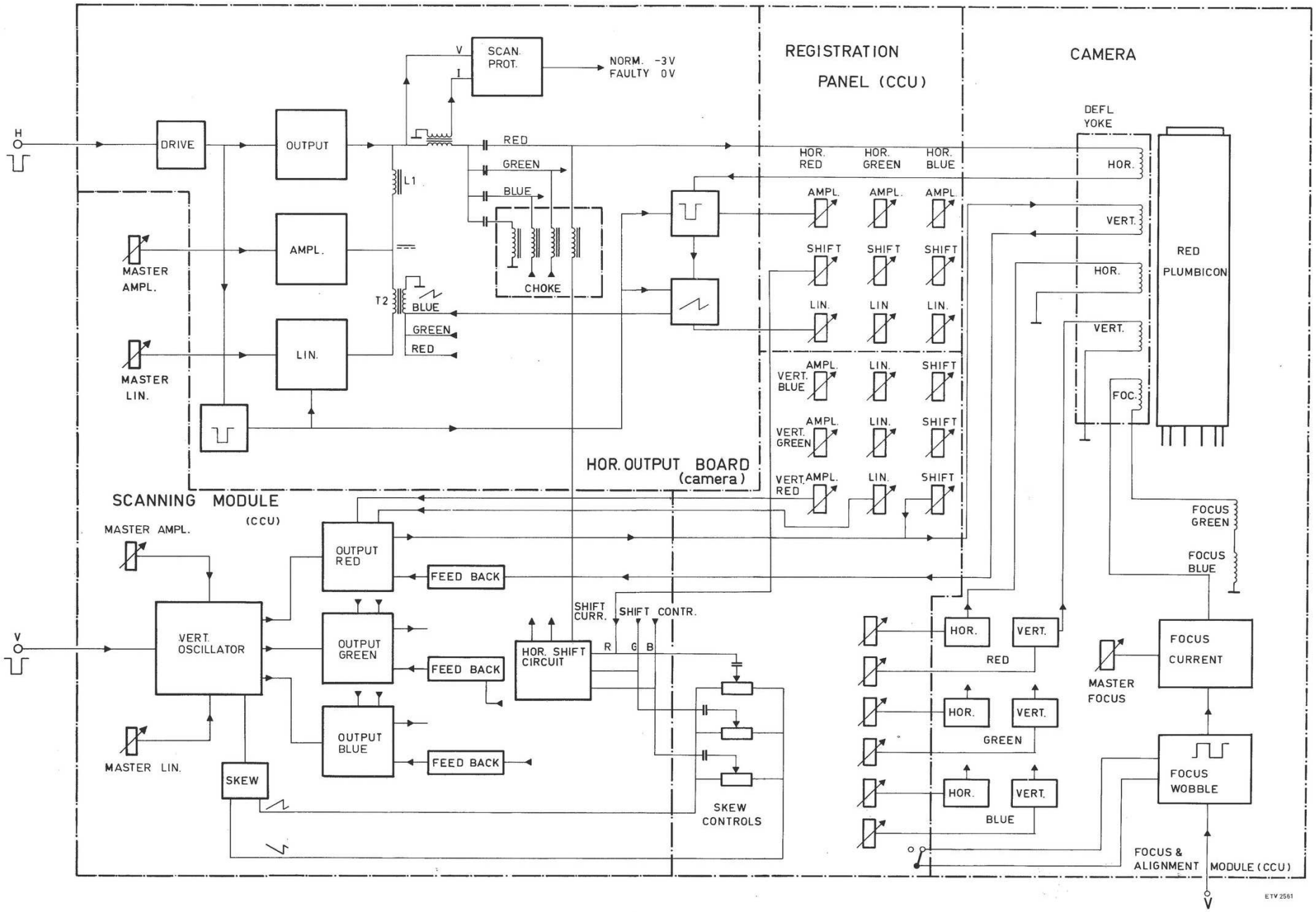
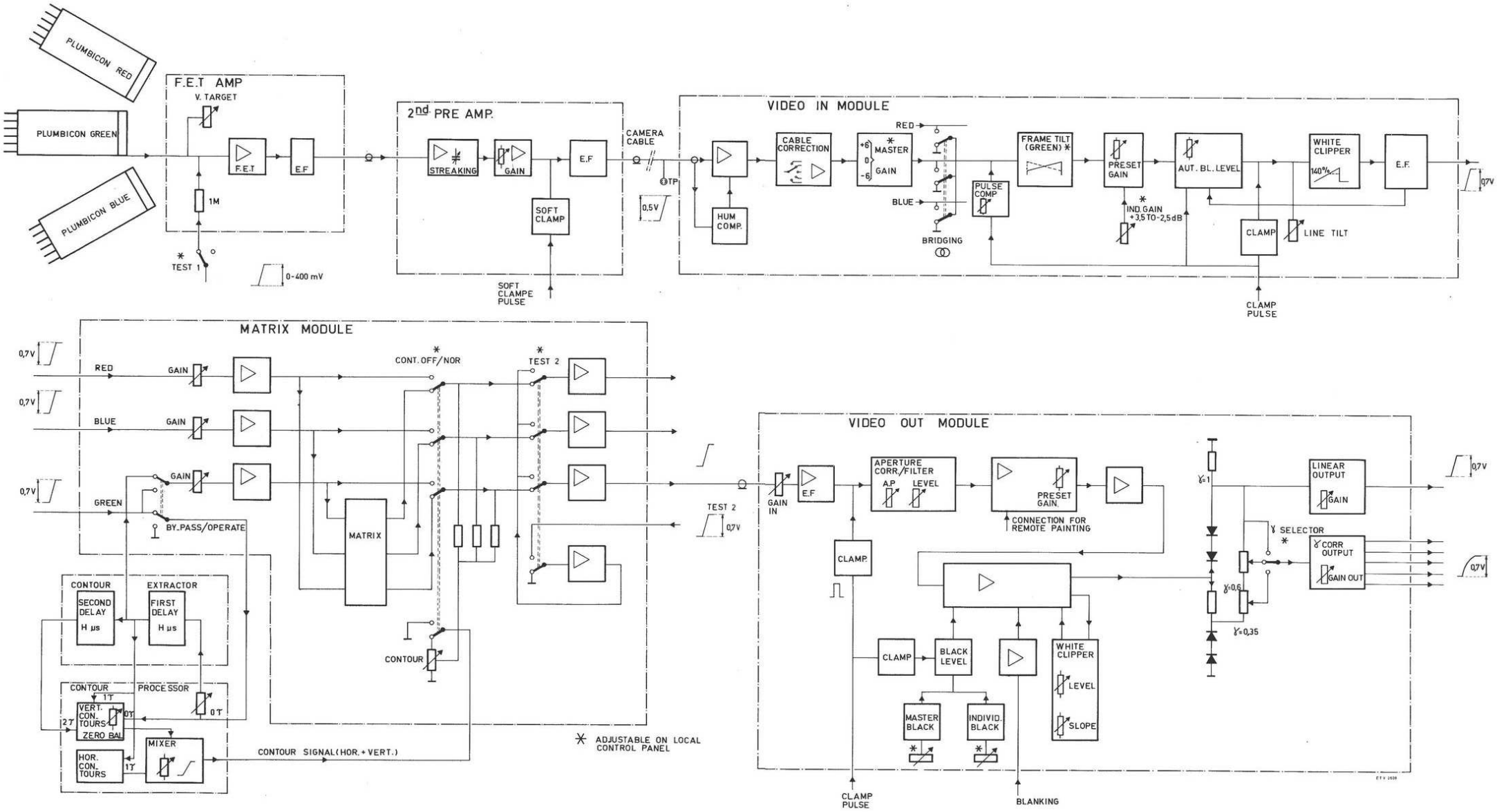
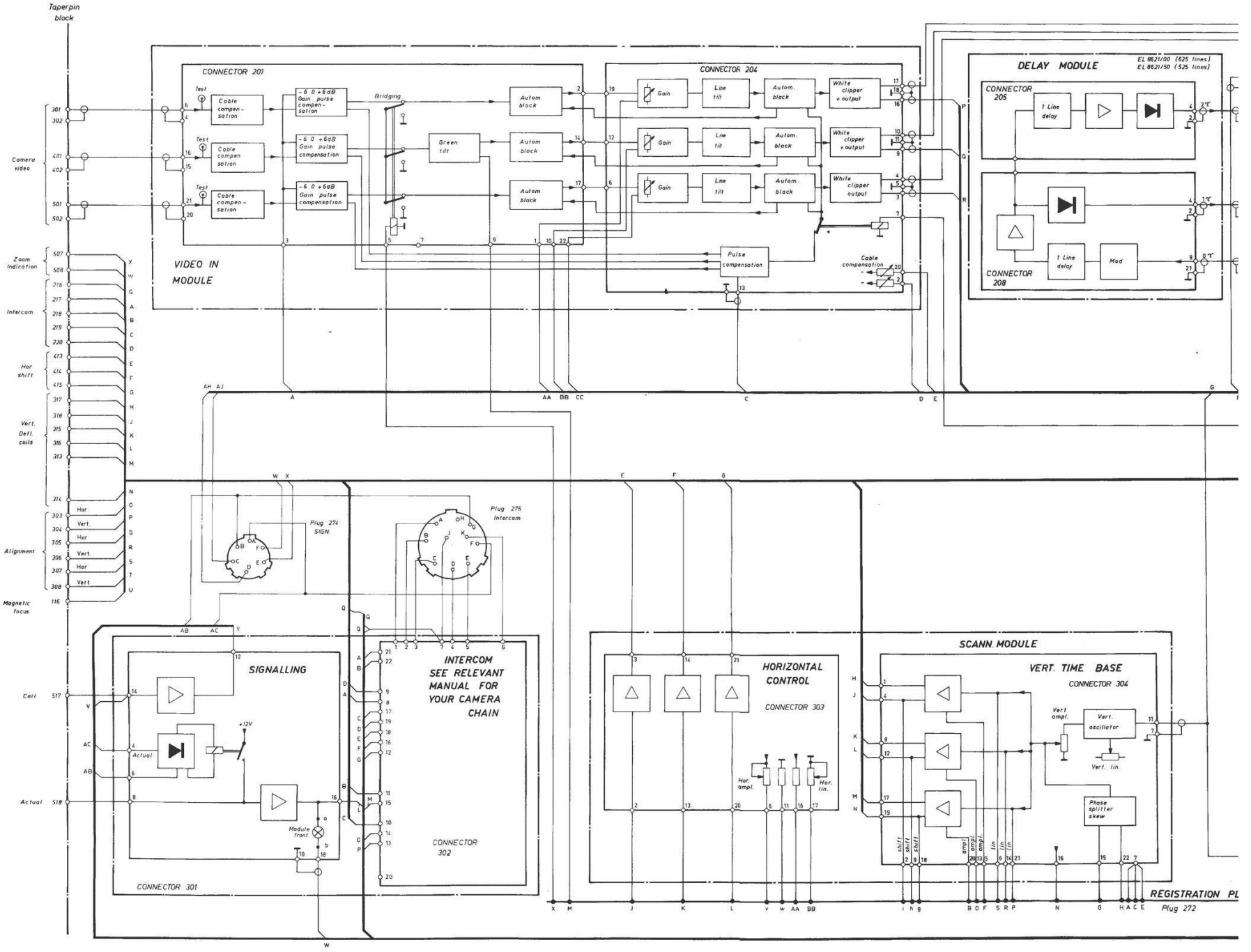
