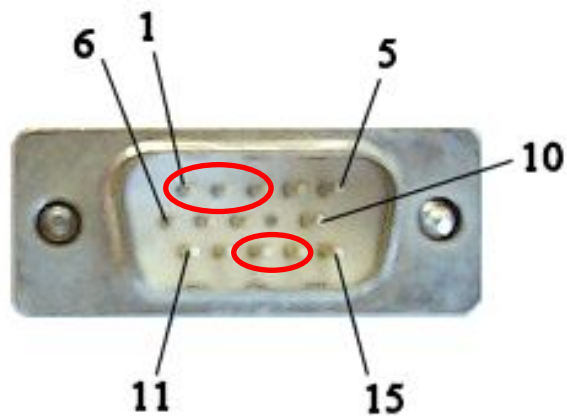




Le porte video VGA e DVI

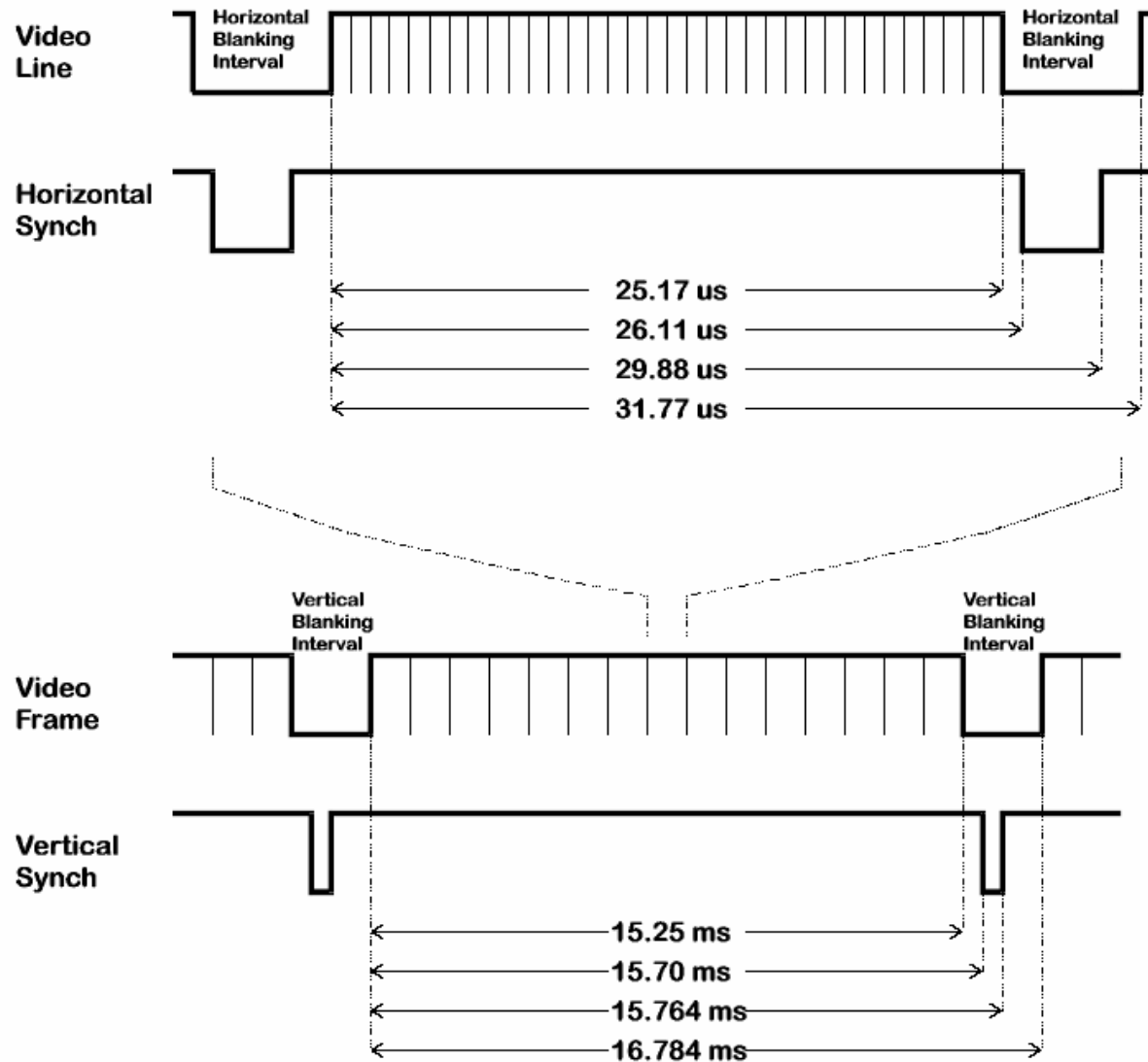
Massimiliano Pieraccini

Segnale analogico



Pin #	Signal Name
1	Red
2	Green
3	Blue
4	No Connect
5	Ground
6	Ground
7	Ground
8	Ground
9	No Connect
10	Ground
11	No Connect
12	DDC DAT
13	Horizontal Synchronization
14	Vertical Synchronization
15	DDC Clock

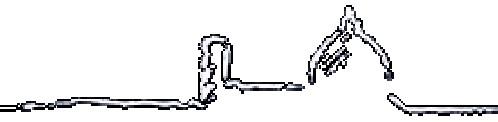
A frame of VGA video has 480 lines and each line contains 640 pixels.



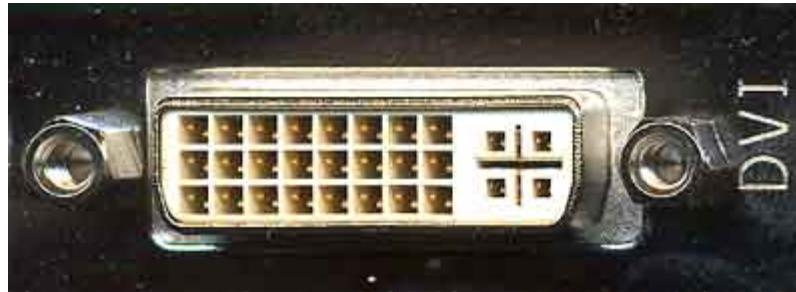
8 bit per ogni colore primario = 256 livelli
 $256^3 = 16.7$ milioni di colori.

