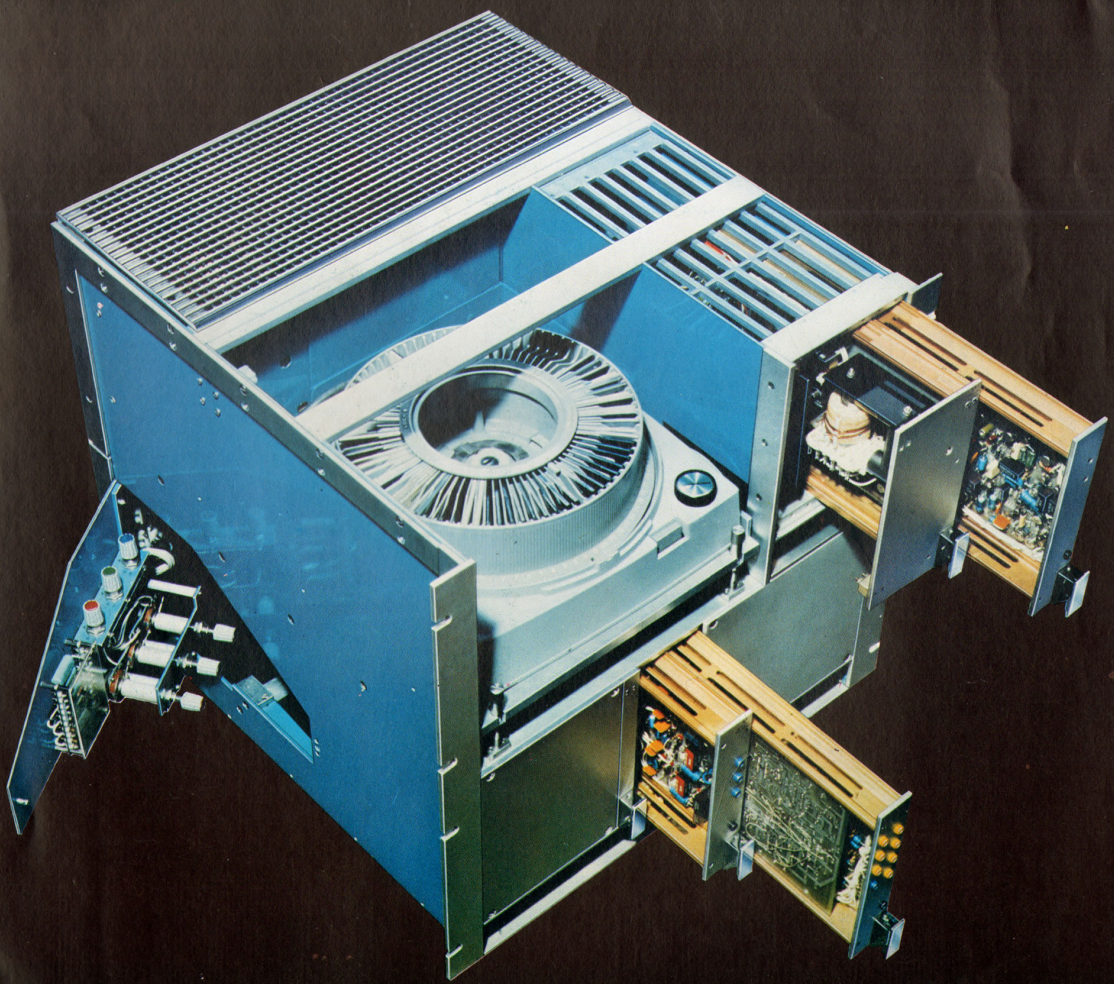
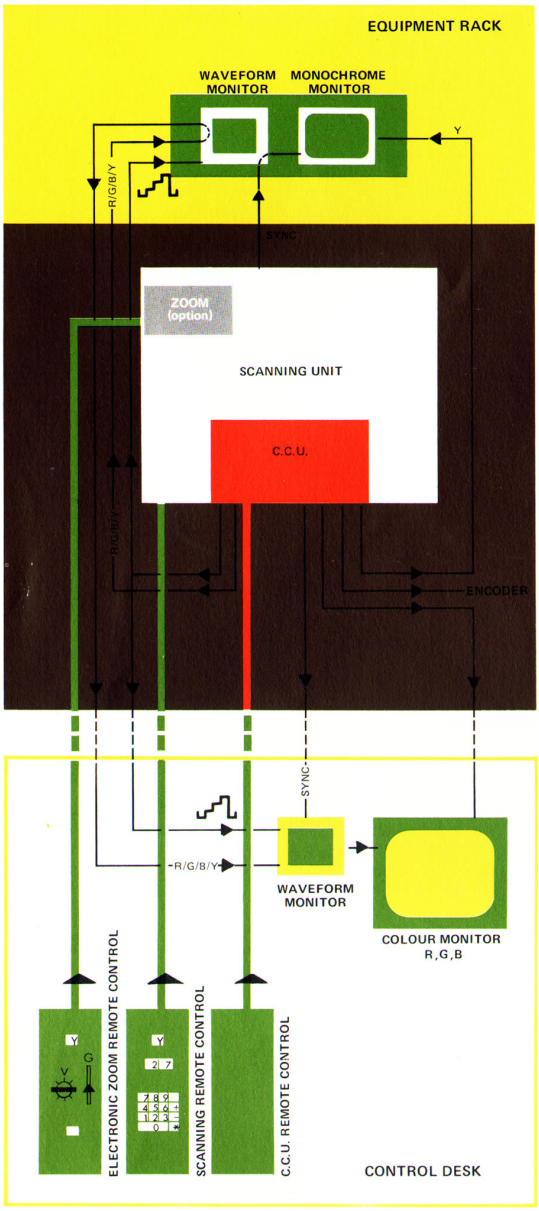
