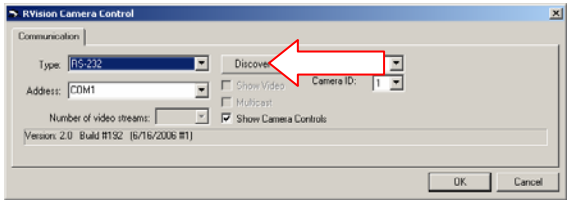
Trouble Shooting:

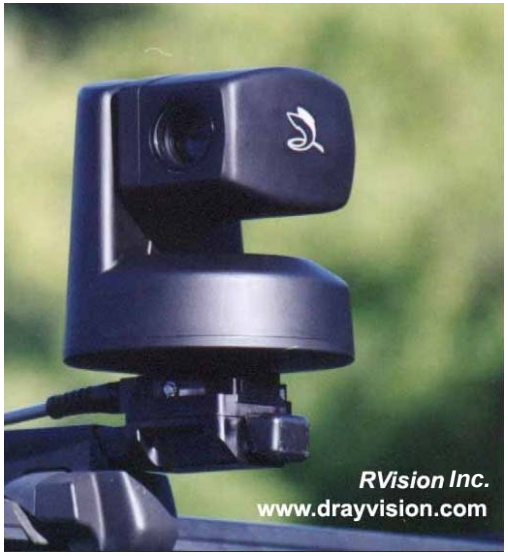
- Press discover and type and address will be auto detected by pSEE:



- For additional customer support contact an RVision customer service representative:

RVision Inc
408-437-5777 Voice – 8AM to 6PM PST
408-437-9923 FAX
attention@rvisionusa.com

RVision Inc
Imaging Systems for Sight



SEE Installation Instructions
and User Manual

660532-03 Manual, See 2G, Users

This instruction manual provides installation and user instructions for our SEE camera. Please read all instructions carefully.

Contents:

- Customer Service……..2
- Parts List……2
- Optional Parts……...2
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- Mounting Camera……...……3
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Parts List:


SEE Camera


Coax Cable


SEE 6 Pwr Supply


3/16” Hex Wrench

Has only RS 232

Compatible with
RS 232 and RS 422


Software
Development Kit

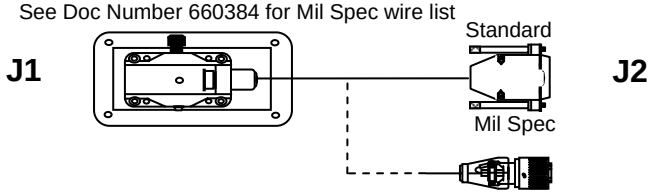
Optional Parts:

- Illuminator
- Sunshield (Hood)
- Encoder (PUMP): gives camera IP address
- LOOK joystick control and video display
- Tripod

Wire List:

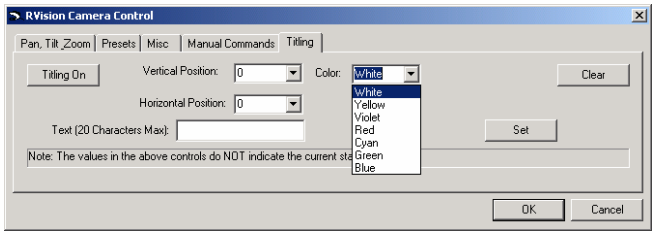
J1 HiDef Male				J2 HiDef Fem
Pin	Color	AWG	Signal	Pin
J1-1	Black 75 Ohm coax - Shield	28	Video Ground	J2-1
J1-2	Black 75 Ohm coax - Center	28	Video	J2-2
J1-3	Black	20	SEE GND	J2-3
multi wire	all drain wires		Drain Wire GND	multi wire
Bus with J1-12, J1-14				Bus with J2-12, J2-14
J1-4	Brown	20	SEE Power	J2-4
Bus with J1-13, J1-15				Bus with J2-13, J2-15
J1-5	Wht/Org	28	TxD (RS232)	J2-5
J1-6	Org/Wht	28	RxD (RS232)	J2-6
J1-7	Blue	28	Audio/Video2	J2-7
J1-8	Wht/Blu	28	RS485- In a	J2-8
J1-9	Blu/Wht	28	RS485- In b	J2-9
J1-10	Wht/Grn	28	RS485-Out a	J2-10
J1-11	Grn/Wht	28	RS485-Out b	J2-11
J1-12	Yellow	20	NIR GND	J2-12
Bus with J1-3, J1-14				Bus with J2-3, J2-14
J1-13	Red	20	NIR Power	J2-13
Bus with J1-4, J1-15				Bus with J2-4, J2-15
J1-14	Green	20	NIR GND	J2-14
Bus with J1-3, J1-12				Bus with J2-3, J2-12
J1-15	Orange	20	NIR Power	J2-15
Bus with J1-4, J1-13				Bus with J2-4, J2-13