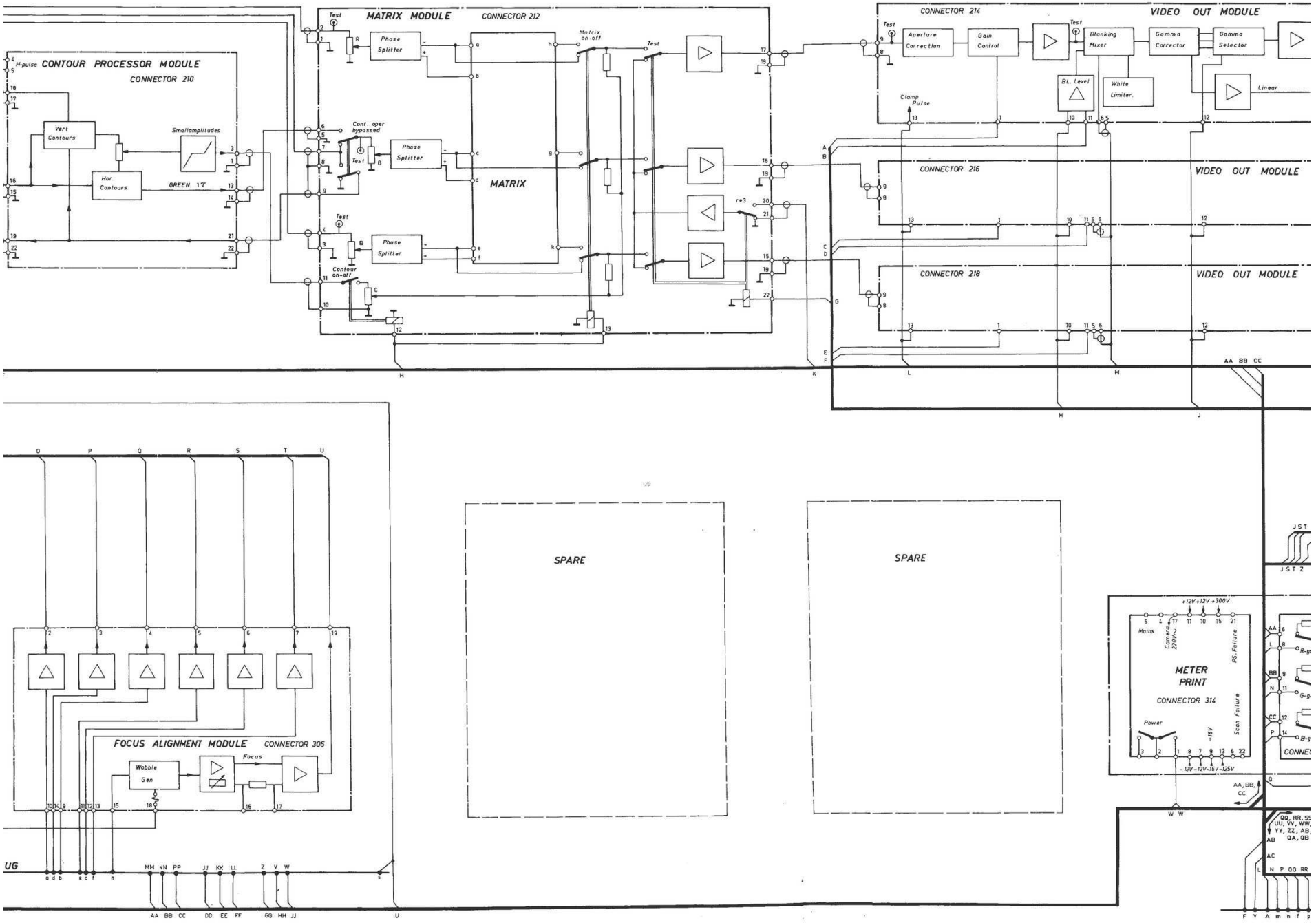
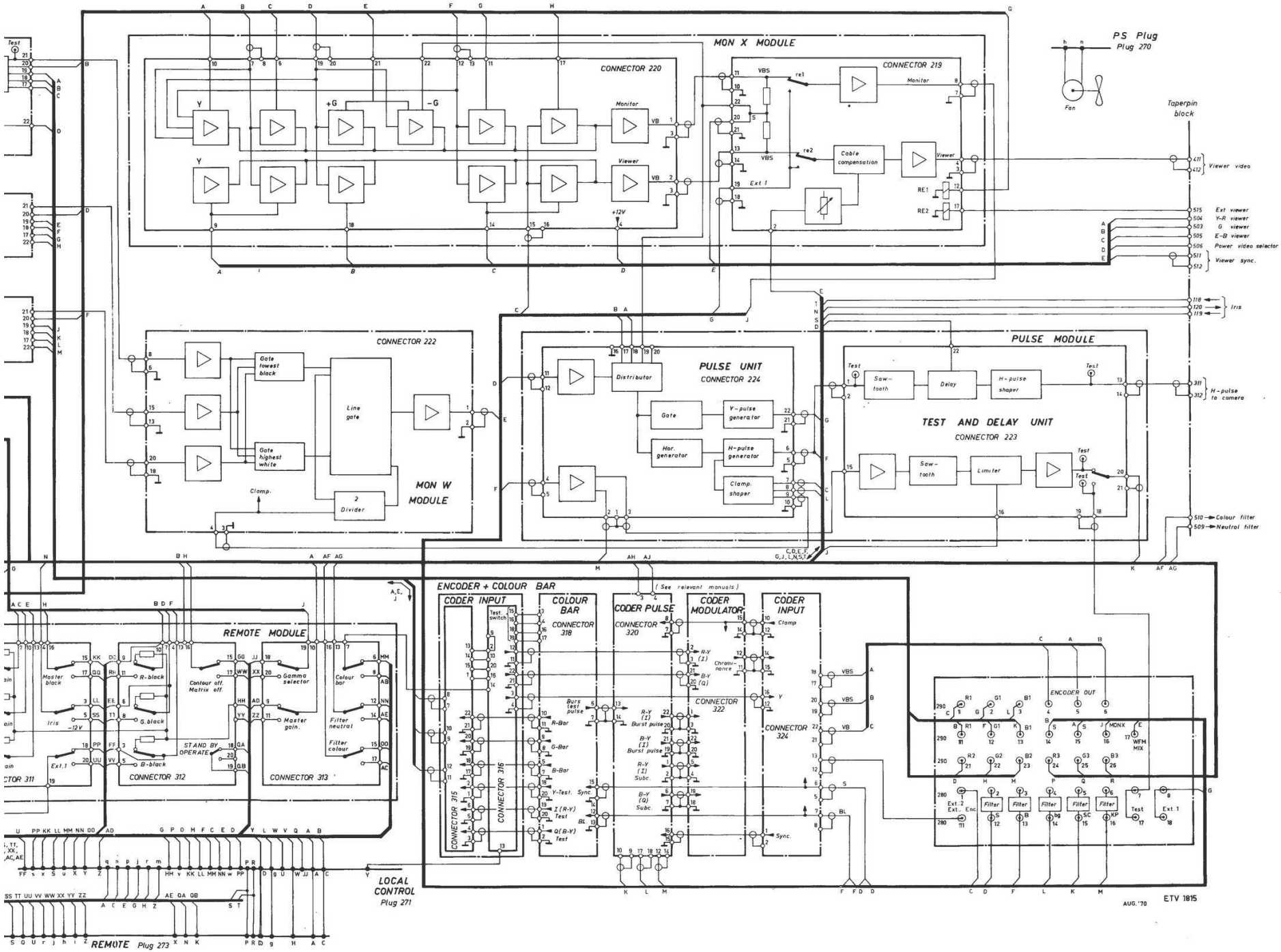

