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

REV. 1-1-13
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.

**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.

**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.

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.

Choice: Press Choice button to select different channels on the transmitter. By default the transmitter will turn to CH 1 when powering on.
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.
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.
AIC 5888+5815+5900 Wireless Camera

Charging your Transmitter
To charge the power pack use the provided power supply. Connect it 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 LED’s and CCD. Reverse switch position to power off.

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 camrea in wirelessmode 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

1. Hold sheath and insert the camera between the white tab and the paper with the optical side facing the paper.
2. Gently slide the camera until the camera head reaches the tip of the sheath. DO NOT FORCE.
3. Peel back the protective top cover.
4. Peel away the paper backing.
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
Staion_____________________________________
Transmitter__________________________________
LCD
Monitor_____________________________________
Power Pack__________________________________