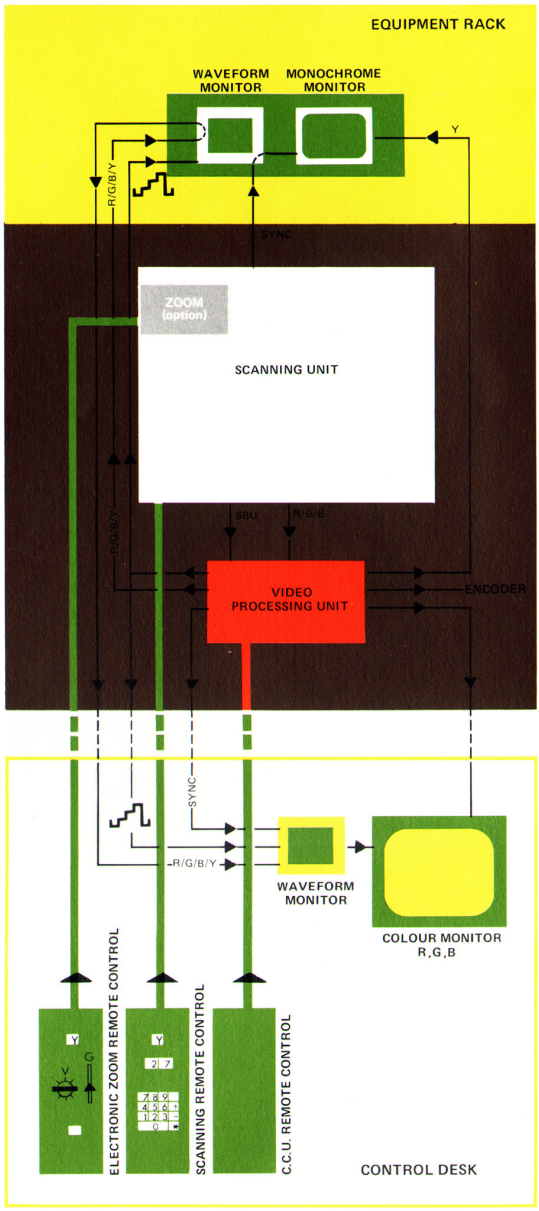
THOMSON-CSF