REGISTRATION
PANEL (CCU)
CAMERA
SCAN.
PROT.
V
I
NORM. -3V
FAULTY 0V
H
DRIVE
OUTPUT
RED
GREEN
BLUE
L1
T2
CHOKE
AMPL.
LIN.
MASTER
AMPL.
MASTER
LIN.
HOR.
RED
HOR.
GREEN
HOR.
BLUE
AMPL.
SHIFT
LIN.
VERT.
BLUE
VERT.
GREEN
VERT.
RED
DEFL
YOKE
HOR.
VERT.
FOC.
RED
PLUMBICON
HOR. OUTPUT BOARD
(camera)
SCANNING MODULE
(CCU)
MASTER AMPL.
OUTPUT
RED
OUTPUT
GREEN
OUTPUT
BLUE
FEED BACK
VERT.
OSCILLATOR
V
MASTER LIN.
SKEW
SHIFT
CURR.
SHIFT CONTR.
R
G
B
HOR. SHIFT
CIRCUIT
SKEW
CONTROLS
FOCUS
GREEN
FOCUS
BLUE
FOCUS
CURRENT
MASTER
FOCUS
FOCUS
WOBBLE
FOCUS &
ALIGNMENT
MODULE (CCU)
ETV 2561


PLUMBICON RED
PLUMBICON GREEN
PLUMBICON BLUE
F.E.T AMP
V. TARGET
F.E.T
E.F
1M
TEST 1
0-400 mV
2nd PRE AMP.
STREAKING
GAIN
E.F
SOFT CLAMP
SOFT CLAMPE PULSE
CAMERA CABLE
TP
0,5V
VIDEO IN MODULE
HUM COMP.
CABLE CORRECTION
MASTER GAIN
RED
BLUE
BRIDGING
PULSE COMP
FRAME TILT (GREEN) *
PRESET GAIN
IND. GAIN +3,5 TO -2,5 dB
AUT. BL. LEVEL
CLAMP
LINE TILT
CLAMP PULSE
WHITE CLIPPER
140%
E.F.
0,7V
MATRIX MODULE
0,7V
RED
GAIN
BLUE
GREEN
BY-PASS/OPERATE
CONT. OFF/NOR
TEST 2
MATRIX
CONTOUR
CONTOUR EXTRACTOR
SECOND DELAY H µs
FIRST DELAY H µs
CONTOUR PROCESSOR
VERT. CON. TOURS
ZERO BAL
HOR. CON. TOURS
MIXER
CONTOUR SIGNAL (HOR. + VERT.)
ADJUSTABLE ON LOCAL CONTROL PANEL
VIDEO OUT MODULE
GAIN IN
E.F
APERTURE CORR./FILTER
A.P.
LEVEL
PRESET GAIN.
CONNECTION FOR REMOTE PAINTING
CLAMP
BLACK LEVEL
MASTER BLACK
INDIVID. BLACK
WHITE CLIPPER
LEVEL
SLOPE
CLAMP PULSE
BLANKING
LINEAR OUTPUT
GAIN
SELECTOR
CORR OUTPUT
GAIN OUT
γ=1
γ=0.6
γ=0,35


