

IVC-301

The Moderately Priced 3-Plumbicon Colour Camera

One of the world's leading manufacturers of colour television cameras now makes a 3-Plumbicon* colour camera priced for budget conscious broadcasters and sophisticated CCTV users. The IVC-301 lowers costs and simplifies studio, remote and commercial colour broadcasting. It adds a new dimension of colour to CCTV. The IVC-301 is compact (weighs 35 kg without lens), mobile, transportable—an easy one-man operation. Low light level performance gives studio quality colour pictures at 1,000 lux. All the capabilities you would expect are built-in—Varotal XX, 10:1 zoom lens, with local or remote servo-driven iris, negative registration, four-step gamma correction, 9-inch viewfinder, built-in filter wheel, R/G/B sequencer and cable corrector.

PERFORMANCE SPECIFICATIONS

Scanning standards:

625 lines, 50 fields, 25 frames

Pick up tube: Three separate-mesh 1-inch Plumbicons

Resolution (luminance signal): 500 lines center, 400 lines in corners before aperture correction

Window signal tilt: Less than 2% horizontal and vertical

Geometric distortion: Less than 1% within a circle having a diameter equal to picture height; less than 2% elsewhere

* TM, NV Philips

On-axis linearity: 1% or better

Registration error: Less than 0.15% within a circle whose diameter is 80% of picture height

Gamma: Adjustable 0.3, 0.5, 0.7, 1.0

Signal-to-noise ratio: 47 dB at 300 nanoA signal current

Output: 1.0 V composite and 0.7 non-composite from the externally mounted encoder

Inputs: 210-250 V AC 50 Hz, 280 watts. V Drive, H Drive, Blanking, Sync, Sub-carrier— from optional broadcast standard sync generator

IVC-301 GENERAL INFORMATION

Built-in viewfinder with 9" diagonal rectangular picture tube

Adjustable white clipper

Adjustable horizontal aperture correction at encoder

Separate 2 line delay vertical aperture equalizer

Tally lights on top of camera and inside viewfinder hood

6 position filter wheel

Horizontal contours from green

Intercom party line with anti-sidetone and gain at each headset

Operation on PAL, SECAM or NTSC standards

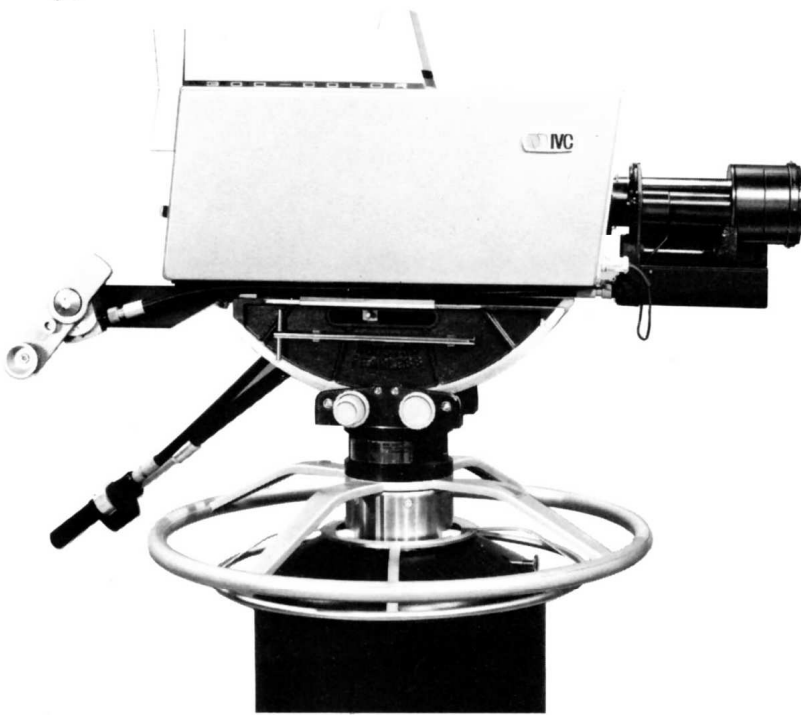
Cable compensation module for cable runs up to 2,000 feet

IVC VIDEO TAPE RECORDERS

In addition to cameras, IVC produces a series of reliable, high performance VTR's. IVC video tape recorders are designed for colour. Obsolescence is eliminated since black and white IVC recorders can be converted to PAL-type colour with a single plug-in processor. Colour programs recorded on monochrome machines may be played back in colour with the addition of the colour processor. (A processor is not required for SECAM-type colour.) Playing time of a 20cm reel containing 700 m of tape is 1 hour, 30% less tape than other VTR's.

The IVC-600 series are first in superb, low cost, one inch colour. Contain built-in speaker and audio amplifier with volume control. Have two audio tracks. Operate on a single standard; colour and monochrome tapes. Video tapes recorded on IVC-600 VTR's are fully interchangeable with other VTR's using the IVC format.

The IVC-800 series provide outstanding features such as: 4-motor servo controlled design that assures fast lock-up and stability, provides fast forward and rewind of a full reel in 90 seconds. Also available with production or postproduction electronic editing of colour or monochrome programmes.



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