

The block diagram illustrates the architecture of a 42" 60" VSC (Video Signal Controller) system. It features a central IC 501 (SAGE SCALER 350P/H) which receives inputs from IC 502 (K45643232C 18M/B) and IC 503 (K45643232C 18M/B). The scaler outputs RGB signals to IC 404 (FLI 2220 ENHANCER 160P/H) and IC 403 (FLI 2200 DEINTERLACE 175P/H). The system also includes a color control and video switch IC 203 (CXA21010) which manages the video signal path. A color decoder IC 201 (NP32300) processes the video signal, and a color control IC 104 (74LS123) manages the timing. The system is powered by a 14.3181MHz oscillator (X401) and a 20.25MHz oscillator (X201). A 18.432MHz oscillator (X601) is used for the audio section. The audio path includes an audio amp IC 401 (LA4282) and a 2S15P/H 0.5uF capacitor. The system also includes a 74LS123 (IC 104) and a 74LS123 (IC 102) for timing control. The output is displayed on a 42" 60" monitor. The diagram shows a complex interconnection of various ICs, including a 74LS123 (IC 104), a 74LS123 (IC 102), a 74LS123 (IC 101), a 74LS123 (IC 100), a 74LS123 (IC 99), a 74LS123 (IC 98), a 74LS123 (IC 97), a 74LS123 (IC 96), a 74LS123 (IC 95), a 74LS123 (IC 94), a 74LS123 (IC 93), a 74LS123 (IC 92), a 74LS123 (IC 91), a 74LS123 (IC 90), a 74LS123 (IC 89), a 74LS123 (IC 88), a 74LS123 (IC 87), a 74LS123 (IC 86), a 74LS123 (IC 85), a 74LS123 (IC 84), a 74LS123 (IC 83), a 74LS123 (IC 82), a 74LS123 (IC 81), a 74LS123 (IC 80), a 74LS123 (IC 79), a 74LS123 (IC 78), a 74LS123 (IC 77), a 74LS123 (IC 76), a 74LS123 (IC 75), a 74LS123 (IC 74), a 74LS123 (IC 73), a 74LS123 (IC 72), a 74LS123 (IC 71), a 74LS123 (IC 70), a 74LS123 (IC 69), a 74LS123 (IC 68), a 74LS123 (IC 67), a 74LS123 (IC 66), a 74LS123 (IC 65), a 74LS123 (IC 64), a 74LS123 (IC 63), a 74LS123 (IC 62), a 74LS123 (IC 61), a 74LS123 (IC 60), a 74LS123 (IC 59), a 74LS123 (IC 58), a 74LS123 (IC 57), a 74LS123 (IC 56), a 74LS123 (IC 55), a 74LS123 (IC 54), a 74LS123 (IC 53), a 74LS123 (IC 52), a 74LS123 (IC 51), a 74LS123 (IC 50), a 74LS123 (IC 49), a 74LS123 (IC 48), a 74LS123 (IC 47), a 74LS123 (IC 46), a 74LS123 (IC 45), a 74LS123 (IC 44), a 74LS123 (IC 43), a 74LS123 (IC 42), a 74LS123 (IC 41), a 74LS123 (IC 40), a 74LS123 (IC 39), a 74LS123 (IC 38), a 74LS123 (IC 37), a 74LS123 (IC 36), a 74LS123 (IC 35), a 74LS123 (IC 34), a 74LS123 (IC 33), a 74LS123 (IC 32), a 74LS123 (IC 31), a 74LS123 (IC 30), a 74LS123 (IC 29), a 74LS123 (IC 28), a 74LS123 (IC 27), a 74LS123 (IC 26), a 74LS123 (IC 25), a 74LS123 (IC 24), a 74LS123 (IC 23), a 74LS123 (IC 22), a 74LS123 (IC 21), a 74LS123 (IC 20), a 74LS123 (IC 19), a 74LS123 (IC 18), a 74LS123 (IC 17), a 74LS123 (IC 16), a 74LS123 (IC 15), a 74LS123 (IC 14), a 74LS123 (IC 13), a 74LS123 (IC 12), a 74LS123 (IC 11), a 74LS123 (IC 10), a 74LS123 (IC 9), a 74LS123 (IC 8), a 74LS123 (IC 7), a 74LS123 (IC 6), a 74LS123 (IC 5), a 74LS123 (IC 4), a 74LS123 (IC 3), a 74LS123 (IC 2), a 74LS123 (IC 1).