Taperpin block
CONNECTOR 201
CONNECTOR 204
DELAY MODULE
EL 8621/00 (625 lines)
EL 8621/50 (525 lines)
CONNECTOR 205
CONNECTOR 208
VIDEO IN MODULE
Camera video
Zoom indication
Intercom
Hor shift
Vert. Defl. coils
Alignment
Magnetic focus
Call
Actual
Test
Cable compen-sation
Gain pulse compen-sation
Bridging
Green tilt
Autom black
Gain
Line tilt
White clipper + output
Pulse compensation
Cable compensation
1 Line delay
Mod
Plug 274 SIGN.
Plug 275 Intercom
SIGNALLING
+12V
Actual
Module front
INTERCOM SEE RELEVANT MANUAL FOR YOUR CAMERA CHAIN
CONNECTOR 302
CONNECTOR 301
HORIZONTAL CONTROL
CONNECTOR 303
Hor. ampl.
Hor. lin.
SCANN. MODULE
VERT. TIME BASE
CONNECTOR 304
Vert ampl.
Vert. oscillator
Vert. lin.
Phase splitter skew
REGISTRATION PL
Plug 272


CONTOUR PROCESSOR MODULE
CONNECTOR 210
H-pulse
Vert Contours
Hor. Contours
Smallamplitudes
GREEN 1'T
MATRIX MODULE
CONNECTOR 212
Phase Splitter
Cont. oper bypassed
Contour on-off
Matrix on-off
Test
MATRIX
CONNECTOR 214
VIDEO OUT MODULE
Aperture Correction
Gain Control
Blanking Mixer
Gamma Corrector
Gamma Selector
Linear
BL. Level
White Limiter.
Clamp Pulse
CONNECTOR 216
VIDEO OUT MODULE
CONNECTOR 218
VIDEO OUT MODULE
FOCUS ALIGNMENT MODULE
CONNECTOR 306
Wobble Gen
Focus
SPARE
SPARE
METER PRINT
CONNECTOR 314
Mains
Camera 220V~
PS. Failure
Power
Scan Failure
+12V +12V +300V
-16V
-12V -12V -16V -125V
JST
JST Z


MON X MODULE
CONNECTOR 220
CONNECTOR 219
PS Plug
Plug 270
Fan
Taperpin block
Viewer video
Ext viewer
Y-R viewer
G viewer
E-B viewer
Power video selector
Viewer sync.
Iris
CONNECTOR 222
MON W MODULE
PULSE UNIT
CONNECTOR 224
PULSE MODULE
TEST AND DELAY UNIT
CONNECTOR 223
H-pulse to camera
Colour filter
Neutral filter
ENCODER + COLOUR BAR
CODER INPUT
COLOUR BAR
CONNECTOR 318
CODER PULSE
CONNECTOR 320
CODER MODULATOR
CONNECTOR 322
CODER INPUT
CONNECTOR 324
REMOTE MODULE
CONNECTOR 311
CONNECTOR 312
CONNECTOR 313
CONNECTOR 315
CONNECTOR 316
LOCAL CONTROL
Plug 271
REMOTE Plug 273
ENCODER OUT
ETV 1815
AUG. '70

