

Panasonic VD2

14 January 2005

TABLE OF CONTENTS

Section	Page
1 Panasonic Super Coaxitron (VD2) timing	1

LIST OF FIGURES

Figure		Page
1	Timing for a command and its response	2
2	Panasonic keyboard command response timing in field 1	3
3	Panasonic keyboard command timing in field 2	4
4	Panasonic camera response timing in field 1	5
5	Panasonic camera response timing in field 2	6
6	Typical command or response	7
7	Command or response start timing	8
8	Command or response “1” bit	9
9	Command or response “1” bit	10
10	Timing between bits of a command or response	11

1 Panasonic Super Coaxitron (VD2) timing[ptiming]

Panasonic’s VD2, a Coaxitron like protocol, has had some preliminary investigations. This is a set of various oscilloscope pictures of the data.

¹\$Header: d:/TXBs/RCS/vd2.tex,v 1.1 2005-01-14 11:04:19-08 Hamilton Exp Hamilton \$

²\$Header: d:/TXBs/RCS/Ptiming.inc,v 1.3 2004-10-04 06:12:46-07 Hamilton Exp Hamilton \$

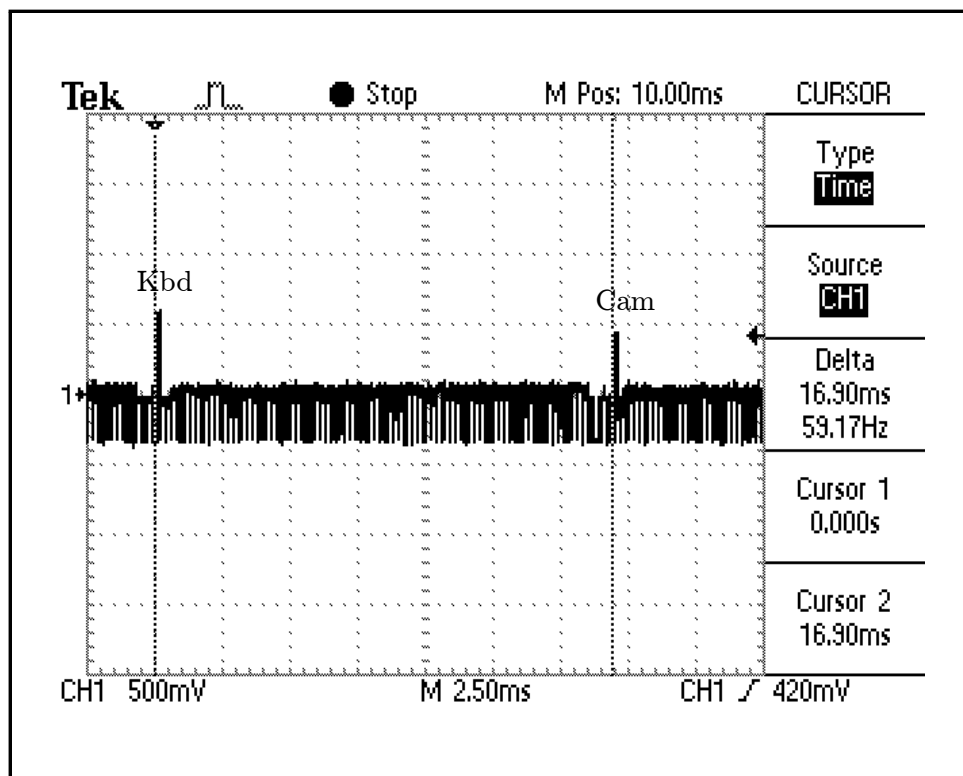


Figure 1. Timing for a command and its response[testa16]

Item	Setting/Use
Trace 1	Video coax

³\$Header: d:/TXBs/RCS/testa16.inc,v 1.1 2004-10-01 14:34:30-07 Hamilton Exp Hamilton \$