Un'immagine a 1600x1200 (UXGA) x 60 Hz x 8 bit x 3

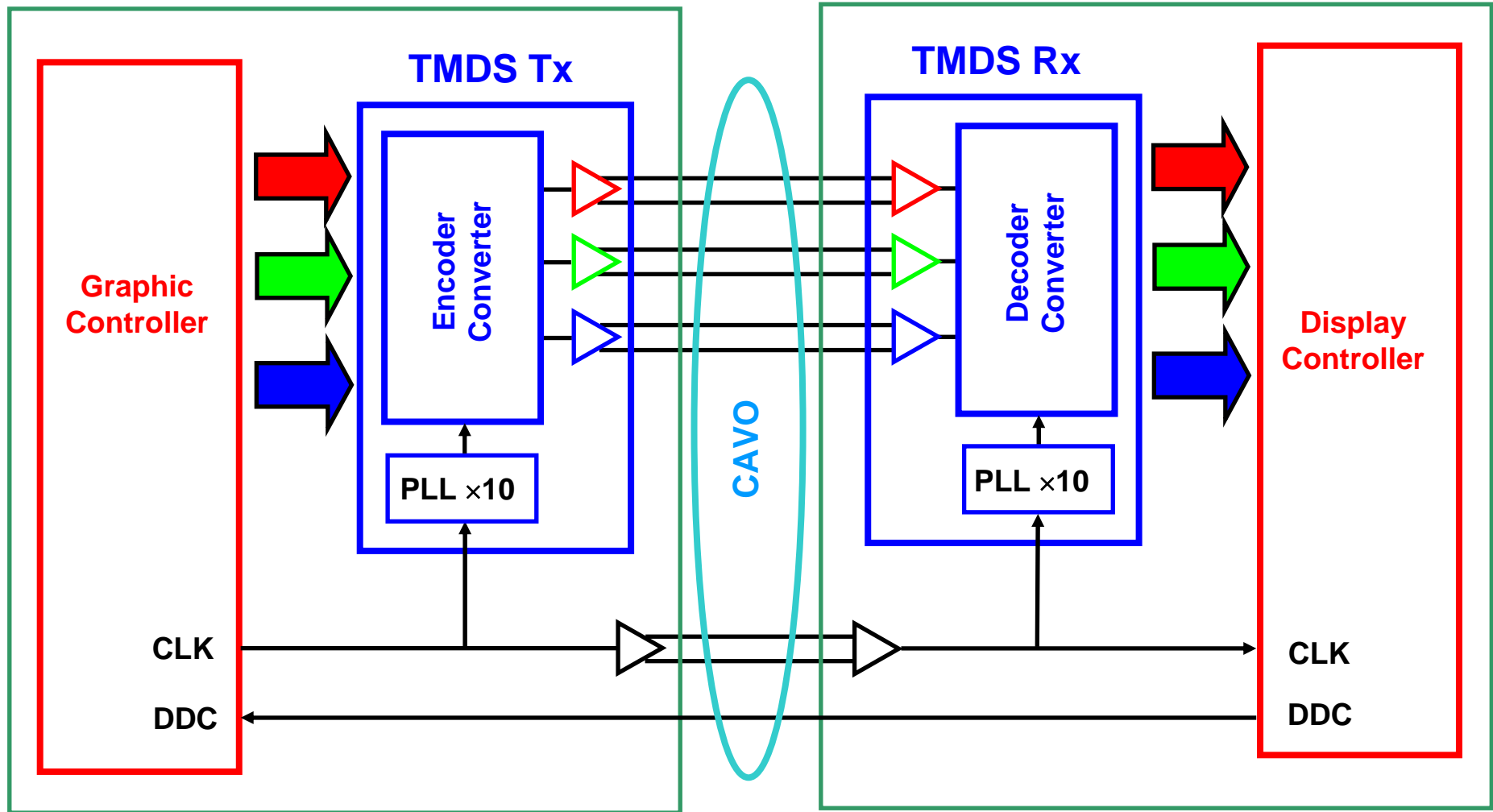
2.8 Gbit/s