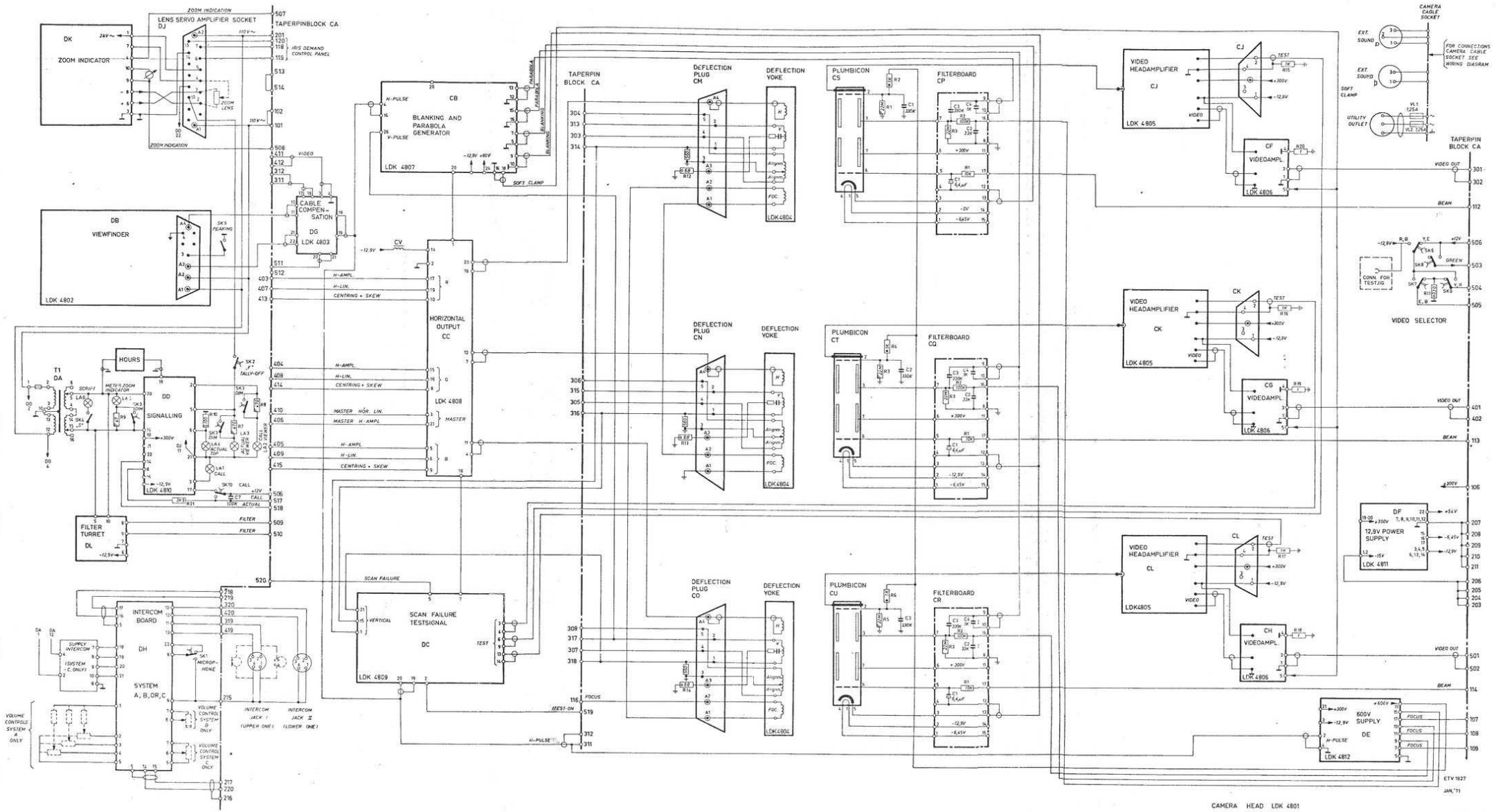
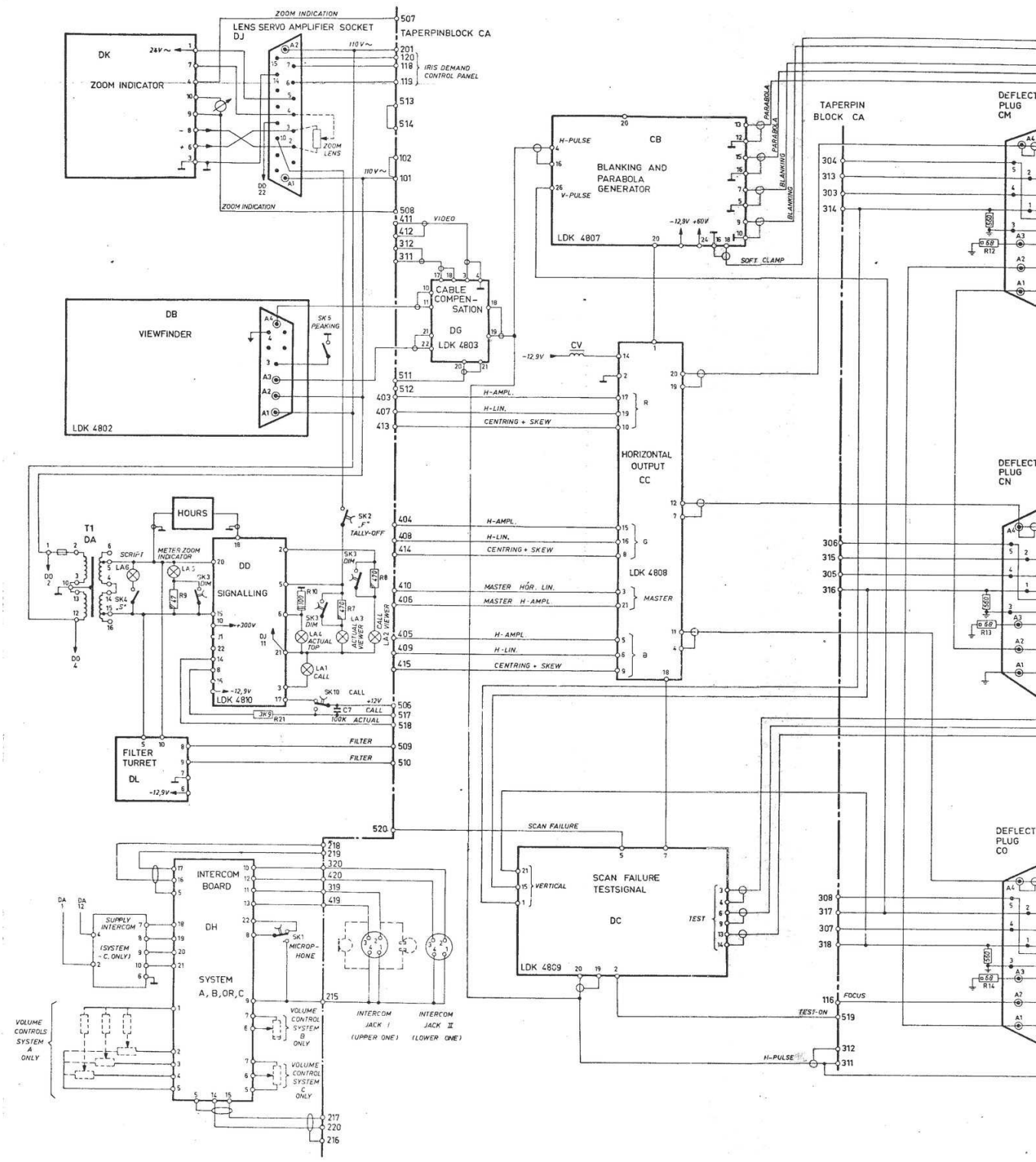

LENS SERVO AMPLIFIER SOCKET DJ
TAPERPINBLOCK CA
ZOOM INDICATION
DK
ZOOM INDICATOR
IRIS DEMAND CONTROL PANEL
DB
VIEWFINDER
LDK 4802
CABLE COMPEN-SATION
DG
LDK 4803
BLANKING AND PARABOLA GENERATOR
CB
LDK 4807
SOFT CLAMP
HORIZONTAL OUTPUT
CC
LDK 4808
MASTER
HOURS
SIGNALLING
DD
LDK 4810
FILTER TURRET
DL
INTERCOM BOARD
DH
SYSTEM A, B, OR C
SCAN FAILURE TESTSIGNAL
DC
LDK 4809
DEFLECTION PLUG CM
DEFLECTION YOKE
LDK4804
PLUMBICON CS
FILTERBOARD CP
DEFLECTION PLUG CN
PLUMBICON CT
FILTERBOARD CQ
DEFLECTION PLUG CO
PLUMBICON CU
FILTERBOARD CR
VIDEO HEADAMPLIFIER CJ
LDK 4805
CF
VIDEOAMPL
LDK 4806
VIDEO HEADAMPLIFIER CK
CG
VIDEO HEADAMPLIFIER CL
CH
DF
12,9V POWER SUPPLY
LDK 4811
DE
600V SUPPLY
LDK 4812
CAMERA CABLE SOCKET
VIDEO SELECTOR
CONN. FOR TESTJIG
CAMERA HEAD LDK 4801
ETV 1827
JAN. '71