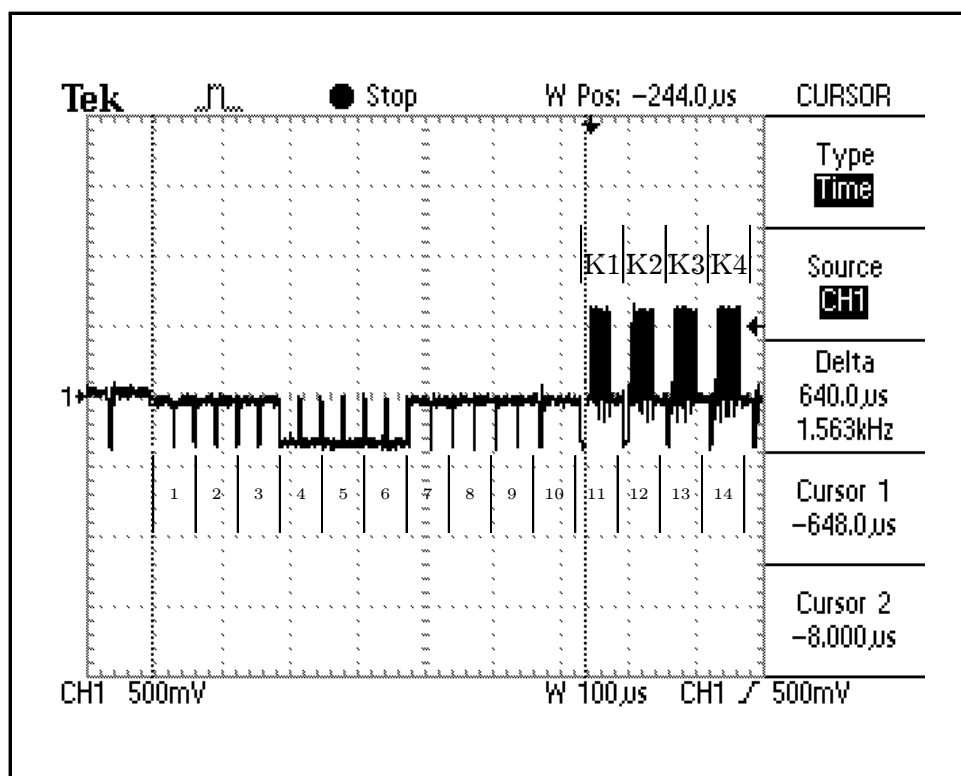


Figure 2. Panasonic keyboard command response timing in field 1 [testc33]

Item	Setting/Use
Trace 1	Video coax
K#	Keyboard byte number
n	Video line numbers

⁴\$Header: d:/TXBs/RCS/testc33.inc,v 1.1 2004-10-01 14:34:30-07 Hamilton Exp Hamilton \$