SLIDE SCANNER





Standard slide scanner, type TTV 2705
with built-in C.C.U.



Slide scanner with separate
video processing unit, type TTV 2800

DATA SUMMARY

• 5" flying-spot C.R.T. with ultra short afterglow • Photomultipliers, dia = 1.5" • Optical beam splitting by dichroic mirrors • Maximum transmission of the three colour light paths: R = 615 nm, G = 535 nm, B = 445 nm • Magnetic focusing • EHT 25 KV, 100 μA • Power supply : single - phase ac mains = 110 , 237 , 220 , 240 V , 50 - 60 Hz • No noticeable performance variations for mains voltage variations within ± 7 % of nominal value • Inputs : provision is made for high impedance bridging inputs - CCIR , OIRT , SBU O "-signal de base unique-" (SBU 2 - option) standards • Outputs : 2 separate outputs for each one the R , G , B components , 0 - 7 V in 75 Ohms - 2 composite or non-composite Y outputs (internal switching) - 2 R , G , B , Y sequential outputs to the waveform monitor - Waveform monitor sync signals (off - centering staircase included) • **SCANNING UNIT** : Video frequency response : 6.5 MHz ± 0.5 dB • Modulation depth at the centre of the picture, at 5 MHz = 100 % with aperture correction • Max. peak white density of slides : 1.3 for the nominal output level • Automatic output level control for a peak white density variation of the slides ranging between 0.3 and 1.3 • Weighted signal to noise ratio : 100 % modulation depth at 5 MHz - gamma law : 1 - density : 1.3 : Red ⩾ 56 dB, Green ⩾ 59 dB, Blue ⩾ 56 dB • **BUILT-IN C.C.U.** : 2 colorimetric corrections per channel (lift and gain) • Fixed masking correction • Fixed gamma law = 0.5 • Sequential display through switching for waveform monitoring purpose • **TTV 2800 VIDEO PROCESSING UNIT :** 3 colorimetric corrections per channel (lift, gamma and gain) • Switchable and adjustable logarithmic masking (3 matrices) • Resolution correction with signal processing • Variable gamma law : from 0.5 to 0.3 • Input and output signal monitoring on waveform monitor.

TTV 2705
COLOUR SLIDE SCANNER

INNOVATIVE DESIGN

- A standard removable magazine of high capacity : **80 slides**
- A high versatile operation :

2 types of mounting : either housed in a separate cabinet or directly mounted in a 19" rack.

2 versions of the single unit :

- standard slide scanner, type TTV 2705 with built-in C.C.U.
- high performance slide scanner using a separate video processing unit, type TTV 2800

4 versions of the dual unit enabling preview of the following signals :

- monochrome
- uncorrected colour
- partially corrected colour through built-in C.C.U.
- fully corrected colour through the TTV 2800 video processing unit.

HIGH RESOLUTION SCANNER

operating on the flying spot principle.

OPERATIONAL FEATURES

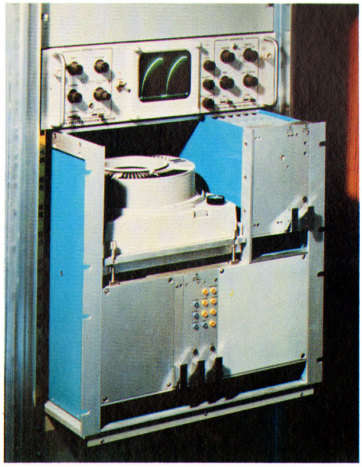
- Slide selection : machine-side operation or from a remote point with a remote control panel comprising :
  - forward or reverse sequential access
  - random access through decimal digital push-button switch bank
  - slide number display (used or previewed)
- Automatic focusing
- Centering and electronic zooming 3 : 1 remote control (option).

EASE OF MAINTENANCE

- Ease of access to essential components
- Modular construction providing ease of adjustments (plug-in units).

COMPACTNESS

Height : 443.5 mm (10 units, 19" rack)
Depth : 520 mm (20·5")
Width : 435 mm (17·1") (separate case)
482.6 mm (19") (rack mounted)



THOMSON-CSF

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