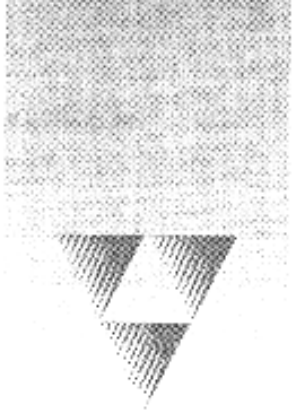

CameraMan®

1-CCD Presenter Camera System

Installation and Operations Manual

PARKERVISION®

Visibly Better.™

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PARKERVISION®
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Congratulations On Your Purchase!

Your new ParkerVision Presenter Camera System uses proven automatic tracking technology to improve your distance learning, telemedicine, and videoconferencing applications. Use this manual with the 1-CCD General Pan/Tilt Camera System Installation and Operations Manual that came with your CameraMan 1-CCD camera.

This manual covers the connection, configuration, and usage of your new Presenter Camera System. Along with basic pan, tilt, zoom, and IMAGE control of your CameraMan camera, the Presenter Camera System boasts advanced features and functionality. The system comes with an input/output Main Docking Station, the Tracking Ring Package with built-in microphone, and the wireless RF (or hard-wired) Tracking System Keypad from which autoTRACK Views and other tracking functions are controlled. All are covered in this manual.

If you have questions regarding the installation or operation of your CameraMan 1-CCD General Pan/Tilt camera, refer to the Installation and Operations Manual included with the camera.

You will see three icons throughout this manual:

This icon alerts you to *important instructions* in the operation and maintenance of your Camera Control Keypad.

This icon alerts you to *tips or noteworthy suggestions* in the operation, use or maintenance of your Camera Control Keypad.

This icon refers you to the *1-CCD Camera Installation and Operations Manual* that came with your camera.

Your 1-CCD Presenter Camera System should include these components:

- One 1-CCD Main Docking Station
- One 10' Main Docking Station Cable
- One Tracking Ring Power Pack
- One Tracking Ring Sensor
- One Tracking Ring Belt
- One Power Pack Charger
- One 1-CCD Tracking System Keypad
- One 1-CCD Presenter Camera System Operations Manual
- One 1-CCD Tracking Ring Package Quick Reference Card

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The manufacturer reserves the right to change specifications and warranty at any time without notice or obligation.

Refer all Warranty and Servicing to the ParkerVision Product Support listed in the back of the Installation and Operations Manual that came with your CameraMan camera.

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Presenter System Components

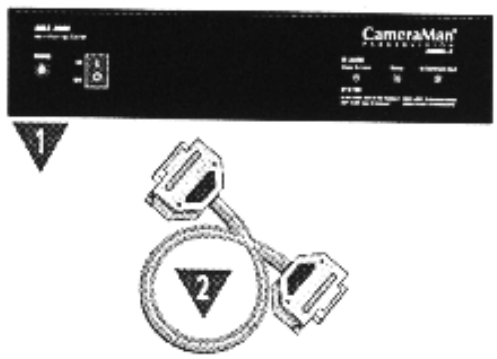
The Presenter Camera System comes with various pieces that use both infrared and RF autoTRACK technology to enable the CameraMan to follow you around the room automatically. If you have purchased this as an upgrade, your package will include all the necessary components except the camera.

Product Description

The Presenter Camera System consists of the following components:

Main Docking Station

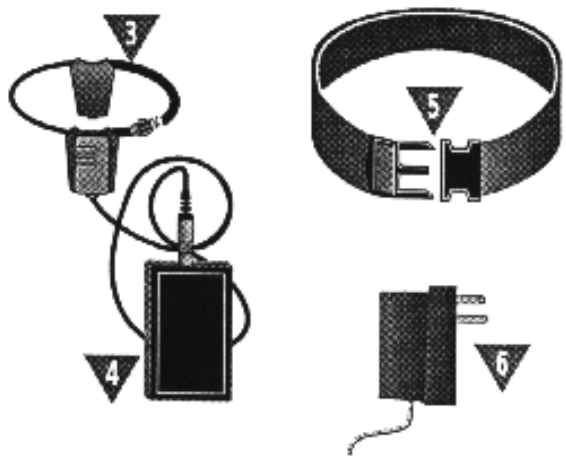
The Main Docking Station is the I/O center of your Presenter Camera System. It comes standard with two RF frequencies (alternate channels are available for special order). After you connect it to your CameraMan camera, you can control the camera's video and audio output, as well as it's movement via the tracking ring, tracking keypad, or another external control device. The Main Docking Station consists of:



- 1 Main Docking Station with two antennas
- 2 10' multi-conductor cable with 37-pin D-sub connectors

