

BCC-10

BROADCAST VIDEO CAMERA

PRELIMINARY SPECIFICATIONS

POWER

95-130 V rms or 190-260 V rms.
47-63 Hz @ \approx 500 VA

SCANS

EIA 525/60 fields/s
CCIR 625/50 fields/s

COLOR STANDARDS

NTSC, PAL/IB, PAL-M, SECAM

INPUTS

EIA/CCIR composite sync and subcarrier and 7.8 KHz square wave or PAL-P pulse

OUTPUTS

3—75 ohm video outputs, 2 composite and one selectable composite/non-composite. Separate R-G-B outputs.

TYPICAL PERFORMANCE

SENSITIVITY

Full output obtained under following conditions:

Zero added gain: 75 fc, 60% reflectance chart @ $f/2.8$

12 dB added gain: 6 fc, 60% reflectance chart @ $f/1.6$

SIGNAL-TO-NOISE RATIO

54 dB — NTSC (4.2 MHz bandwidth)

52 dB — PAL (5.5 MHz bandwidth)

—luminance channel, zero added gain, unity gamma, zero enhancement

ENVIRONMENTAL

temperature range

camera -15°C to $+45^{\circ}\text{C}$

CCU 0°C to $+45^{\circ}\text{C}$

STABILITY

CAMERA HEAD: All controls stable over -15°C to $+45^{\circ}\text{C}$ (auto centering on) after 10 minute warmup period and over any 1000 hour interval.

CCU: All controls stable over 0°C to $+45^{\circ}\text{C}$ after 10 minute warmup period and over any 1000 hour interval.

REGISTRATION ACCURACY

Zone 1 (circle equal to 0.8 picture height) .05%

Zone 2 (circle equal to picture width) 0.1%

Zone 3 (elsewhere) 0.2%

GEOMETRY

Zone 1 less than 0.25%

Zone 2 less than 0.5%

Zone 3 less than 1.0%

Registration accuracy and geometry specifications do not include lens deviations and are measured with average Plumbicon tubes.

MODULATION DEPTH

In the G signal, when transmitting a 5 MHz bar pattern at optimum setting in center of screen without aperture correction $>40\%$ (depending on tubes) with aperture correction adjustable to 100%.

RESOLUTION

Limiting 650 lines (depending on Plumbicon tube)

VIEWFINDER

Brightness: 200 foot lamberts (685 NIT) high frequency peaking, switchable

DIMENSIONS

	Length	Width	Height	Weight
Camera Head	560mm (22 in)	483mm (19 in)	280mm (11 in)	36kg (79 lb)
	Depth	Width	Height	
CCU	500mm (19.7 in)	483mm (19.0 in)	222mm (8.75 in)	
Power Supply	500mm (19.7 in)	483mm (19.0 in)	133mm (5.25 in)	
Control Panel	116mm (4.6 in)	483mm (19.0 in)	178mm (7.0 in)	



AmpeX reserves the right to make product and specification changes at any time without notice.

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