

TPC Advance CAM

Intraoral Camera Systems

Operation and Users Manual



Clarity

Versatility



Portability



Models Covered in this manual are as follows
AIC 5855, 5899, 5888, 5111, 5705, 5905, 5925, 5920, 5815, 5835, 5900, 5901

Micro SD Camera AIC 5855+5111+5901

Attaching Power Pack

To connect the power pack, align the two fittings together. They will only connect one way. Once aligned press into place. To remove the power pack pull back on the lock ring to release it. Then pull the power pack out of the camera while holding the lock ring in place.



Attaching LCD Monitor

To attach the on board LCD monitor slide the male end of the connection to the body of the camera. Pull straight out to remove it.

2.5" LCD monitor



Memory Card installation

Press card into camera gently
Insert only as shown in photo
Once it clicks it will be locked in place. Press again to remove.



1GB micro SD Card Exp to 16GB



Corded Setup

Connect the 5.0 VDC power supply (included) for continuous uninterrupted imaging.

Connect the (included) composite video cable to an additional display device TV or LCD monitor.



Micro SD Camera Operating Instructions

Charging the power pack

Use the provided charger to recharge the battery on your power pack. Once connected the light on the charger should be RED indicating that the battery is charging. Once it reaches a full charge the light will turn green.



Turning the camera on.

With power pack turned on or the cord connected to the camera press the freeze button to activate the system. Once the system is active you will see the letters TPC flash on the screen for about 5 seconds. Once this is completed you will see a live image.

Function of controls

Press the Freeze button to Freeze an image on the screen.
Press the Freeze button again to return to a live image.
Press the Save button to capture an image onto the memory card. This can be performed when the image is live or frozen.

Press "up" to review stored images ascending.
Press "Down" to review stored images descending.
Press "Delete" to delete any image that you are viewing while in memory.



Download images to PC

Remove memory card and place it in the micro SD to USB adaptor. Connect to USB port on computer to review saved images.



AIC5899 Direct USB Camera



1. Don't connect the USB device before running CD!
2. Place the included disc in your CD tray and run it.
3. When the auto run screen appears run each step. You may skip the TPC softimage installation if you are using your own management software.
4. Once the camera driver's are installed you will need to restart your computer.
5. After your computer reboots you may connect your camera to the computer. We recommend that you use USB 2.0 port.
6. Generally Windows 7 and Vista will install these drivers automatically. Windows XP may require additional steps. If the found new hardware wizard appears Follow the instructions within the program to complete the driver installation.
7. Additional information and instructions on the TPC software and USB driver installation can be found on the software disc.



Optional AIC 5111
2.5" LCD monitor



AIC 5888+ 705+ 5900 Wireless USB

Selecting wireless channel

To select a wireless channel flip the corresponding switch towards the desired channel 1, 2, 3 or 4. Only one channel can be turned on at any time.



Installing USB Drivers

Refer to the direct USB camera installation for installing drivers.

Connecting USB

Connect AIC 705 to USB 2.0 port on your computer.



Powering on your camera

Slide Switch down to turn on the transmitter. When the transmitter is powered on you will see the leds illuminate on the top of the transmitter. Slide back up to power it off.



Choice: Press Choice button to select different channels on the transmitter. By default the transmitter will turn to CH 1 when powering on.

Charging your Transmitter

To charge the power pack use the provided power supply. Connect it to the DC IN charging port. When the power pack is charging the LED on the charger will turn red. Once the battery is charged the light will turn green indicating a full charge.



Corded Camera System AIC5888+5905 / 5925

Connecting your Camera

To connect the camera cable, align the two fittings together. They will only connect one way. Once aligned press into place. To remove pull back on the lock ring to release it. Then pull the cable out of the camera while holding the lock ring in place.



Connecting your Docking Station

On / Off Switch. Turns power to docking station ON and Off
DC 5V: Input power jack. Connect included power supply.
Freeze: Connects to optional foot control to freeze images.
USB Out: Connects to USB port on computer for PC setup.
Video Out: Connects to analog input on display device.
VGA Out: Connects to VGA input on display device. PC monitor.
IR: Connect an external IR sensor for use with remote control.

Camera Controls



Press the Freeze button to Freeze an image on the screen.
Press the Freeze button again to save and return to a live image.
Press the full / quad button to change from full screen to quad.

Press "up" to review stored images ascending.
Press "Down" to review stored images descending.
Press the "Delete" to delete any image that you are viewing while in memory.



Optional AIC 5111
2.5" LCD monitor

USB Driver Installation

1. Don't connect the USB device before running CD!
2. Place the included disc in your CD tray and run it.
3. When the auto run screen appears run each step. You may skip the TPC softimage installation if you are using your own management software.
4. Once the camera driver's are installed you will need to restart your computer.
5. After your computer reboots you may connect your camera to the computer. We recommend that you use USB 2.0 port.
6. Generally Windows 7 and Vista will install these drivers automatically. Windows XP may require additional steps. If the found new hardware wizard appears Follow the instructions within the program to complete the driver installation.
7. Additional information and instructions on the TPC software and USB driver installation can be found on the software disc.

Docking Station Remote Control

Full / Quad Button: Choose to capture image in full screen or capture 4 images (quad).