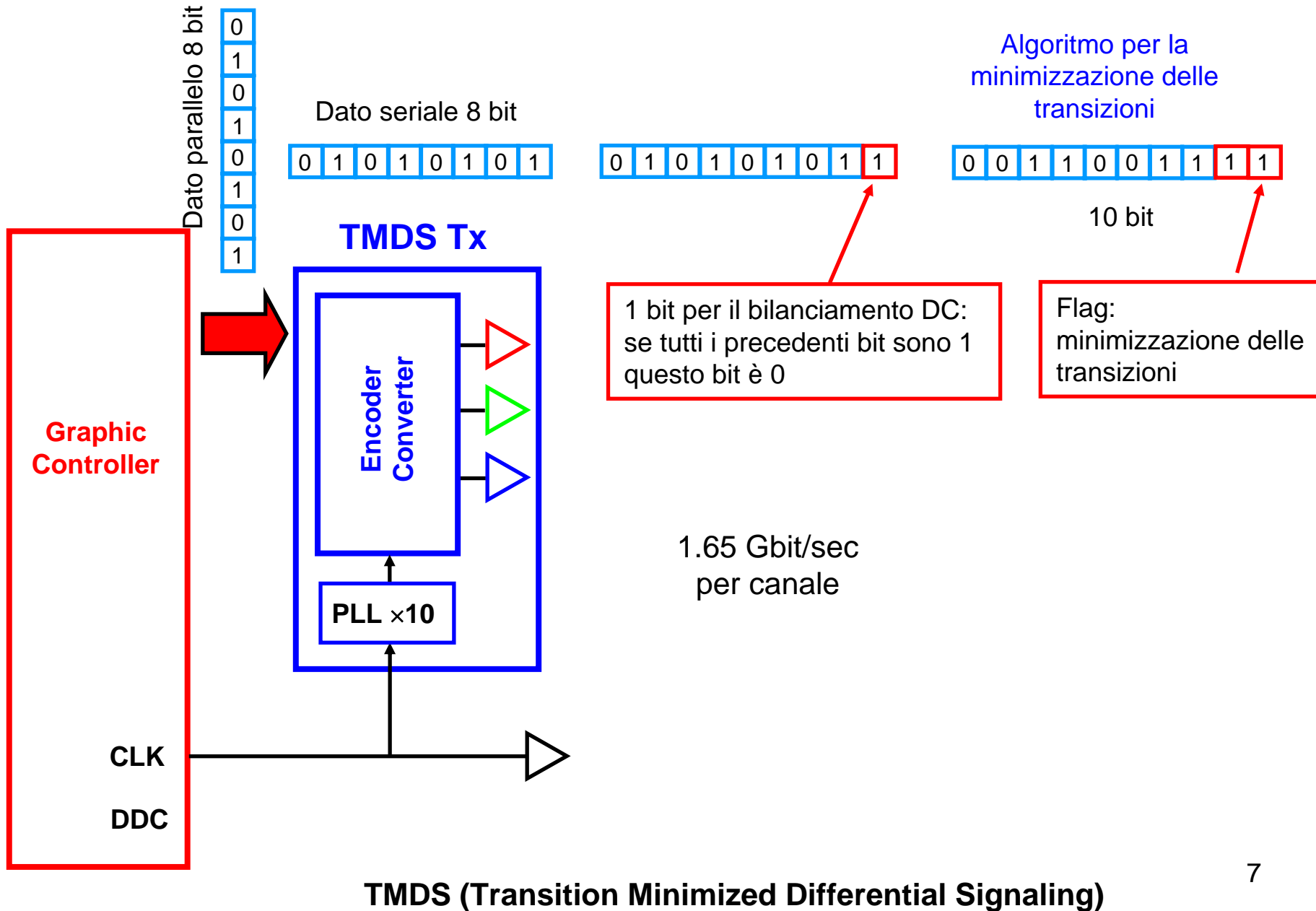
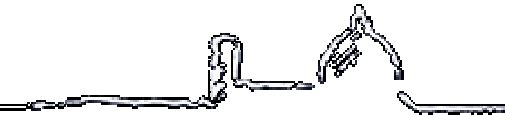
Digital Visual Interface



