

# Norelco®

PC-100 DIGITALLY CONTROLLED  
THREE-PLUMBICON\*  
COLOR TELEVISION CAMERA  
PRELIMINARY DATA



The PC-100 digitally controlled television camera is a completely new Plumbicon\* color camera constituting the most significant advance in camera technology since the introduction of the Philips Plumbicon tube itself.

Modern design techniques and modular system layout have been used to achieve high stability, re-

liability and flexibility in operation. Its new, compact, low-silhouette design is based on experience gained in the development and refinement of more than 1000 Three-Plumbicon color cameras . . . plus the utilization of digital control techniques that bring an entirely new dimension of positive performance and economy to color television.

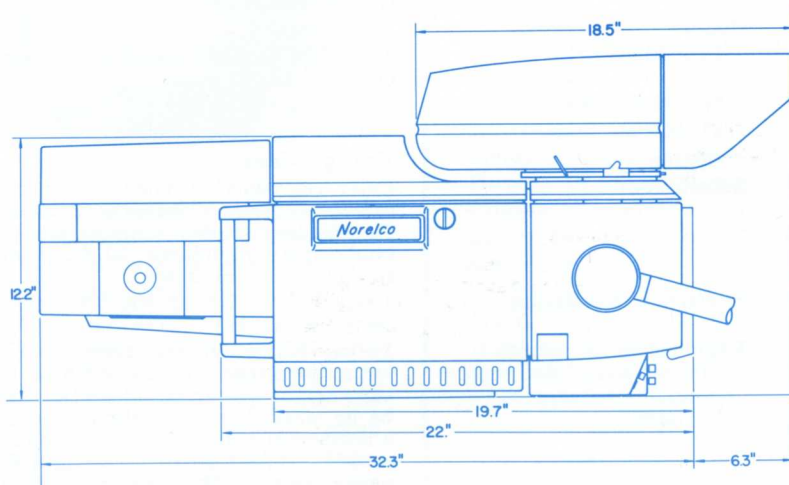
## FEATURES

- Lightweight, low-profile camera head.
- Three new one-inch Plumbicons — separate mesh, low target capacity and anti-comet tail gun.
- Triaxial camera cable — automatic compensation up to one mile.
- Video processing with contours — matrixing and encoding in camera head.
- Integral lens design mounts easily—has internal drive mechanism.
- Magnesium castings withstand most severe operational environment.
- Efficient color splitter prism and linear matrixing for optimum colorimetry.
- Chroma Keying Signal.
- Signal to noise: 50 dB.
- Transportable modular control unit with interlocked control panel for ease of set-up.
- Multiplexed Video and Digital control — video, audio, control and power multiplexed in lightweight triaxial camera cable.
- Viewfinder is removable, tiltable and rotatable.
- Program Audio from Camera Head.

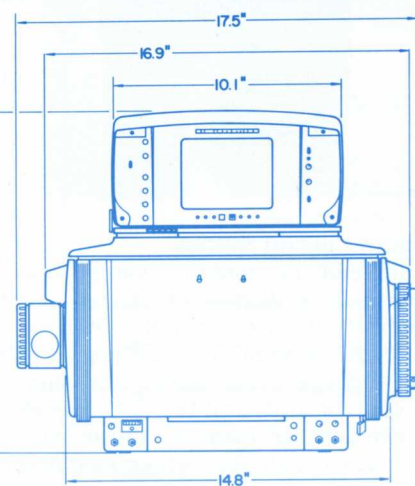
# Mechanical Dimensions and Weights

## PC-100 Digitally Controlled Color Television Camera

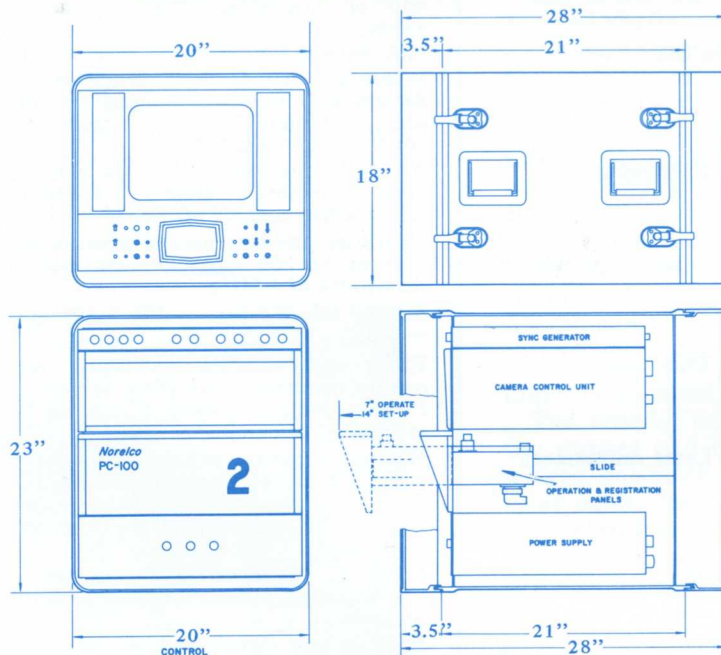
### Camera-Side View



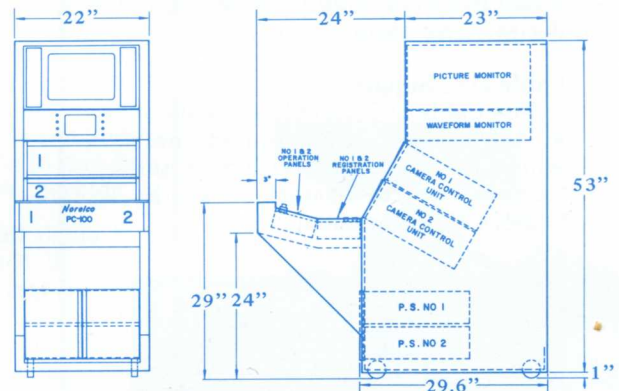
### Camera-Rear View



### Camera Control-Mobile



### Camera Control-Studio



### WEIGHTS

|                                           |         |                                                                                   |          |
|-------------------------------------------|---------|-----------------------------------------------------------------------------------|----------|
| Camera Head (Less Viewfinder & Lens)      | 75 lbs. | Studio Console (Includes Waveform Monitor & Picture Monitor)                      | 266 lbs. |
| Viewfinder                                | 20 lbs. |                                                                                   |          |
| Lens (Angenieux 14-140 mm)                | 30 lbs. |                                                                                   |          |
| Camera Control Unit                       | 46 lbs. | Portable Cases:                                                                   |          |
| Power Supply (Camera D.C.)                | 82 lbs. | a. Control Unit (Includes C.C.U. operations & registration panels & Power supply) | 186 lbs. |
| Control Panels (Operation & Registration) | 8 lbs.  | b. Monitor Unit                                                                   | 135 lbs. |



Date subject to change  
without notice.  
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