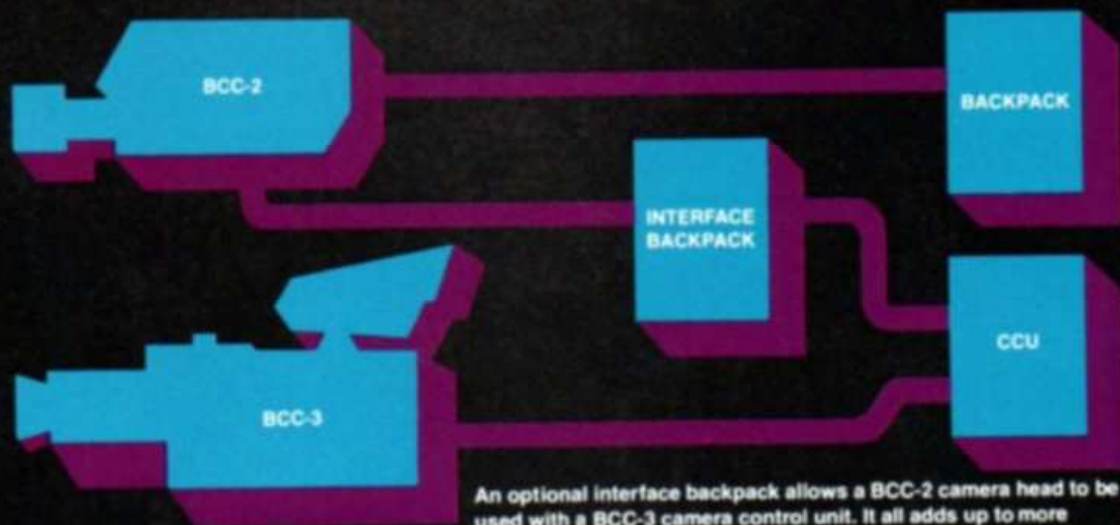


AMPEX

BCC 2 Color  
Television  
Camera

## Additional BCC-2 features

- Dust—and moisture—protected optical compartment
- All components mounted on single optical bench
- Lightweight, miniaturized yoke assemblies
- Fully scan-protected tubes
- Video level indicator
- Optional gen-lock module
- Two microphone inputs (camera head and backpack)
- Intercom system
- 2-line image enhancer with combing and coring
- Shading correction for Plumbicon signals
- Calibration test signal
- Backpack incorporates chimney-type convection cooling
- Battery level alarm



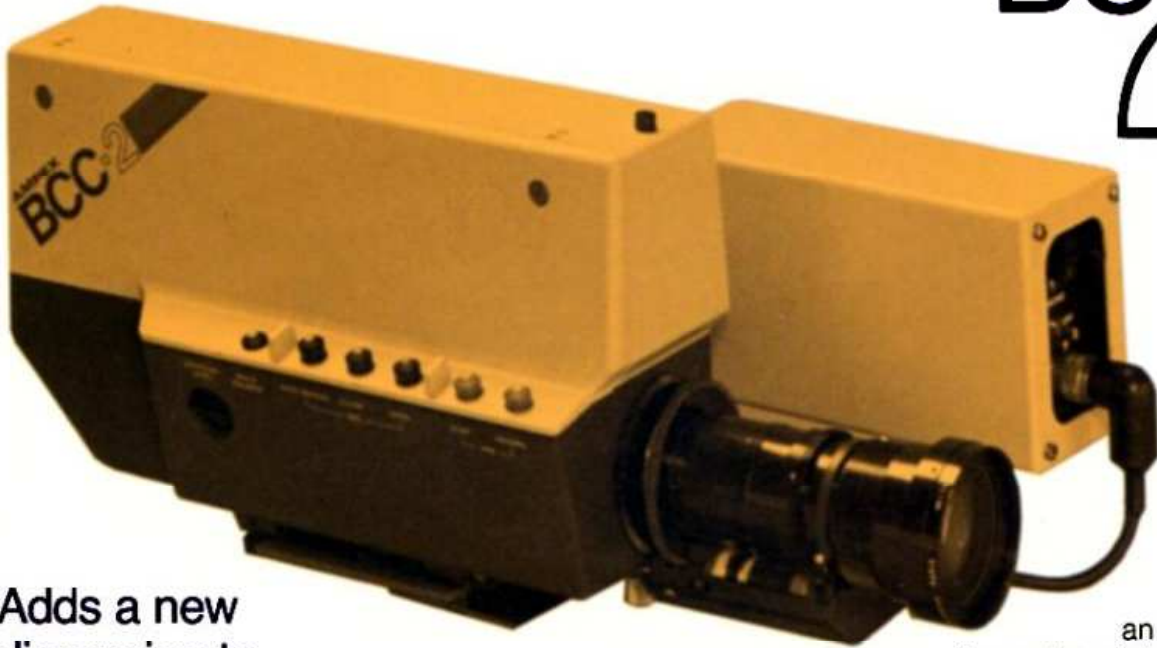
An optional interface backpack allows a BCC-2 camera head to be used with a BCC-3 camera control unit. It all adds up to more versatility and more value from both camera systems.



