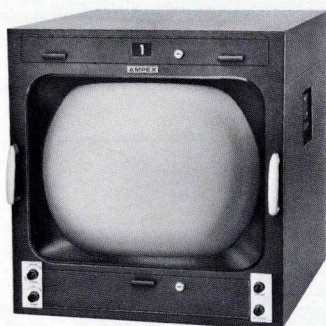


Television Monitors for Broadcast

As part of its complete range of television studio equipment, Ampex offers high-quality broadcast monitors in a wide variety of screen sizes and mechanical configurations. All are built for continuous duty with a minimum of maintenance. While monitors are connected for full scan operation at the factory, they may be easily switched or field-connected for reduced scan. All models have switch-selectable zero or 100% dc restoration. All models offer loop-through feature.



CYB17/C



CYB21/C

CYB Series—17, 21-inch Color Monitors

The CYB Series are compact, professional color monitors—available for mounting (on slides) in 19-inch rack or cabinet. They are designed to meet rigid broadcast studio requirements and all use a combination of solid-state/vacuum tube circuitry to obtain maximum stability and performance. The CYB17 uses 21 vacuum tubes and 101 transistors; the CYB21 uses 17 vacuum tubes and 110 transistors.

Specifications	CYB17/17-inch	CYB21/21-inch
Input Power	105/130 V, 60 Hz, 350 watts 3-wire, 6 foot cord with twist lock disconnect furnished	120/240 V, 60 Hz, 350 watts 3-wire, 6 foot cord with twist lock disconnect furnished
Video Signal	0.25 V, p-p minimum; sync is negative at monitor input	0.2 V, p-p minimum; sync is negative at monitor input
Video Input Impedance	high impedance bridging; can be terminated by an internal 75 ohm load through a switch located on the rear apron	
External Sync	3–8 V, p-p, high impedance, sync negative; parallel coax input connectors	1–8 V, p-p, high impedance, sync negative; parallel coax input connectors
Video Response	flat to 5 MHz in black and white position; a 3.58 MHz trap is automatically switched-in during color operation, while frequencies above 3.58 MHz are rolled off; variable aperture correction available from front panel control.	
Linearity	within 2% of picture height	within 1% of picture height
Models	CYB17/C: with metal cabinet CYB17/RS: rack mounting, 19" CYB17/Y: in cabinet with mounting studs	CYB21/C: for metal cabinet CYB21/RS: rack mounting, 24" CYB21/Y: in cabinet with mounting studs
Mounts Available	M5 ceiling mount (for CYB17/Y) M4 pedestal mount (for CYB17/Y)	M9 ceiling mount (for CYB21/Y)

CZB Series—8, 14, 17-inch Black and White Monitors

The Ampex CZB Series offers the broadcast engineer not only a dependable, performance stabilized picture, but a new test instrument. Combining the major advantages of both tubes and transistors, the CZB assures the same professional monitor features in every display size from eight to seventeen inches (20.3 to 43.2 cm) while introducing new standards in operation.

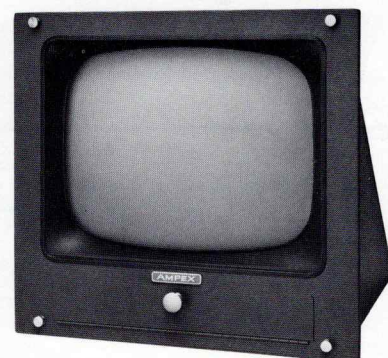
Picture Comparison Capability is possible since the CZB features dual, matched inputs and a local-remote input switcher. Standard test signals can be piped to one input while the picture being monitored is distributed to the other.

Black Level Drift can be monitored since the CZB utilizes a keyed back porch clamp, directly coupled amplifiers, and brightness stabilizing circuits. At the same time, the monitor can detect hum, noise, and spurious signals on the incoming line.

Sync Signal Analysis is accomplished through utilization of a front panel control which permits the operator to shift the picture one-half a line while simultaneously increasing the horizontal oscillator time constant to display possible tape recorder hunting. Another position of the same switch displays a pulse cross pattern while increasing the brightness automatically for better observation of the sync pulses.

