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## CEI-310 Broadcast Color Television Camera System

The CEI-310 was designed for electronic field production, with all the lightweight portability, all the conveniences, all the operating features, all the power sources, all the versatility, all the low light level sensitivity, all the video quality that belongs in field production. But until now has been unavailable.

- The CEI-310 camera head operates with just one cable—up to 600 feet from its electronics unit. Plenty of room for the cameraman to roam wherever he wants, to get just the shot he wants. And the absence of a myriad of cables not only makes setup easy, but gives him a new freedom of movement. If 600 feet isn't enough, your cameraman can go another 2500 feet with a Systems Integration Unit.

- The CEI-310 has a program quality microphone input built right into the camera head (and another at the Electronics Unit)—but no requirement for separate audio cables!

- The CEI-310 camera head has simple operational controls for automatic white balance and iris. The cameraman can quickly react to changing situations. He can even control a video tape recorder.

- The CEI-310 camera head, with its sealed prism optical assembly, is rugged and weathertight. It can take rough handling and withstand the rigors of the elements.

- The CEI-310, in its portable configurations, has one of the finest 3-inch viewfinders ever developed. It is fully adjustable in all directions. It can be changed in seconds from an ocular to a direct viewing setup, depending on the situation. Video level indicator is included, of course.

- The CEI-310 can be operated from a variety of power sources, from DC to 250VAC—a battery belt, a battery pack that attaches to the electronics unit, direct connection to any 12V DC source, or an AC power pack.

- The CEI-310 gives you a choice of 2/3-inch Saticon or Plumbicon rear-loading pickup tubes. Quick disconnect lens mount. A four position filter wheel with filters. Bias light. High gain, low noise preamplifiers. Self-gating low power sweep circuits. Precision yokes. Comprehensive radio frequency and magnetic shielding.

- But convenience and versatility are just one part of the story of this remarkable new camera. Equally important is that the CEI-310 gives you uncompromised full broadcast quality video performance, with outstanding S/N ratio, sensitivity, and resolution. And full production system control features.

The compact electronics unit has everything that sophisticated electronics can provide for signal processing, including an ultra stable I and Q encoder with color bar generator.



### Configurations

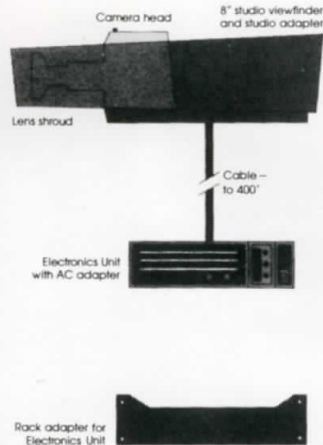
#### Portable field production configuration



Fully adjustable 3-inch viewfinder may be used with ocular adapter or hood for direct viewing.

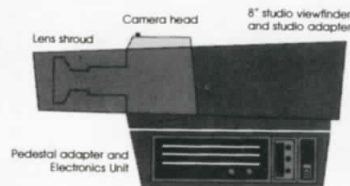
Electronics Unit may be used as a backpack (with harness), or as a remote unit, with or without rack adapter. Battery belt comes with cord and internal charger. It may be replaced with a battery pack that snaps to the Electronics Unit.

#### Basic studio system configuration



Camera head quickly mounts to studio adapter plate and connects to 8-inch studio viewfinder. Quick disconnect lens mount makes lens changes easy. Lens shroud slides in place. Electronics Unit may be rack mounted up to 400 feet away.

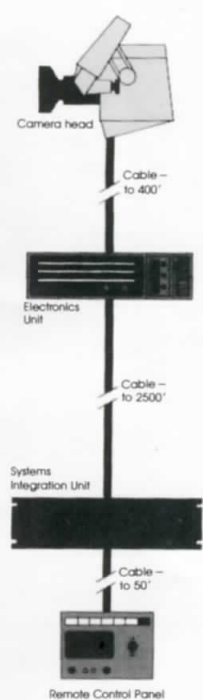
#### Basic studio self-contained configuration



Set-up is almost the same as for studio system configuration, except that a pedestal adapter is added to contain

the Electronics Unit and AC adapter. Now the system is totally self-contained.

#### Extended operation for any configuration



Any configuration—portable or studio—may be remoted up to 2500 feet beyond the Electronics Unit with a Systems Integration Unit and a Remote Control Panel.