

MS9288C



MS9288C is a low-cost, low-power, high performance device, which consists of HD Transmitter, three 10-bit video Analog-to-Digital Converters and audio encoder, which can convert VGA signal to HD, maximum conversion rate of 105MHz. MS9288C supports L/R audio input. MS9288C with embedded MCU and ROM code.

Features

Triple 10-bit ADC	Black/White level expansion
Maximum analog sampling rate up to 105MHz	Color transition improvement
Support analog input range 0.45 ~ 1.1 (P-P)	Dynamic peaking
Auto offset/phase adjustment	Brightness, Saturation, Contrast, Hue adjustment
Double channel 24-bit ADC	Support PC slow interface
Sample rate is 40KHz	PC master interface for DDC control
The operating speed is 105MHz	Support external crystal at 24.576MHz
Support 24-bit color depth, input and output resolution up to 1080P@60Hz	QFM48 (Iron = Green)
Support Hot Plug	1.5V and 1.2V power supply

Function Block Diagram