Fig. 1


ZOOM INDICATION
LENS SERVO AMPLIFIER SOCKET
DJ
TAPERPINBLOCK CA
507
DK
ZOOM INDICATOR
24V~
110V~
201
120
118
IRIS DEMAND CONTROL PANEL
119
513
514
ZOOM LENS
102
101
DO 22
ZOOM INDICATION
508
411
VIDEO
412
312
311
CABLE COMPEN-SATION
DG
LDK 4803
DB
VIEWFINDER
SK5 PEAKING
LDK 4802
511
512
403
H-AMPL.
407
H-LIN.
413
CENTRING + SKEW
CV
-12,9V
HORIZONTAL OUTPUT
CC
R
G
B
LDK 4808
MASTER
T1
DA
HOURS
SK2 "F" TALLY-OFF
404
408
414
410
406
405
409
415
METER ZOOM INDICATOR
SCRIF-I
SK4 "C"
DD
SIGNALLING
SK3 DIM
SK3 10DIM
LA6
LA5
LA4 ACTUAL TOP
LA3 ACTUAL VIEWER
LA2 CALL VIEWER
LA1 CALL
+300V
-12,9V
LDK 4810
SK10 CALL
+12V
C7 CALL
100K ACTUAL
506
517
518
FILTER TURRET
DL
FILTER
509
510
520
SCAN FAILURE
SCAN FAILURE TESTSIGNAL
DC
LDK 4809
VERTICAL
TEST
INTERCOM BOARD
DH
SUPPLY INTERCOM
(SYSTEM - C. ONLY)
SYSTEM A, B, OR, C
SK1 MICROP-HONE
218
219
320
420
319
419
215
VOLUME CONTROL SYSTEM B ONLY
VOLUME CONTROL SYSTEM C ONLY
VOLUME CONTROLS SYSTEM A ONLY
INTERCOM JACK I (UPPER ONE)
INTERCOM JACK II (LOWER ONE)
217
220
216
CB
BLANKING AND PARABOLA GENERATOR
LDK 4807
H-PULSE
V-PULSE
PARABOLA
BLANKING
-12,9V +60V
SOFT CLAMP
TAPERPIN BLOCK CA
304
313
303
314
DEFLECT PLUG CM
306
315
305
316
DEFLECT PLUG CN
308
317
307
318
DEFLECT PLUG CO
116
FOCUS
TEST-ON
519
312
311
H-PULSE