- Common power pins bussed together at both J1 and J2 ends.
- Common ground pins bussed together at both J1 and J2 ends.
- All drain wires bussed together and tied to ground at J1 and J2 ends.
- See Doc Number 660384 for Mil Spec wire list

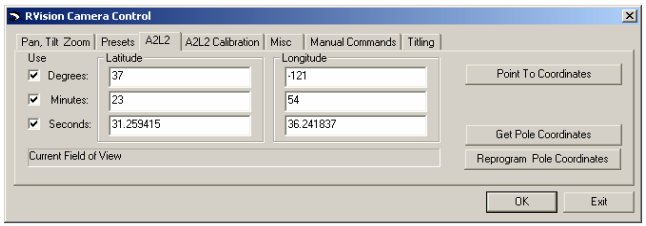


preset. Continue to change the position of the camera and repeat the process. Each time you move to a new position select a different preset. Whatever preset you want to be the last in the series, click on the “Last Preset in Tour” box.
The “Dwell” box can be used to change the number of seconds the camera stays at a certain preset. Once you have assigned positions to all six presets you can the click on “Tour Mode” or you can go to each preset individually by clicking on the 1-6 buttons. Tour mode will go through each of the six presets in order. Once the cycle is completed it will repeat itself.

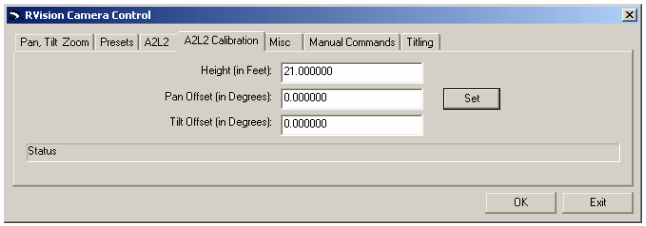
Titling: Vertical Position (use 1-3 to test)
Horizontal Position (use 1-3 to test)
Text (Use “alpha test” to test)
Color (test with text)



Titling allows you to put text up on your viewing screen. You are also able to decide where on the screen your “title” appears. This is based on a grid system where (0,0) is in the top left of the screen. To pick your vertical position start with zero and for each numerical increase your “title” will move to the right. To pick your horizontal position start with zero and for each numerical increase your “title” will move down. After you have positioned your text you can then choose to change its
color depending on the application. When everything is how you want it press the “set” button to confirm, and text will appear on-screen. To start over, press clear.



The camera will have an initial height, pan, and tilt offset respective to the slope of the surface on which it is mounted. Enter the values for this offset in the respective fields and click ‘Set’ and pSEE will compensate for this offset.

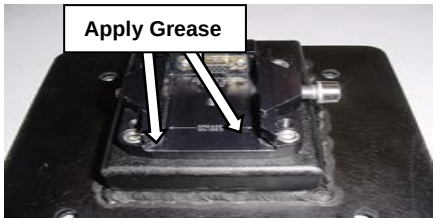


Installation & Assembly Instructions:

1. Mount foot to desired location using four screw holes.

- Remove connector dust cap from mount

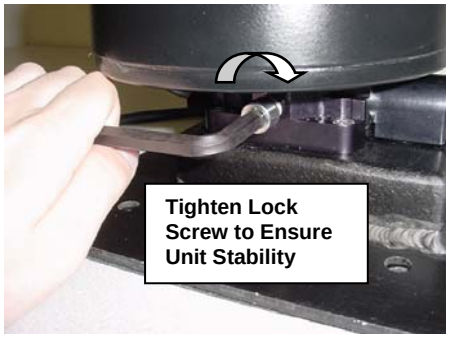
2. After cap is removed, apply di-electric grease to the shoe guides and connector



Mounting Camera:
3. Position camera over and in front of mount, then slide dovetail foot into shoe

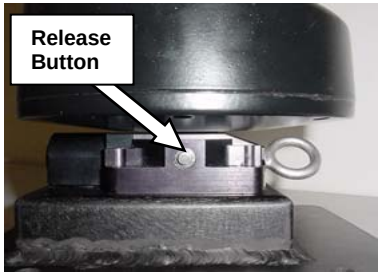
- Make sure lock screw is completely clear of guides
- Connector in first, foot snaps into place and is retained

Locking Camera:
4. Use provided 3/8” hexagonal tamper-proof wrench to tighten lock screw

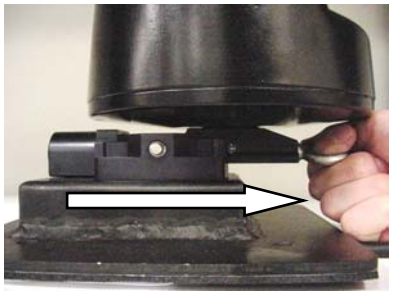


- Tight tamper screw
- Tug on camera and mount to test mechanical security

Removing Camera:



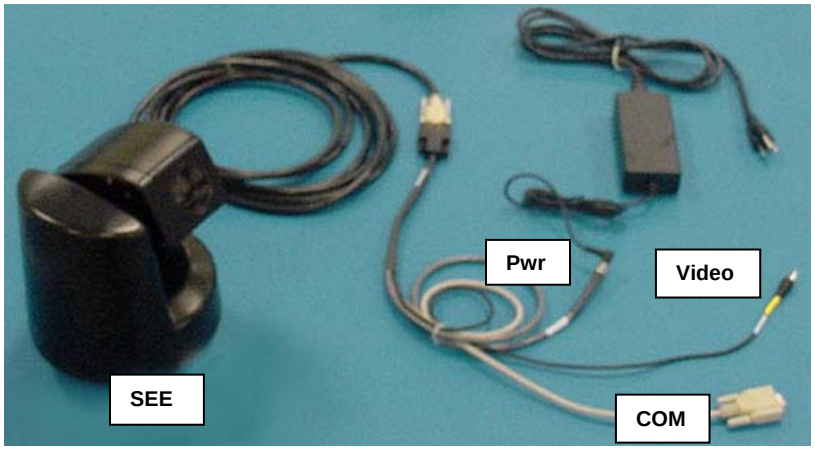
- Loosen lock screw in base
- Firmly press on release pin



- Secure Camera with safety lanyard attached to eyebolt
- Firmly grasp camera eye-bolt
- Pull foot away from base

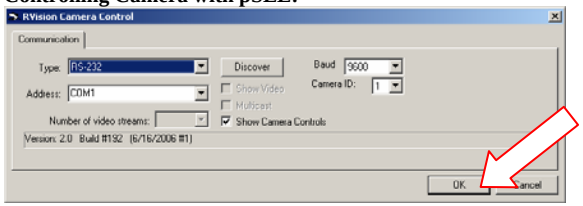
CAUTION – KEEP FIRM GRIP ON CAMERA, DO NOT DROP

Assembly Instructions:



- 24V 3A power supply: for cable lengths greater 50 ft required
- 15V 3A minimum power supply for standard camera recommended
- Illuminator options will require additional amperage

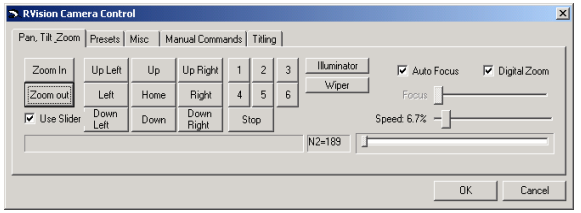
Controlling Camera with pSEE:



- Click on the shortcut to pSEE:

- Click 'OK'

Pan, Tilt, Zoom:

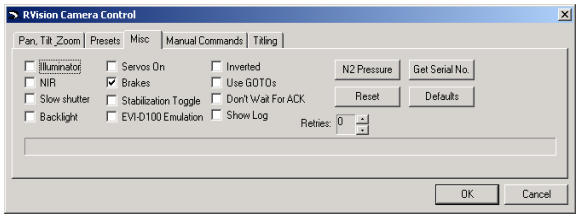


Zoom Command: Zoom In Zoom Out
Directional Command:

Home	Up	Down
Left	Up Left	Down Left
Right	Up Right	Down Right

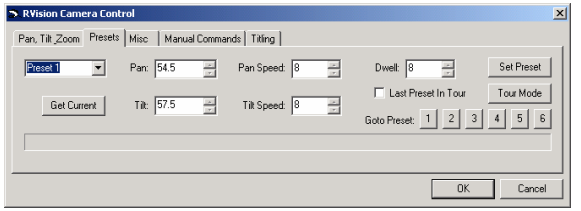
Speed Slider: Slide bar to adjust the motor speed
Quick Preset Command: Go to preset 1-6
Focus Command: Manual Focus: Use focus slider to adjust Auto Focus

Misc:



NIR: Near Infrared Mode
Stabilization: Camera Stabilization
Show Log: Shows hide command log
Backlight: Turns back light mode on/off
N2 Pressure: Nitrogen pressure
Get Serial No.: Camera serial No.
Reset: Restarts the Camera
Defaults: Sets Camera to Defaults

Presets:



Preset mode gives you the option of manually setting 6 individual presets. Then you can run them in sequence to test the functions of your camera. Begin the operation by moving your camera to a desired position. (Note: you can also zoom while assigning a preset.) Once position is achieved select Preset 1, click "Get current" then, click "Set Preset." This will set that position as your first