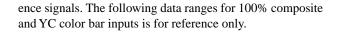


Application Note 60 TMC22x5y input data ranges

There is no fixed input data range to the TMC22x5y family of digital decoders, as the programmable output matrix allows up to 6dB of gain on the luminance and color differ-



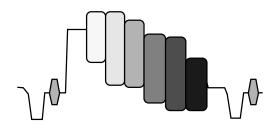


Figure 1: Composite video waveform

Color	NTSC/M		PAL/I	
bar	Y	С	Y	С
white	824	0	828	0
Yellow	762	± 242	763	± 257
Cyan	663	± 341	657	± 362
Green	601	± 319	592	± 338
Magenta	507	± 319	492	± 338
Red	445	± 341	426	± 362
Blue	345	± 242	321	± 257
Pedestal	284	0	n/a	n/a
Blanking	240	0	256	0
Burst	0	± 117	0	± 122
sync tip	6	0	10	0

PAL/I

С

0

± 355

± 499

± 467

± 467

± 499

± 355

n/a

0

± 170

0

Υ

1008

928

799

719

597

517

388

n/a

308

0

8

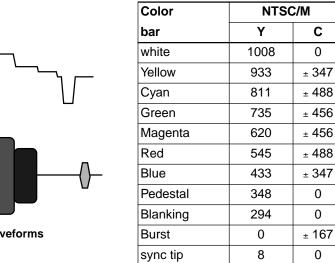


Table 2: 10 bit YC input data ranges

Figure 2: YC video waveforms

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- 2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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