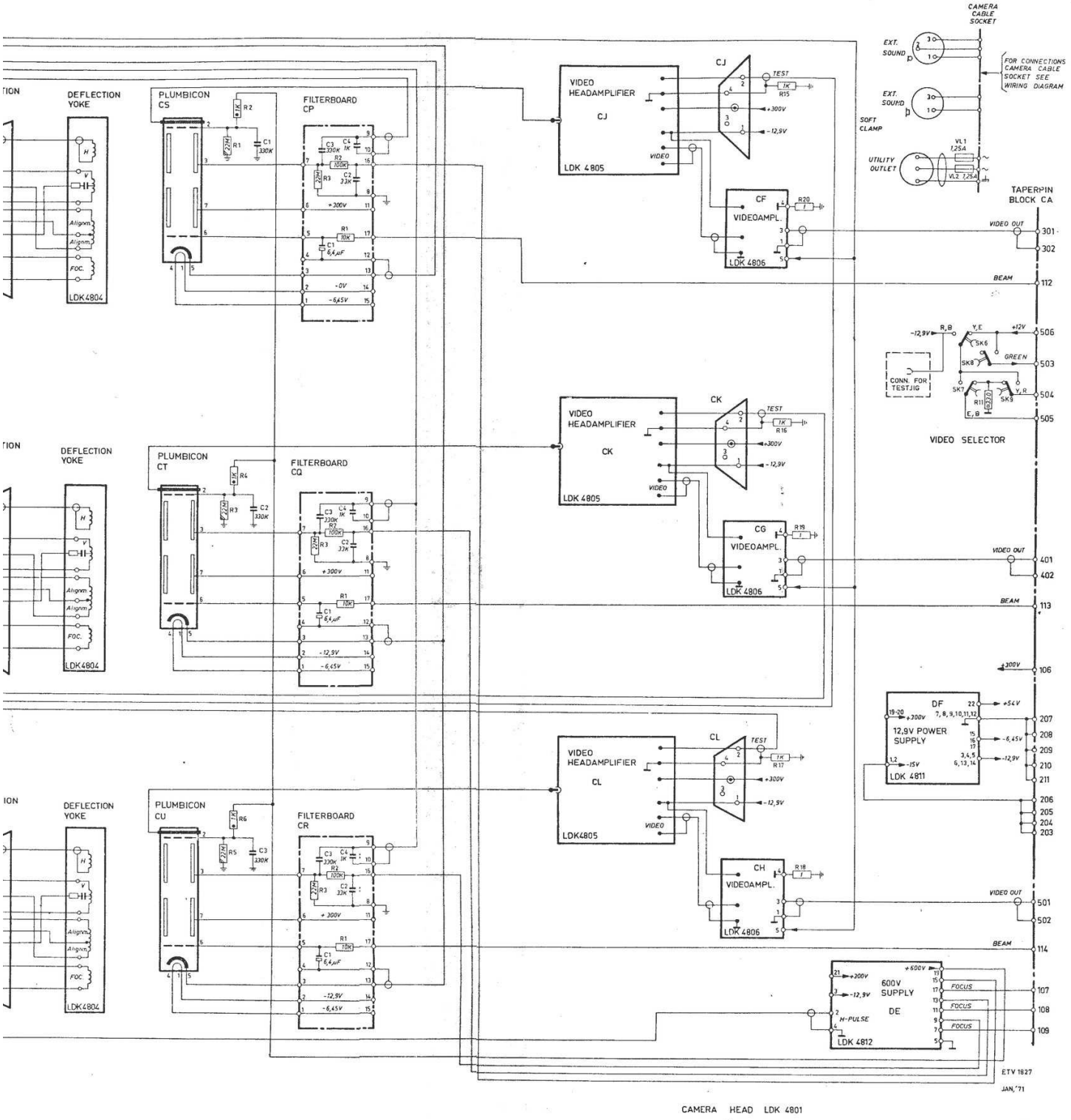
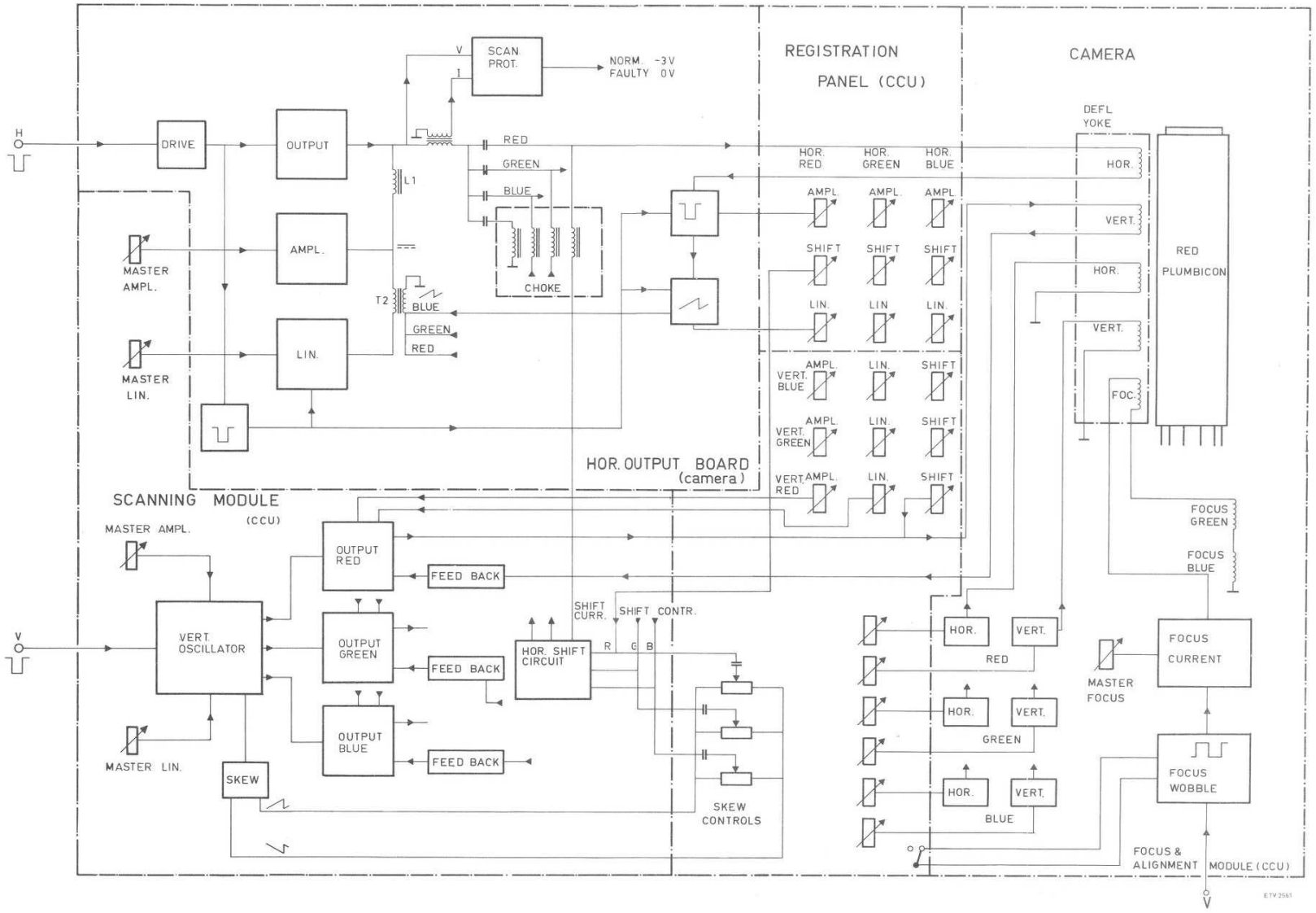
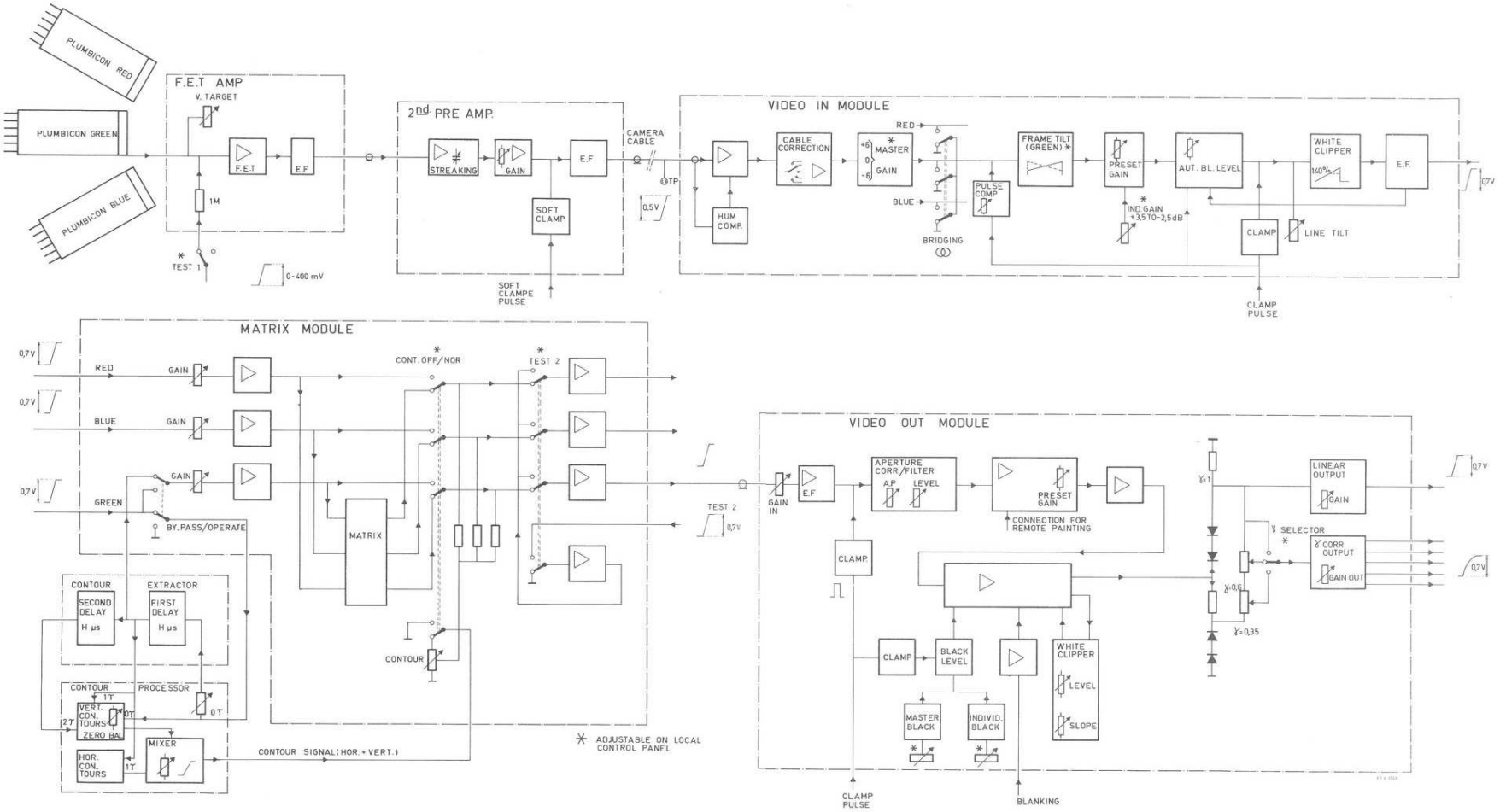
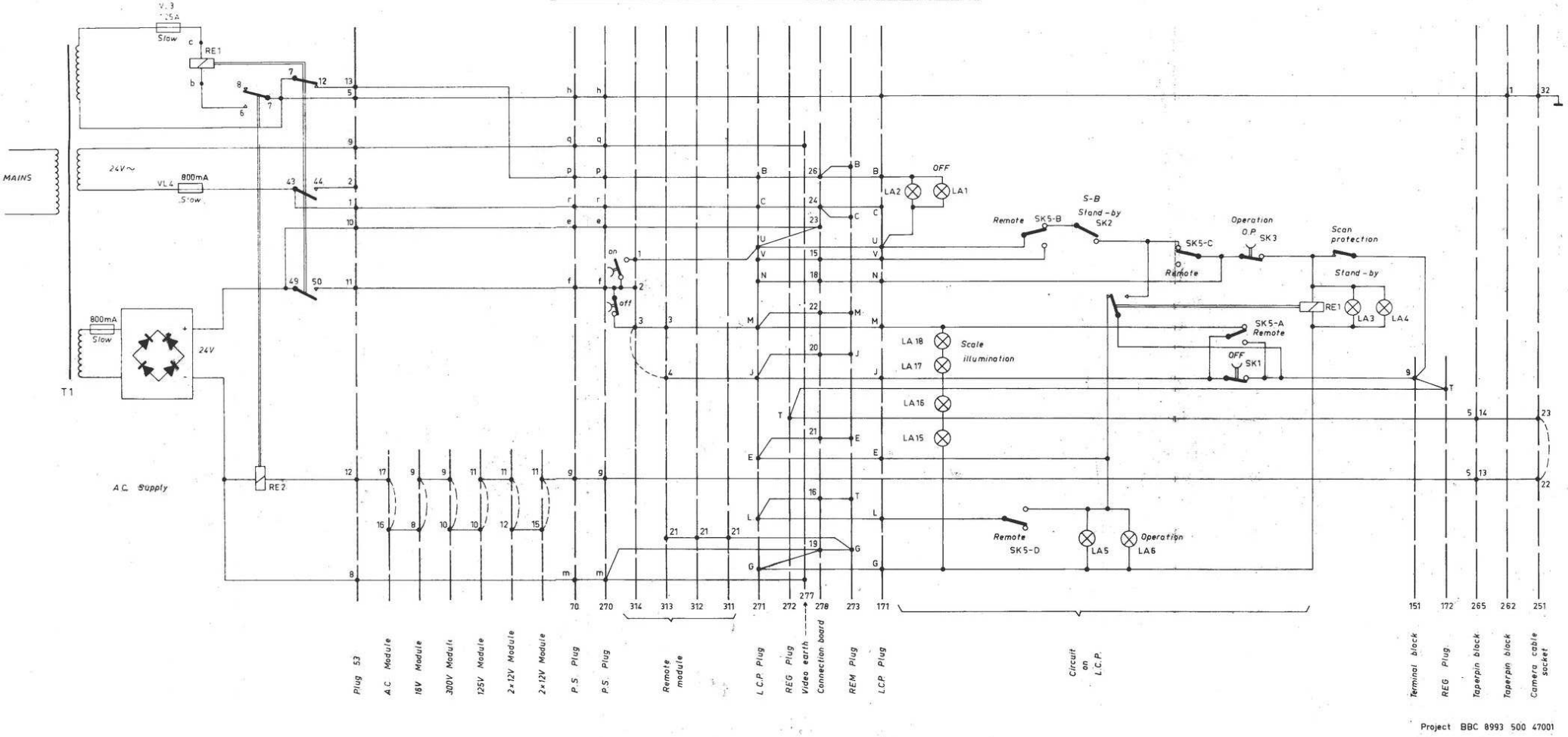