F/M: Press button to capture image on monitor

Delete Button: Press shaded quad (1,2,3 or 4) to "delete" image from that specific quad. Press "Freeze Button" to re-capture image for specific quad.

Zoom Button: Press shaded quad (1,2,3 or 4) to "zoom" image from that specific quad. Press again to return to normal size.

Delete Single Image: This function will delete the single image that is displayed on the screen.

Delete All Memory: This will delete all images stored in memory. When pressed you will be asked "ARE YOU SURE?" To proceed, press the "delete all memory" button again and this will delete all images stored in memory.

Previous Image and Next Image: Allows you to scroll through the images stored in the camera memory.

Clear: When looking at an image in memory press the clear button to delete it out of the memory bank.



AIC5888+5815/5835+5900 wireless System

Selecting wireless channel

To select a wireless channel flip the corresponding switch towards the desired channel 1, 2, 3 or 4. Only one channel can be turned on at any time. preset to CH 1

Selecting PAL or NTSC Mode

P and N: Set to P for use with PAL camera. Set to N for use with NTSC camera.

WL and W: Set to WL for wireless mode. Set to W for wired mode. To check which mode you should use, look at the last two letters of your serial number on your camera.

NT= NTSC PA= PAL

Connecting your docking station.

On / Off Switch. Turns power to docking station ON and Off

DC 5V: Input power jack. Connect included power supply.

Freeze: Connects to optional foot control to freeze images.

USB Out: Connects to USB port on computer for PC setup.

Video Out: Connects to analog input on display device.

VGA Out: Connects to VGA input on display device. PC monitor.

IR: Connect an external IR sensor for use with remote control.

Bottom Of Docking station



Power On / Off



Power Adaptor 5V



USB PC Connection

Refer to driver disc for installation information



Video / VGA

AIC 5888+5815+5900 Wireless Camera

Charging your Transmitter

To charge the power pack use the provided power supply. Connect it to the DC IN charging port. When the power pack is charging the LED on the charger will turn red. Once the battery is charged the light will turn green indicating a full charge.



Connecting your Transmitter

To connect the transmitter, align the two fittings together. They will only connect one way. Once aligned, press into place. To remove the transmitter, pull back on the lock ring to release it. Then pull the transmitter out of the camera while holding the lock ring in place.



Powering on your camera

Slide Switch down to turn on the transmitter. When the transmitter is powered on, you will see the LEDs illuminate on the top of the transmitter. Now press the freeze button to activate the 6 LEDs and CCD. Reverse switch position to power off.



Optional AIC 5111
2.5" LCD monitor

Wireless Mode Camera Controls

Press the Freeze button to Freeze an image on the screen.
Press the Freeze button again to save and return to a live image.
Press the full / quad to change the screen from full screen to quad.

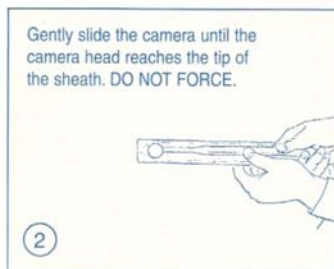
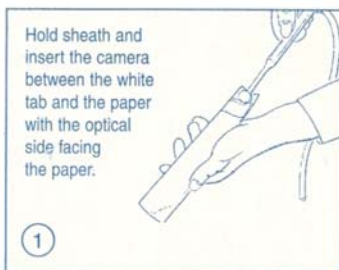
Note: While using the camera in wireless mode, you may only use the remote control to review and delete images. Refer to page 6 for remote control operating instructions.

Camera Mounted 2.5" LCD Display



- R Rotation: Adjusts the screen orientation
- M Menu: Access the on screen display options
- U Up: Make adjustments up
- D Down: Make adjustments down

AIC 500 Intraoral Camera Sheath



Identification of Components



1 GB
Memory Card



Mini SD Cam
Power Supply
AIC5901



8.5VDC
Charger



Camera
Barriers AIC500



IR Sensor
AIC-IR



Camera Cable
AIC5888



USB Cable



Composite
Video Cable



SD Camera
Cable



5 VDC
Power Cable



2.5" LCD Monitor
AIC5111



Docking Station
Remote



Transmitter
AIC5900



AIC5899-USB
Camera Cable



AIC 705
Wireless USB



Micro SD
Converter



AIC 905 & 925
AIC 5815 & 5835
Docking Stations



AIC5920
Receiver

AIC 5855 Mini SD Camera

AIC 5899 Direct USB Camera

AIC 5888+5111+5900 Wireless Camera



Warranty Information

Warranty: TPC warranties most camera components to be free from defect for a 2 year period. Components not covered under warranty are as follows: LED's are rated at 100,000 hours but not under warranty for any period. Batteries are excluded from this warranty as well. This warranty excludes negligence on behalf of the end user. Most camera components can be repaired, if an item can't be repaired and it's under warranty, TPC will replace the item. All shipping charges are to be pre paid at the end user expense.

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Name: _____
Address: _____
Telephone# _____
Product Serial Numbers
Camera
Wand _____
Docking
Station _____
Transmitter _____
LCD
Monitor _____
Power Pack _____