The HC-1 Camera

The new state of the art in portable color television cameras

A three Plumbicon or Saticon pickup tube design

Both light and compact

Have It Your Way...With HAWKEYE
Specifications

SCAN STANDARDS
EIA ........................................ 525/60
CCIR ........................................ 625/50

COLOR STANDARDS
Tapes available for NTSC, PAL-B, PAL-M, SECAM-IIIB

HC-1 CAMERA

TUBE-RELATED PARAMETERS*

SENSITIVITY
3200°K light incident on a
60% reflectance Munsell .................................. 56 footcandles
white, to make 100 I.R.E.
units video at 1/1.4

REGISTRATION
Zone 1 ........................................ 0.1%
Zone 2 ........................................ 0.2%
Zone 3 ........................................ 0.3%

(Signals Registration Deviation in Lens)

GEOMETRY ........................................ =1.0%, Zone 1, 2 and 3
(Excludes Geometry Deviation in Lens)

WEIGHT
HC-1 Camera ........................................ 10.5 lbs (4.8 kg)
HCA-1 Two-piece adaptor .................................. 1.5 lbs (.7 kg)
HCT-1 Triax adaptor .................................. 3.5 lbs (1.6 kg)

SATICON
PLUMBICON

10.5 lbs (4.4 kg) .................................. 9.7 lbs (4.4 kg)
1.5 lbs (.7 kg) .................................. 1.5 lbs (.7 kg)
3.5 lbs (1.6 kg) .................................. 3.5 lbs (1.6 kg)

ENVIRONMENTAL
Ambient Temperature Limits: .................................. -4° to +13°F
(-20° to +45°C)
Ambient Relative Humidity .................................. 0 to 90% RH
Operational Altitude .................................. To 15,000 ft. ASL (3048 m)

STABILITY
Specifications are met over a range of ±27°F (±15°C)
from the set-up ambient temperature

POWER
Input ........................................ 12v DC nominal (11.5-14v)
Consumption .................................. 28 watts

SATICON
PLUMBICON

24 watts .................................. 24 watts

DIMENSIONS
Length .................................. 12” (305 mm)
Height — Optics Area: .................................. 9.5” (241 mm)
Height — Module Area: .................................. 6.3” (160 mm)
Width .................................. 3.6” (91 mm)

*Typical values — actual values may vary slightly from one tube set to another.
**Assuming typical lens M.T.F. of 75%.

Total HAWKEYE family flexibility

HC-1 Camera The HR-1 Recorder HE-1 Edit Controller HR-2 Studio VTR HC-1 plus HR-1 equals HAWKEYE HCR-1

Total RCA support

From Tech Alert’s round-the-clock, round-the-globe information service, to fast parts delivery, to technical assistance on-the-spot, RCA’s reputation for support is almost legendary.

When you acquire RCA products you can rest assured that a major corporation with decades of experience stands behind every item. It’s a good feeling to have, and another good reason to select the HC-1 camera for your needs — today and tomorrow.