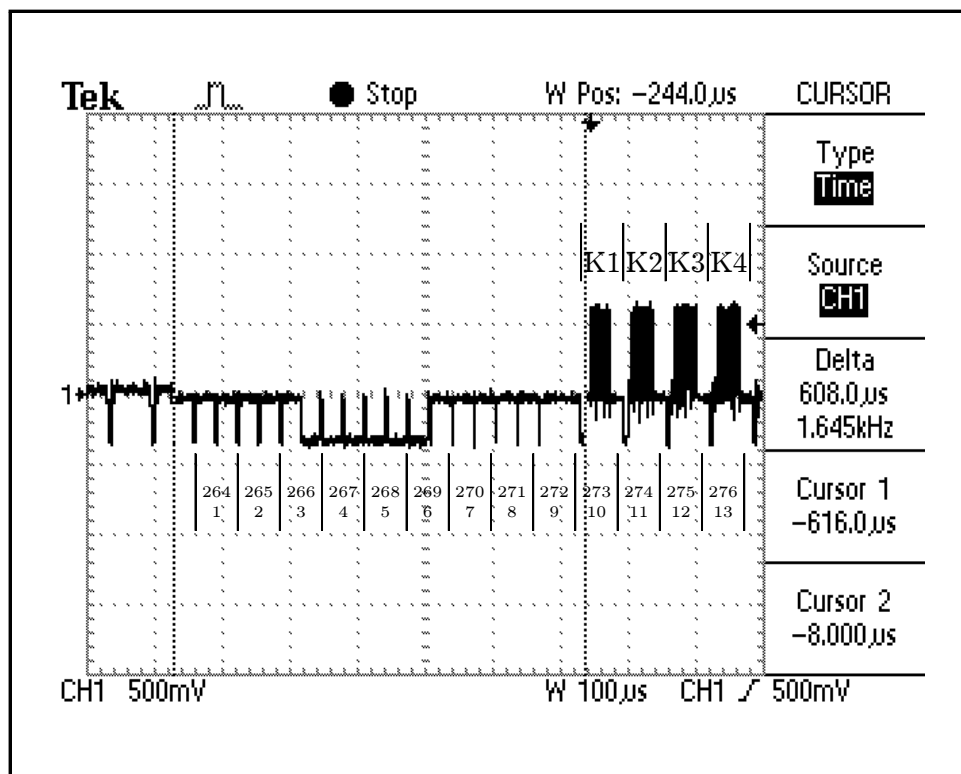


Figure 3. Panasonic keyboard command timing in field 2[testc34]

Item	Setting/Use
Trace 1	Video coax
K#	Keyboard byte number
n	Video line numbers

⁵\$Header: d:/TXBs/RCS/testc34.inc,v 1.1 2004-10-01 14:34:31-07 Hamilton Exp Hamilton \$

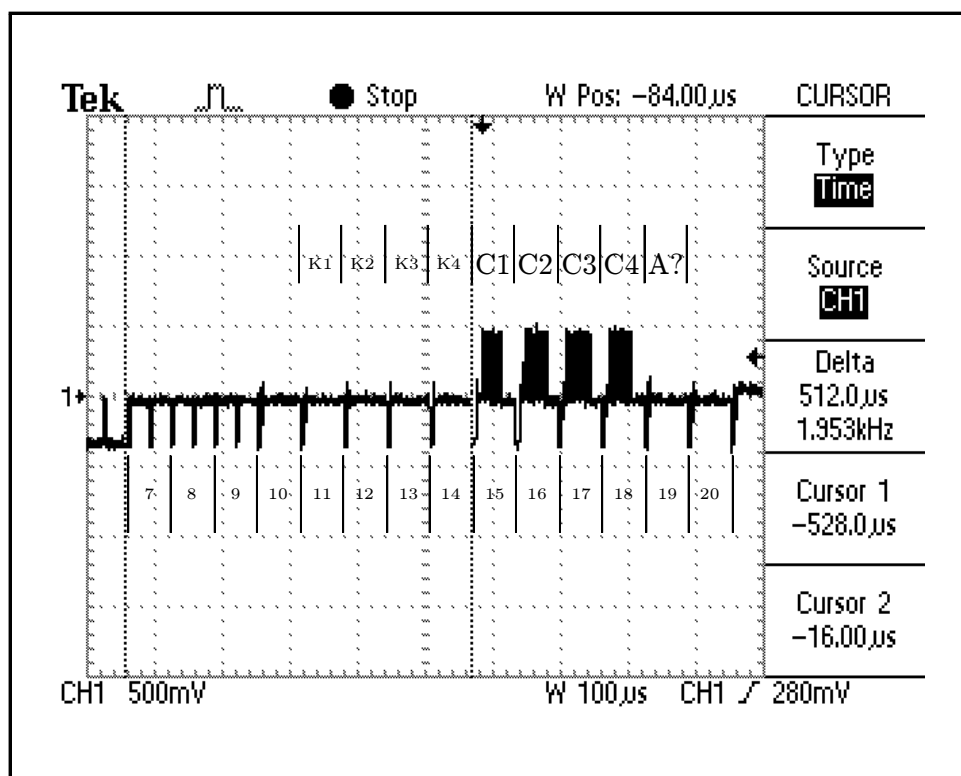


Figure 4. Panasonic camera response timing in field 1[testc41]

Item	Setting/Use
Trace 1	Video coax
A?	Space for alarm data?
C#	Camera byte number
K#	Keyboard byte number
n	Video line numbers

⁶\$Header: d:/TXBs/RCS/testc41.inc,v 1.1 2004-10-01 14:34:31-07 Hamilton Exp Hamilton \$