Tracking Ring Package

The Tracking Ring Package uses ParkerVision's patented autoTRACK™ technology to communicate with your CameraMan camera. By wearing the Tracking Ring, you can move freely around the room while the camera automatically follows your every move. This gives you the freedom to get up from the conference room table and walk to a flip chart without being dependent on a human camera operator or a system with a fixed or static-view camera. The Tracking Ring Package consists of:



- 3 Tracking Ring with built-in microphone
- 4 Tracking Ring Power Pack with a built-in 4-hour Rechargeable Battery
- 5 Tracking Ring Power Pack Belt
- 6 Battery Charger

Tracking System Keypad

The Tracking System Keypad 7 lets you control camera features such as autoTRACK Views, location presets, gen lock setup, and manual pan/tilt functions in either a wireless RF or a hard-wired mode. With icons illustrating every autoTRACK View button, you can easily understand what each camera view should look like.

Also available (sold separately)

Auxiliary Battery Pack (8-hour)

Main Docking Station

Take a look at the back of your Main Docking Station. The diagram below shows the various connections and configuration switches.

1 RS-485 IN and OUT JACKS – 4-position modular handset jacks used for RS-485 communications between the camera system and other CameraMan devices.

2 PVI COM JACK – 6-conductor RJ-11 jack used for communication with the Tracking System Keypad in hard-wired mode.

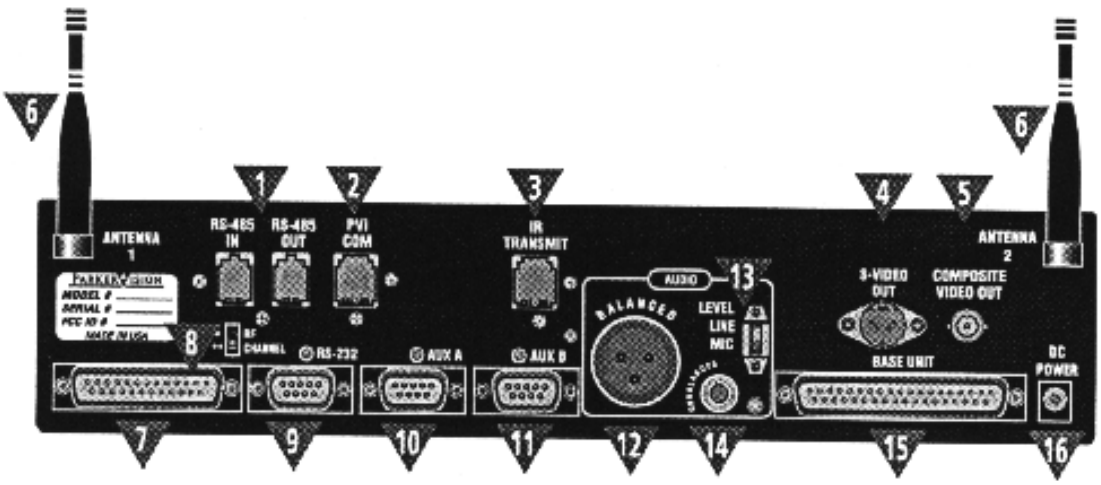
3 IR TRANSMIT JACK – Reserved for future use.

4 S-VIDEO OUT JACK – Provides direct S-Video output through standard mini DIN jack (cable is not provided).

5 COMPOSITE VIDEO OUT JACK – Provides direct composite video output through standard BNC-type jack (cable not provided).

6 ANTENNA – RF receivers for the tracking power pack.

7 REMOTE DOCKING STATION PORT – Reserved for future use



8 RF CHANNEL SELECT – Used to select which RF channel the Main Docking Station will use to communicate with the Tracking Ring Package.

9 RS-232 PORT – Standard DB-9 (female) connector provides RS-232 communications capability for devices like PCs or other vendor-control systems.

10 AUXILIARY COMMUNICATIONS PORT A – Provides communications to select CameraMan peripherals. Do not use unless otherwise specified.

11 AUXILIARY COMMUNICATIONS PORT B – Provides communications to select CameraMan peripherals. Do not use unless otherwise specified.

12 AUDIO: BALANCED JACK – Standard XLR-type connector provides balanced, audio output to connect to a standard mixer or similar audio equipment.

13 AUDIO: UNBALANCED JACK – Standard RCA-type connector provides unbalanced, mono audio output to connect to a standard mixer or similar audio equipment.

14 AUDIO: LEVEL SWITCH – Used to configure the level of the audio balanced (XLR) output, either LINE or MIC level, depending on the type of audio system interfacing with the CameraMan system.

15 BASE UNIT PORT – 10' multi-conductor, 37-pin D-sub connector provides communication between the Main Docking Station and the Camera System.

16 DC POWER – Power input for the Main Docking Station.