DEFLECTION YOKE
LDK4804
PLUMBICON CS
FILTERBOARD CP
PLUMBICON CT
FILTERBOARD CQ
PLUMBICON CU
FILTERBOARD CR
VIDEO HEADAMPLIFIER CJ
LDK 4805
VIDEO HEADAMPLIFIER CK
LDK 4805
VIDEO HEADAMPLIFIER CL
LDK4805
CJ
CK
CL
CF
CG
CH
VIDEOAMPL.
LDK 4806
CAMERA CABLE SOCKET
EXT. SOUND
FOR CONNECTIONS CAMERA CABLE SOCKET SEE WIRING DIAGRAM
SOFT CLAMP
UTILITY OUTLET
TAPERPIN BLOCK CA
VIDEO OUT
BEAM
CONN. FOR TESTJIG
VIDEO SELECTOR
12,9V POWER SUPPLY
LDK 4811
600V SUPPLY DE
LDK 4812
H-PULSE
FOCUS
ETV 1827
JAN.'71
CAMERA HEAD LDK 4801

Fig. 1


REGISTRATION
PANEL (CCU)
CAMERA
SCAN. PROT.
NORM. -3V
FAULTY 0V
DRIVE
OUTPUT
AMPL.
LIN.
MASTER AMPL.
MASTER LIN.
RED
GREEN
BLUE
L1
T2
CHOKE
HOR. OUTPUT BOARD (camera)
DEFL YOKE
HOR.
VERT.
RED PLUMBICON
FOC.
HOR. RED
HOR. GREEN
HOR. BLUE
AMPL.
SHIFT
LIN.
VERT. BLUE
VERT. GREEN
VERT. RED
SCANNING MODULE (CCU)
OUTPUT RED
OUTPUT GREEN
OUTPUT BLUE
FEED BACK
VERT. OSCILLATOR
SKEW
SHIFT CURR.
SHIFT CONTR.
HOR. SHIFT CIRCUIT
R G B
SKEW CONTROLS
FOCUS GREEN
FOCUS BLUE
FOCUS CURRENT
MASTER FOCUS
FOCUS WOBBLE
FOCUS & ALIGNMENT MODULE (CCU)
H
V
ETV 2561


PLUMBICON RED
PLUMBICON GREEN
PLUMBICON BLUE
F.E.T AMP
V. TARGET
F.E.T
E.F
1M
TEST 1
0-400 mV
2nd PRE AMP.
STREAKING
GAIN
E.F
SOFT CLAMP
SOFT CLAMPE PULSE
CAMERA CABLE
0.5V
HUM COMP.
VIDEO IN MODULE
CABLE CORRECTION
MASTER GAIN
RED
BLUE
BRIDGING
PULSE COMP.
FRAME TILT (GREEN)
PRESET GAIN
IND. GAIN +3.5 TO -2.5dB
AUT. BL. LEVEL
CLAMP
LINE TILT
WHITE CLIPPER
140%
E.F
0,7V
CLAMP PULSE
MATRIX MODULE
0,7V
RED
GAIN
BLUE
GREEN
BY-PASS/OPERATE
CONT. OFF/NOR
TEST 2
MATRIX
CONTOUR
CONTOUR
EXTRACTOR
SECOND DELAY H µs
FIRST DELAY H µs
CONTOUR
PROCESSOR
VERT. CON. TOURS
ZERO BAL
HOR. CON. TOURS
MIXER
CONTOUR SIGNAL (HOR. + VERT.)
ADJUSTABLE ON LOCAL CONTROL PANEL
VIDEO OUT MODULE
GAIN IN
E.F
APERTURE CORR./FILTER
A.P
LEVEL
PRESET GAIN
CONNECTION FOR REMOTE PAINTING
CLAMP
BLACK LEVEL
WHITE CLIPPER
LEVEL
SLOPE
MASTER BLACK
INDIVID. BLACK
CLAMP PULSE
BLANKING
γ=1
γ=0,6
γ=0,35
γ SELECTOR
LINEAR OUTPUT
GAIN
γ CORR OUTPUT
GAIN OUT
0,7V

DETAIL CIRCUIT FOR SWITCHING OFF, STAND BY AND OPERATION



ETV 1909 15-1-'69

Project BBC 8993 500 47001