**A complete system**

- Camera with zoom lens
- Viewfinder
- Camera cable—4.5 ft
- Backpack
- Battery pack/battery—1.5 hr
- Battery charger
- Camera carrying case
- Backpack carrying case
- Camera shoulder mount
- Backpack harness
- Instruction/Service manuals
- AC adapter
- Maintenance Kit (Extender cards and necessary tools)

# BCC2



**Adds a new dimension to news, sports, documentary, and production shooting with true mobility, top performance.**

This new hand-held color camera from Ampex is designed for electronic news gathering conditions, yet gives nothing away in terms of broadcast-quality performance. High sensitivity, automatic iris and color balance, stability, light weight, and battery/AC operation are just a few of the reasons why it delivers consistently professional performance in the field, in production work, and in situations where you don't get a second chance.

The camera head weighs less than 16 pounds, including a 10x zoom lens and tiltable viewfinder. Many features, such as three 1-inch broadcast-grade Plumbicon\* tubes, including

an extended red, insure top picture quality. In all respects, camera performance is equal to that of full-size broadcast color cameras (see Specifications).

For maximum mobility, your camera operator can hook into a portable VTR. Or, he can work up to 2400 feet from a van.

As a mobile camera should, the BCC-2 gets off to a fast start. A usable picture is available in only 2 to 3 seconds from standby mode. From a cold start, the BCC-2 will meet all performance specifications within minutes.

External controls are conveniently located on the camera head, and include Automatic/Manual Iris, Headphone Level, Power Switch, VTR Stop/Record, Master Video Gain, Auto White Balance, and Encoder-Video/Bars.

The viewfinder features a high-resolution, high-brightness CRT with a corrective lens. There are external controls for contrast and brightness and a peaking signal switch. A camera shoulder support is provided, together with the backpack and backpack harness. The

\*T.M. N.V. Philips

backpack weighs 17 pounds, and contains a card cage for the sync system, the video processing system, and a battery pack or AC power supply.

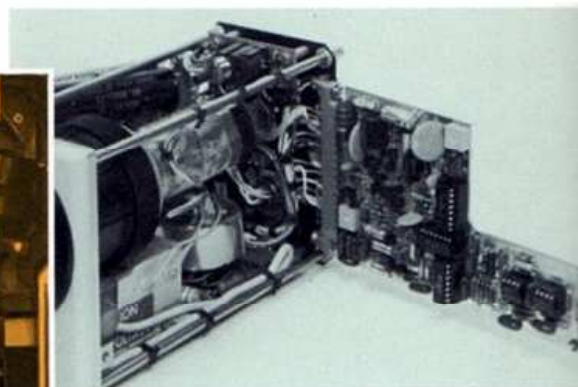
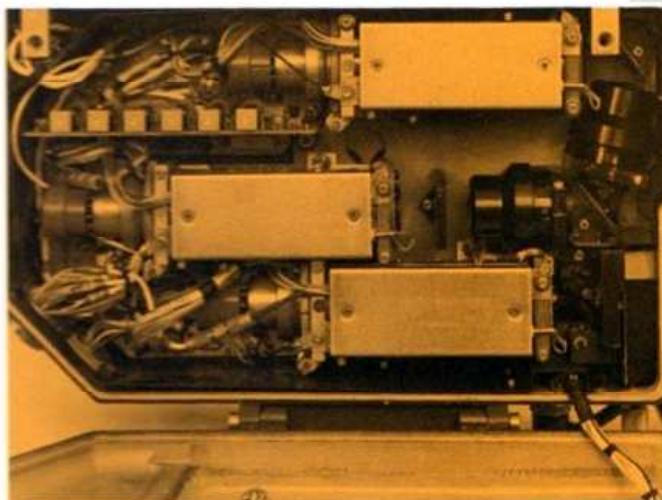
Several power sources are available. The BCC-2 comes equipped with a battery pack that provides 1.5 hours of operation. Longer-life batteries are optional. An AC-operated power supply is also standard, and operates on nominal voltages from 100V to 250V, 50 or 60 Hz. The system can also be powered by a standard 12-volt automobile battery, using an optional DC power cord with cigarette lighter adapter.

