

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

RCA

Specifications

SCAN STANDARDS

EIA 525/60
 CCIR 625/50

COLOR STANDARDS

Tapes available for NTSC, PAL-B, PAL-M, SECAM-III

HC-1 CAMERA

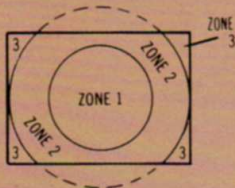
TUBE-RELATED PARAMETERS*

SENSITIVITY

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

REGISTRATION

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



(Excludes Registration Deviation in Lens)

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

SIGNAL-TO-NOISE RATIO

(1) Measurement conditions: 170 nanoamps signal, gamma = 1.0, capped black, aperture correc- tion off, electrical band- width 100% at 4.2 MHz, Rhode & Schwarz meter, subcarrier trap, 10 kHz trap.	NTSC 55 dB	PAL 53 dB
(2) Operating conditions: Gamma = 0.45, 14% Re- flectance chart, 3200° K illumination, aperture corrected to 100% at 4.2 MHz, Rhode & Schwarz meter with subcarrier trap, 10 kHz trap.	47 dB	45 dB

RESOLUTION**

[Green, Center, $\delta = 1.0$,] w/o aperture correction	@ 320 lines	SATICON 61%	PLUMBICON 45%
	@ 400 lines	51%	35%
	Limiting, w/aperture corr.	600 lines	600 lines

WEIGHT

	SATICON	PLUMBICON
HC-1 Camera	10.5 lbs (4.8 kg)	9.7 lbs (4.4 kg)
HCA-1 Two-piece adaptor (for use when HR-1 VTR is separated, or when another composite-type VTR is used)	1.5 lbs (.7 kg)	1.5 lbs (.7 kg)
HCT-1 Triax adaptor	3.5 lbs (1.6 kg)	3.5 lbs (1.6 kg)

ENVIRONMENTAL

Ambient Temperature Limits -4° to +113°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

	SATICON	PLUMBICON
	28 watts	24 watts

DIMENSIONS

Length 12" (305 mm)
 Height: - Optics Area 9.5" (241 mm)
 - 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.