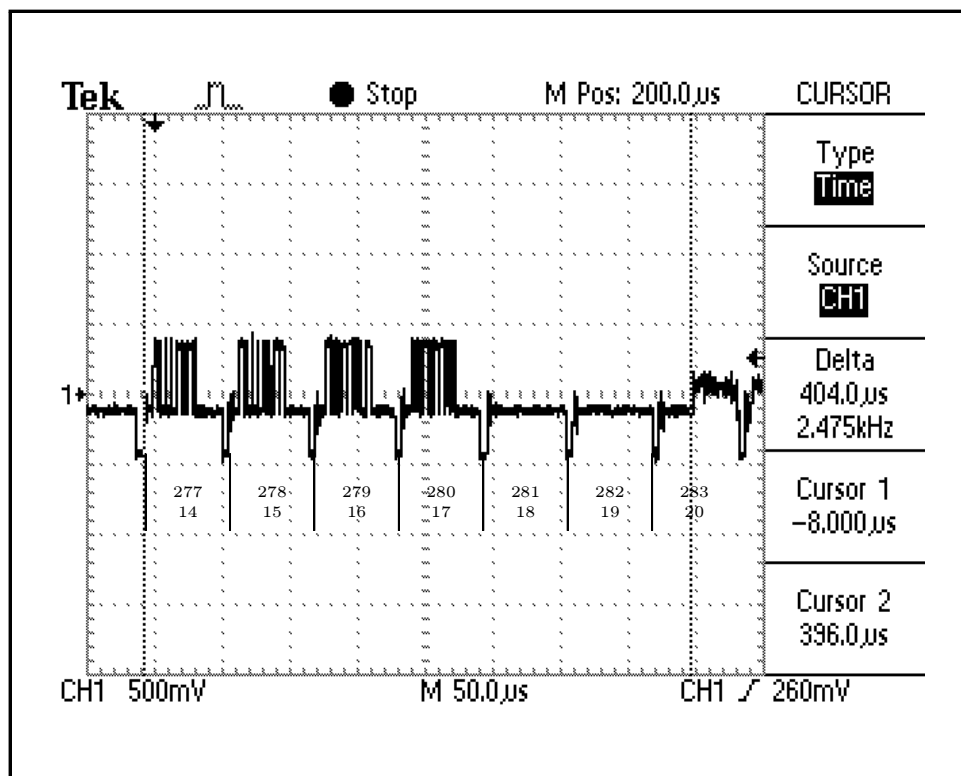


Figure 5. Panasonic camera response timing in field 2[17aug04s]

Item	Setting/Use
Trace 1	Video coax
A?	Space for alarm data?
C#	Camera byte number
n	Video line numbers

⁷\$Header: d:/TXBs/RCS/17aug04s.inc,v 1.1 2004-10-01 14:34:30-07 Hamilton Exp Hamilton \$

