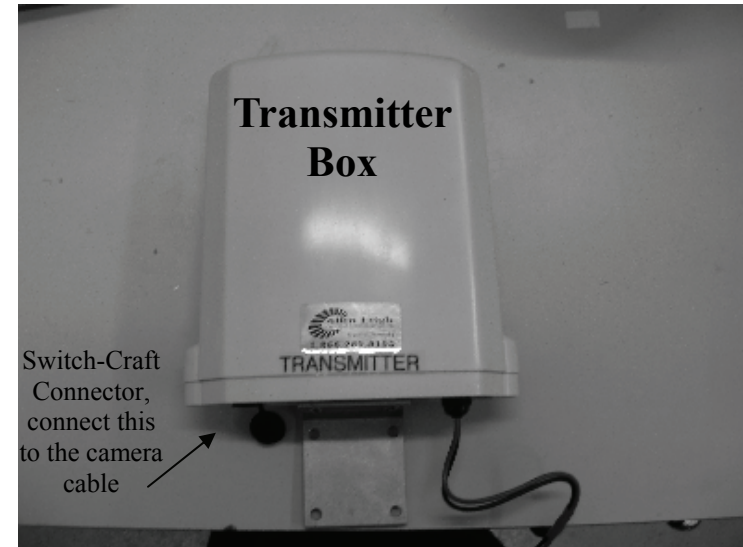
Thank You! And Enjoy! Chris Sobchuk/Owner



For Pan Scanner, Pan Scanner Power Option and Receiver Remote Instructions please refer to the following 2 pages!

Note: For existing customers that are using the RCA Receivers (purchased prior to 2004) the channels for the new transmitters are in a different order than the RCA receivers, the new transmitter must be set to ch 2 in order for it to come on to ch 1 on the RCA receiver. The following is the rest of the channels placements: New is 3 while RCA is 2, New is 4 and RCA is 3 and New is 1 and RCA is 4.

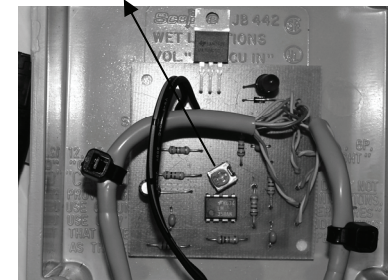
There are a few things that will interfere with your signal on your Wireless Livestock System one for sure is the microwave oven when it is in use, and we have also experienced problems with any other 2.4 GHz devices like cordless telephones, wireless routers, wireless internet, and some gaming systems.



If the Audio Modification Box option was purchased, you will have two cable ends, they are setup so that the camera end will fit into one side and the camera cable into the other the connectors, the connectors on the audio box are opposites. The audio modification box is designed to be mounted onto the wall it has mounting holes for it. You can mount the audio mod either right before the camera or the transmitter box which ever works best for you. On the inside of the Audio device you will see a small orange pot, this is how you would adjust your audio sensitivity, turning to the right increases sensitivity and to the left decreases the sensitivity.



Audio Sensitivity Control



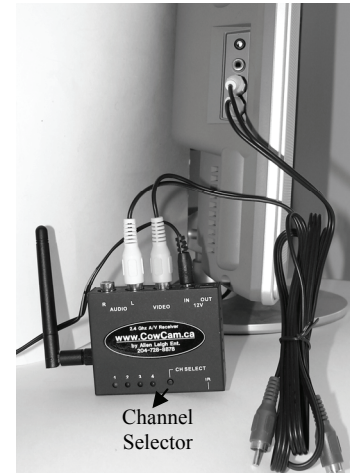
You may disable the IR LEDs by unscrewing the front of the camera housing once the sun shield is removed, then unplugging the connector with Yellow and Brown wires only, this is the one that is plugged into the top board with the IR LEDs.

At the house is where the receiver belongs, it is the small black box unit with the antenna. This unit does not have a power on / off switch, the power connection is on the back right hand side (IN) and is fed through the power supply provided. Connect the YELLOW RCA cable to the yellow video connection on the back of the receiver. You only need to connect the audio RCA cables if you purchased the optional Audio modification box.



You can connect the receiver directly to a TV on some models (newer), or connect it through a VCR, either one will require a set of RCA cables which are provided. You will have to select the proper source or input for the camera's video to come up on the T.V.; this is usually described in your TV or VCR owner's manual (Line 1 or TV/VCR). It is sometimes called Audio and Video line inputs. The channel selector for your cameras is located on top of the receiver; the led lights indicate which channel you are watching.

**Please note for the basic system it is very important that the receiver be located on the same side of the house as the transmitter is located (you may try other locations once you have acquired your signal) preferably on the inside of the outside wall so the two units can see one another through only one wall with as little obstruction as possible.



Trees shrubs and hay bales do not seem to hinder the picture quality too much during the winter, trees do effect the signal once the leaves come out. You may find that you may have to adjust the antenna or the receiver unit by lifting it up for better reception.

If you purchased the optional directional High Gain Antenna to get better distance, you will want to use the same guide lines as above. You will need to remove the rubber tube antenna and replace it with the coax from the High

Gain Antenna. Please be aware that the base of the 6DB antenna is Magnetic so DO NOT mount it on top of or next to the TV or Tapes, as it will cause discoloration and possible damage to the TV and tapes. Make sure that the antenna is pointing towards the transmitter or receiver (if it is on the receiver then point it to the transmitter and visa versa).

If you have buildings or machinery in the way, it will possibly lower your picture quality, it also depends on what the buildings are made of, metal or large machinery block the signal. It is best not to have anything in the way of the signal path, we understand that you cannot move buildings so try to position the transmitter higher up above the roofline or higher than the objects in the way.

If you are placing the receiver in front of a window and you are not getting a good picture it could be due to the high energy efficiency of the window. New windows contain Argon gas or a coating that seems to block the signal, just move the receiver over from the window and you will more than likely get a signal.