Other Operational Features include remote adjustment of the brightness in addition to the remote switching of the input signals—coarse and fine contrast controls—picture size switch—117 / 234 V line operation, 50/60 Hz—scanning standards U. S. or CCIR.

Models CZB8/N: 8" (20.3 cm) monitor, chassis only
CZB14/R: 14" (35.6 cm) monitor, for mounting in 19" rack
CZB17/R: 17" (43.2 cm) monitor, for mounting in 19" rack



CZB17/R

RLB14— Fully Transistorized 14-inch Monitor

Using only 10½ inches (26.7 cm) of rack space and offering an optimum 14-inch (35.6 cm) picture, the transistorized RLB14 provides improved monitor reliability, low power drain and minimal radiation to affect other equipment. With both high and low voltage regulation, the RLB14 assures extremely stable pictures for broadcast applications. Size or brightness of the RLB14 will not change as line voltage varies from 100 to 130 volts.

SPECIFICATIONS

Video Response: flat to 10 MHz, assuring center resolution of 800 lines, corner resolution of 700 lines. Differential gain is below 5% with the built-in 75 V drive to the kinescope (for excellent gray scale characteristics).

Linearity: within 1% of picture height, both horizontal and vertical. A 70 degree tube is used to assure accurate picture geometry and excellent corner focus.

Size of Raster: adjustable from the front of the monitor to completely show all four sides and corner.

Models: RLB14 — for mounting in 19" rack



RLB 14

RNC9— Transistorized Twin 9-inch Monitor

Using all-transistor circuitry, the RNC9 offers broadcasters an extremely compact monitor in a twin screen configuration. It is a full broadcast-quality unit, designed for continuous operation, and features: low power drain, improved reliability with low maintenance, excellent geometry and small spot size in its rectangular 9-inch (22.9 cm) kinescope tubes, regulation of both high and low voltage.

SPECIFICATIONS

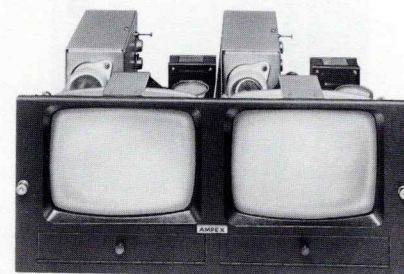
Resolution: 800 line center resolution, 700 line corner resolution

Video Response: flat to 10 MHz, while differential gain is below 5% at 75 V drive to the kinescope

Linearity: 2% of picture height, both horizontal and vertical

Size of Raster: adjustable from front of monitor to completely show all four corners and sides

Models: RNC9/2R — twin 9" (22.9 cm) units for mounting in 19" rack



RNC9/2R

AV12E— Broadcast Television Receiver

The AV12E Television Audio-Video Receiver is particularly designed for monitoring, video recording or rebroadcasting applications. It supplies composite video and separate audio from "off-the-air" signals. It is designed for use with either of two kinds of interchangeable plug-in units: Type MCU Crystal Controlled for any single VHF channel; or Type SU-213, a 12-channel turret tuner.

SPECIFICATIONS

Input Power: 117/234 V, 50/60 Hz, 95 watts, fused 6-foot cord furnished.

RF: VHF 2-13, 75 ohms unbalanced; can be supplied for 300 ohm balanced input if specified at time of ordering; UHF individual plug-in strips available for turret tuner, 300 ohm balanced input.

Video Output: sync negative, nominally 1.4 volts p-p, adjustable; additional connector available for local monitoring; SO239 type connectors.

Audio Output: zero dbm, 600 ohms balanced; Peerless output transformer, screw terminals; the unit is shipped with the multi-tap audio output transformer connected to feed standard 600 ohm balanced lines; can be reconnected for other commonly used impedances.

Models: AV12E — basic audio/video receiver (less plug-in)

MCU — single channel plug-in (VHF only)

SU-213 — 12-channel turret tuner



AV12E

SU-213

MCU

Term financing and leasing available on all equipment and systems in most places throughout the world. Ampex Corporation reserves the right to change specifications without notice and without obligation. These specifications supersede all previous specifications, stated or implied. Contact your Ampex field sales office, or write directly, for complete technical data on all Ampex monitors.

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