

**AMPEX**

# BC-210M Monochrome Studio Camera

The Color-Convertible Camera



J. V. Phillips

Here at last is a single Plumbicon\* tube monochrome camera that was designed for today's profit and performance-conscious broadcaster. The BC-210M gives you the advantage and flexibility of starting off with a broadcast quality monochrome camera and, whenever you're ready, easily and quickly converting it to color.

The BC-210M is the same compact, lightweight camera as the BC-210, its color counterpart. You get the identical reliability and stability that allows you to maintain studio-quality performance without financial sacrifice, when you decide to go color. You can quickly

colorize the BC-210M with an easily installed conversion kit, and the final product will deliver the same high performance as a production line BC-210. And here's an additional inherent benefit that's sure to please—your BC-210M color-convertible monochrome camera eliminates any "trade-in" losses when going to color.

For the camera that can put you ahead, both in monochrome performance now and in color dollars later, contact your nearest Ampex representative listed on the reverse side, along with the BC-210M's specifications. He's ready now to give you the complete details.

## specifications

**INPUT PULSES.** Bridging inputs for H drive, V drive, mixed blanking and sync.

### RESOLUTION

- 100% amplitude response at 400 lines center with horizontal enhancement.
- 60% amplitude response at 400 lines corners with horizontal enhancement.
- Limiting horizontal resolution—600 lines center.
- GAMMA CORRECTION—0.45 to 0.55 adjustable.

**HORIZONTAL EDGE ENHANCEMENT.** Adjustable to +12dB at 3.5 MHZ.

**OPERATING STANDARDS.** 525 lines, 60 fields.

**Temperature Range** — -5°C to +45°C.

**Stability** (For a  $\pm 10^\circ\text{C}$  Change within above limits).

- SHORT TERM—Rehearsal quality picture in one minute from switch on.
- LONG TERM—After 25 minutes warm-up over a period of 8 hours over-all gain is  $\pm 5\%$ .

### SENSITIVITY AND SIGNAL TO NOISE RATIO

- TEST CONDITIONS—30 ft. candles incident illumination and a lens iris setting of F2.8 (Plumbicon format) grey scale test card with 60% reflectance on white step.
- SIGNAL-TO-NOISE RATIO better than 40 dB measured at 50% of peak white with horizontal enhancement and Gamma correction.

**PEAK-TO-PEAK SIGNAL RMS NOISE** Measured on 4.2 MHZ bandwidth at output.

**POWER.** 115V at 50-60 HZ 325VA.

**VIEWFINDER.** Resolution 600 lines (center); brightness 200 foot-lamberts.

### DIMENSIONS

	Height	Width	Depth	Weight
Camera	14.75"	8.50"	21.50"	Less than 38 lbs.
Viewfinder	7.75"	8.00"	9.62"	10 lbs.
Control Panel	4.00"	9.75"	27.15"	10 lbs.
Picture and Waveform	18.00"	9.56"	18.56"	70 lbs.
CCU	Less than BC-210	22.00"	23.00"	Less than BC-210
6/1 Zoom lens				4½ lbs.
10/1 Zoom lens				17 lbs.

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