VIDEO MAIN SIGNAL PATH IN REC MODE

VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE

JK3201 (REAR JACK)

VIDEO OUT 8

VIDEO IN 4

TL3002

Q3202 AMP

TL3003

TO/FROM TUNER

RFC VIDEO OUT

TUNER VIDEO

JK4951 (FRONT JACK)

VIDEO IN 7

P4951 5 | P3301 1

IC3001 (AUDIO/VIDEO SIGNAL PROCESSOR)

15 ATT -6dB / ATT -4dB

17 ATT -10dB

19 ATT -10dB

VIDEO AGC

SVHS

SVHS

HPF

ATP

FEED BACK CLAMP

VIDEO ALC

2MHz LPF

ACC

CLEAR SYNC

EXT

INT

(FIXED TO INT IN THES MODELS BY PIN53)

23

26 GCL

Y-LPF

SECAM DELAY +SSEQ

SVHS+L SECAM

SVHS+L SECAM

NON-LINEAR DE-EMPHASIS

33

SQPB

SQPB EQ

SQPB

35 GCL

R(SVHS)

R(SVHS)

DO/REC

37 GCL

DO

Y-NOISE REDUCTION

HP-NC TRAP-NC

PHASE COMPARATOR

38 LPF

DEH

NON-LINEAR EMPHASIS

40

49 Y-CCD DELAY

51

ET LPF

36

L3001, C3007

12 PEAKING FILTER

MAIN DE-EMPHASIS

REC FBC+ALC PB AGC+APL

9

MAIN EMPHASIS CARRIER OFFSET W.C/D.C

fo/DEVIATION ADJUSTMENT

FM MODULATION

REC FILTER

8

SUB LPF

DEMO

DLIM

G-EQ

X3001

67

X'TAL VCO OSCILLATOR

X3002

69

71

2FSC

65

C CLOCK DRIVER

TO C CCD

53

SQPB

SQPB

SQPB DL

P-EQ

FM AGC

629MHz TRAP

R

P

INT

EXT

EXTERNAL PB LUMINANCE SIGNAL INPUT LINE (NOT USED IN THESE MODELS)

TO SYSTEM CONTROL

S-VHS PB 14

20

S-VHS DET

APC SW

PB APC

KILLER

REC APC

ACC SW

ACC DET

CHROMA ACC DET

SQUELCH

NTSC/PAL CONVERTER

COLOUR KILLER

EXT

INT

6dB AMP

C-SQUELCH

V-AMP

29

Q3001 BUFFER

IC6001

32 OSD SIGNAL PROCESS 59 50

Q7701 BUFFER BPF L7702, C7714

(B/C/D/E)

MAIN CONV 2

MAIN CONV 1

C LPF2

VCA

57

C CCD

56

CCD LPF

46

45

PILOT ADD

BPF

B.D

PILOT ERASE

4.43PAL → MPAL CONV DELAY

C LPF1

B.E

MIX LEVEL ADJUST

L SECAM

L SECAM

CHROMA ACC

C-ACC:ON

THROUGH

COLOUR KILLER

fh HPF CTL TRAP

REC TRAP/ Hi-Fi TRAP

C-DELAY

NO FREC TRAP

FREC TRAP

L SECAM

L SECAM

LPF

REC MUTE

VCA

SP

SP

SP2

SP2

CH2

CH1

SP1

SP1

SP2

SP2

CH2

CH1

SP1

SP1

35

36

37

39

50

51

SP L

SP COM

SP R

LP/EP L

LP/EP COM

LP/EP R

P5001 6 / P5001 5 / P5001 4

TO/FROM DD CYLINDER VIDEO HEAD

P5001 3 / P5001 2 / P5001 1

TO/FROM DD CYLINDER VIDEO HEAD

NV-HV61GN/EE/GCU/GH/GHT/PX
LUMINANCE & CHROMINANCE BLOCK DIAGRAM