The standard battery charger charges two batteries overnight. An optional high speed unit charges batteries in less than two hours.

**Versatile** The BCC-2 is doubly useful as the ideal all-around production camera. Mount it on a tripod, with an optional studio-type viewfinder, and you can use it along side studio cameras such as the Ampex BCC-3. Color correction filters allow it to be used either indoors or outdoors with equal confidence. Limiting resolution of 500 lines means that it can be used with full size studio cameras with no compromise. The BCC-2 can also be connected to its

optional remote control unit or the Camera Control Unit of the Ampex BCC-3 color studio camera. It's more than just a mobile camera, it's a versatile unit that adds depth to your entire camera team.

**Maintenance** Everything about the design of the BCC-2 makes maintenance convenient. Open the hinged cover plate on the camera head and you



can quickly make adjustments without removing the dust cover. The viewfinder opens up easily, and printed wiring boards are hinged for easy access to every part. Similarly, the backpack offers quick access to all printed wiring boards, to the adjustment panel, and to the quickly removeable power supply.

No other portable color camera offers more capability or better performance than the Ampex BCC-2. For news, sports, production, and as an additional studio camera, it more than pays its way.

# BCC<sup>2</sup> Color Television Camera

## Specifications:

### Power

12V battery pack or external battery input.  
AC power supply: 100V to 250V, 50 Hz - 60 Hz.

### Scans

EIA ..... 525/60, CCIR ..... 625/50

### Color Standards

NTSC, PAL-I/B, PAL-M, SECAM.

### Outputs

Program Video— encoded composite - 75 ohms  
Monitor Video— selectable R, G, B, R-G, B-G and encoded composite video - 75 ohms  
VTR Connector— includes program video, viewfinder return, VTR stop/record, two microphones, intercom.

### Sensitivity/Signal to Noise

A -46 dB signal to noise ratio in encoded luminance channel at 50% peak white, no aperture correction, and a 5.5 MHz bandwidth will be achieved at an aperture of f 2.8, 80 footcandles (863 lux) 3200°K illumination incident on a 60% reflective white or; >38 dB signal to noise ratio, measured as above but with 20 fc (216 lux) and +12 dB gain inserted.

### Environmental

Temperature range: ambient -15°C to +50°C  
storage -30°C to +85°C

### Stability

All specifications will be met within 15 minutes of applying power. From standby, tracking of black and white  $\pm 1\%$  after 3 minutes of operation. A usable picture is available 2 to 3 seconds from standby.

### \*Registration Accuracy

Zone 1 (circle equal to 0.8 picture height) 0.1%  
Zone 2 (circle equal to picture width) 0.3%  
Zone 3 (elsewhere) 0.4½

### \*Geometry

Zone 1 (circle equal to 0.9 picture height) 0.5%  
Zone 2 (circle equal to picture width) 1.0%  
Zone 3 (elsewhere) 1.5%  
Registration accuracy and geometry specifications do not include lens deviations and are measured with average Plumbicon tubes.

### Resolution/Modulation Depth

Resolution shall be 100% at 300 lines and 80% at 400 lines (correctable to 100% at 400 lines). Measurements made with 1.0 gamma @ 300 NA of green signal current.  
Limiting resolution >500 lines.

### Dimensions

	Camera Head	Viewfinder	Lens
Height:	8''(20.3 cm)	4.5''(11.4 cm)	3''(7.6 cm) dia.
Width:	4''(10.2 cm)	3''(7.6 cm)	3''(7.6 cm) dia.
Depth:	13''(33 cm)	10''(25.4 cm)	7.5''(19 cm)
Weight:	8.9 lbs (4 kg)	3.8 lbs (1.7 kg)	2.5 lbs (1.1 kg)
	Total Weight	15.2 lbs (6.89 kg)	

Back Pack	
Height:	20.7''(52.6 cm)
Width:	12.5''(31.7 cm)
Depth:	7.3''(18.5 cm)
Weight:	19 lbs (8.62 kg)



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