Filename[FILIPAK.OMNI]DEMO1.LST

FIRST OMNI PROMOTIONAL DEMO

OBJECTIVES:

1, DEMONSTRATE THAT A VIDEO SIGNAL CAN BE BROKEN UP INTO THE FOLLOWING 3 SIGNALS:

A, LOW FREQUENCY LUMINANCE [0 to 1MHz],
B, HIGH FREQUENCY LUMINANCE (1MHz to 3MHz] and,
C, CHROMINANCE (3.58MHz).

2, DEMONSTRATE THAT THESE 3 SIGNALS CAN BE COMBINED AS FOLLOWS:

A, COLOR = LOW FREQUENCY LUMINANCE + CHROMINANCE and,
B, INTENSITY = HIGH FREQUENCY LUMINANCE.

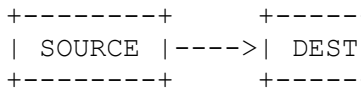
3, SHOW BY EXAMPLE THAT THE USE OF SEPARATE BIT MAPS FOR COLOR AND
INTENSITY RESULT IN A DATA SAVINGS OVER AN ORDINARY BIT MAP.

EQUIPMENT:

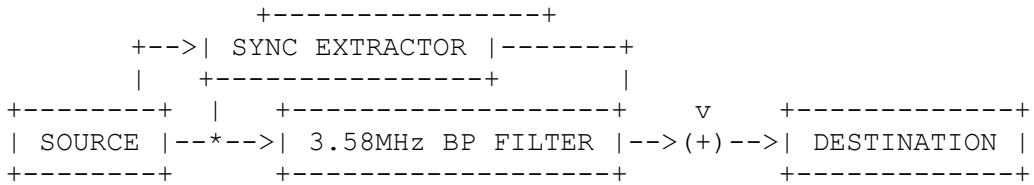
2 -- video tape recorders with freeze frame
1 -- Warner owned feature movie cassette (Superman II ?)
1 -- Warner owned animated feature or short cassette
1 -- Sync extractor
1 -- Three input video adder
1 -- 1MHz third order low pass filter
1 -- 3MHz third order low pass filter
1 -- 1MHz third order high pass filter
1 -- 3.58MHz third order band pass filter

SET-UPS:

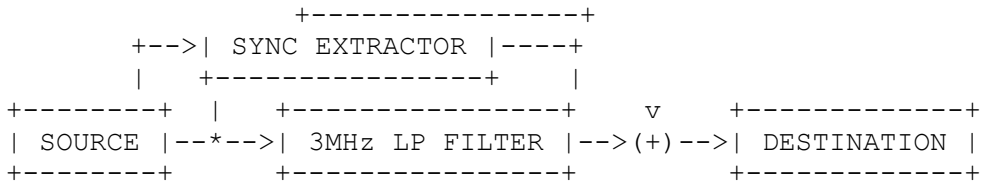
STRAIGHT-THRU:



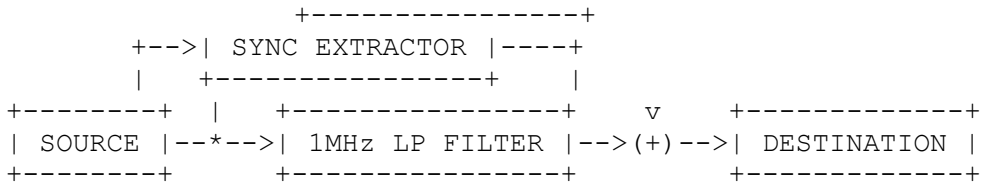
CHROMINANCE EXTRACTION:



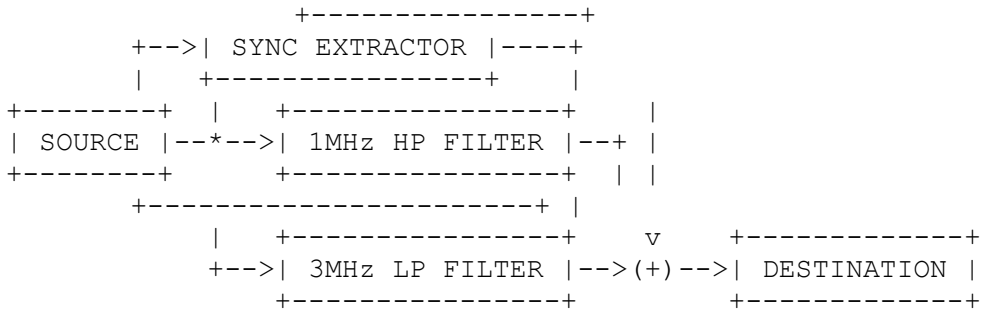
LUMINANCE EXTRACTION:



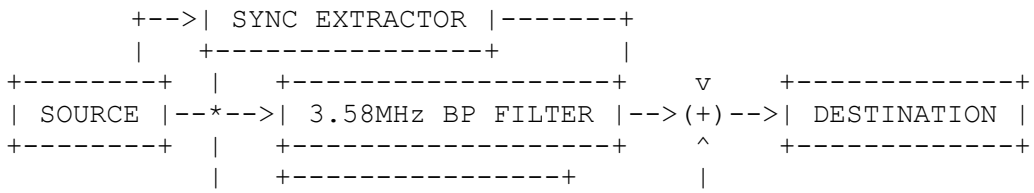
LOW FREQUENCY EXTRACTION:

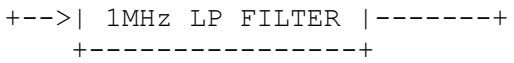


INTENSITY EXTRACTION:



COLOR EXTRACTION:





PROCEEDURE:

1, Movie sequence to source
2, Record 30 seconds to destination using STRAIGHT-THRU
3, Record 30 seconds using CHROMINANCE EXTRACTION
4, Record 30 seconds using LUMINANCE EXTRACTION
5, Record 30 seconds using INTENSITY EXTRACTION
6, Record 30 seconds using LOW FREQUENCY EXTRACTION
7, Record 30 seconds using COLOR EXTRACTION
8, Record 30 seconds using INTENSITY EXTRACTION
9, Record 30 seconds using STRAIGHT-THRU

10, Animation sequence to source
11, Record 30 seconds using COLOR EXTRACTION
12, Record 30 seconds using INTENSITY EXTRACTION
13, Record 30 seconds using STRAIGHT-THRU

14, Animation frame to source
15, Record 10 seconds using COLOR EXTRACTION
16, Record 10 seconds using INTENSITY EXTRACTION
17, Record 10 seconds using STRAIGHT-THRU

18, Movie frame to source
19, Record 10 seconds using COLOR EXTRACTION
20, Record 10 seconds using INTENSITY EXTRACTION
21, Record 10 seconds using STRAIGHT-THRU