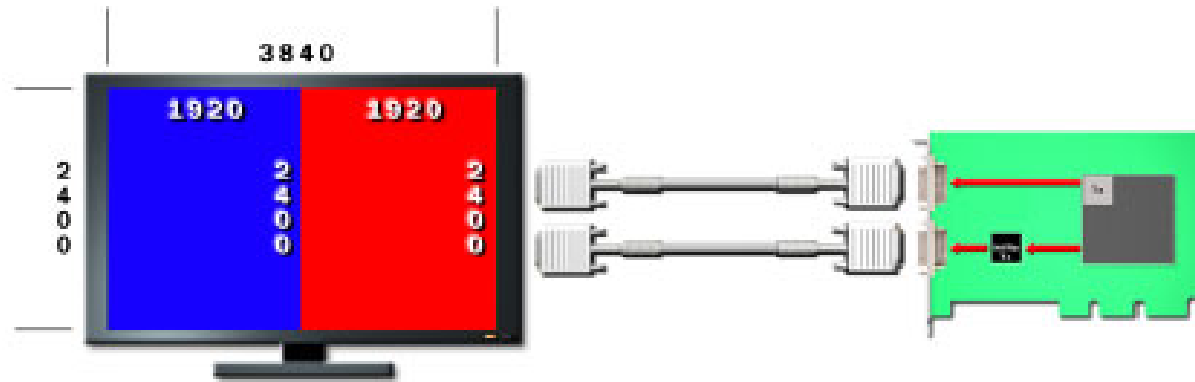
3 porte seriali sincrone



CLK < 165 MHz



Dual Link DVI



The image shows a control panel with two sections of buttons. The left section is a 3x6 grid of buttons. The right section is a 3x2 grid of buttons. The buttons are labeled as follows:

Row	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6
1	1					8
2	9					16
3	17					24

Row	Col 1	Col 2
1	C1	C2
2	C5	
3	C3	C4

Buttons 1, 8, 9, and 16 are highlighted with green circles. Buttons C1, C2, C3, and C4 are highlighted with yellow circles. Button 16 is also highlighted with a blue circle.

Plug & Play



**TMDS
PLUG & PLAY
ANALOG**