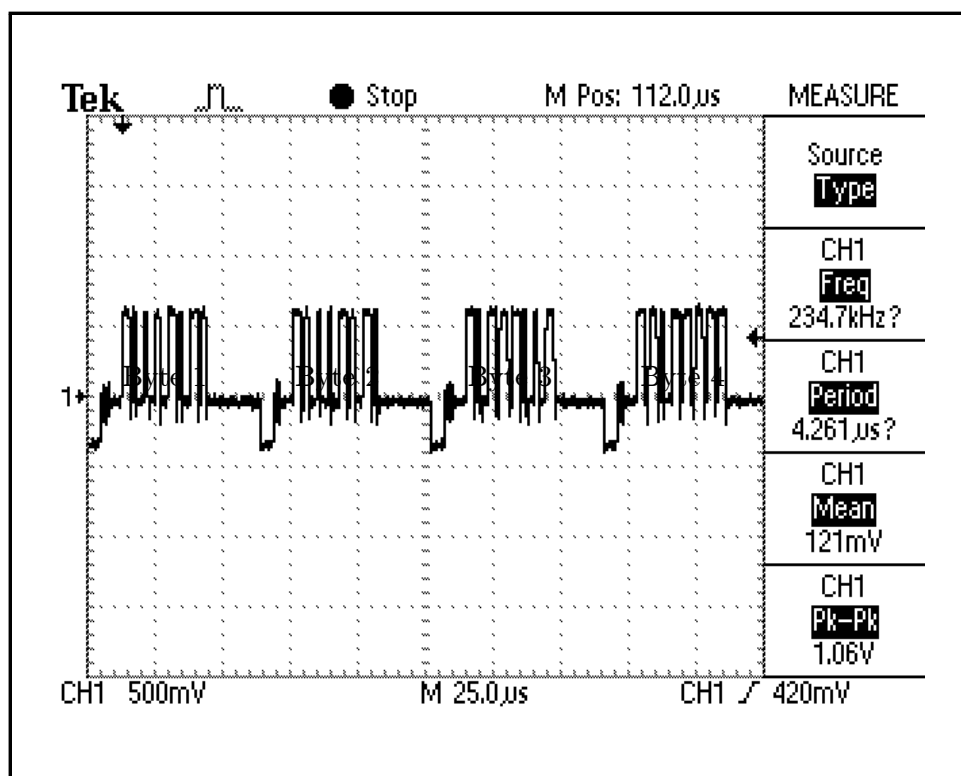


Figure 6. Typical command or response[testa03]

Item	Setting/Use
Trace 1	Video coax

⁸\$Header: d:/TXBs/RCS/testa03.inc,v 1.1 2004-10-01 14:34:30-07 Hamilton Exp Hamilton \$

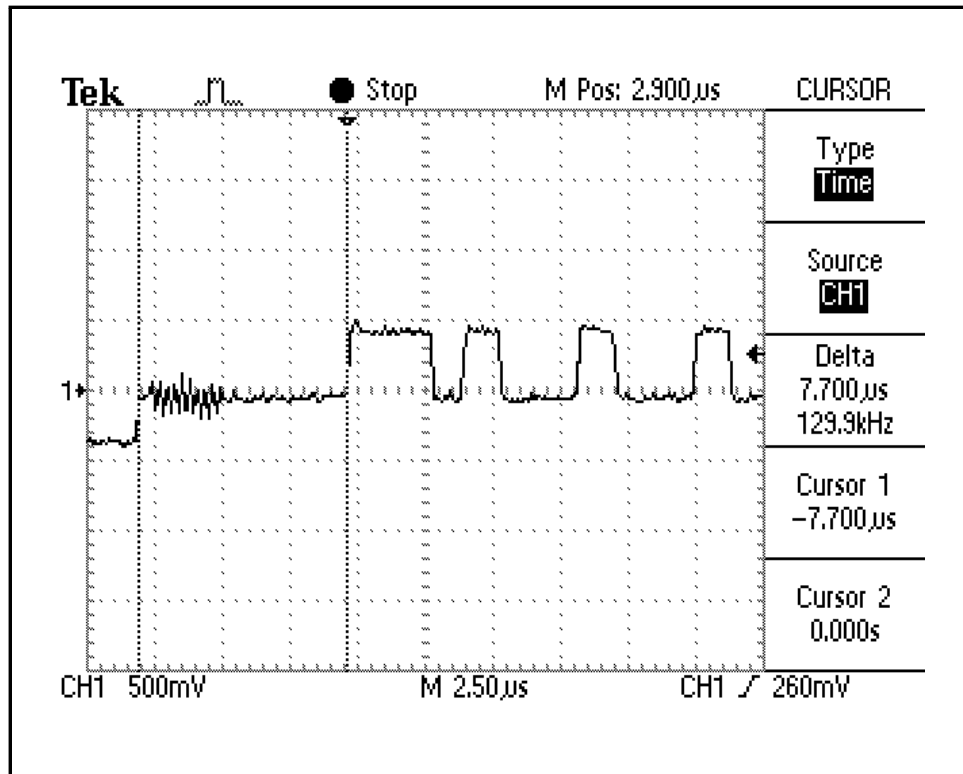


Figure 7. Command or response start timing[17aug04o]

Item	Setting/Use
Trace 1	Video coax

⁹\$Header: d:/TXBs/RCS/17aug04o.inc,v 1.1 2004-10-01 14:34:30-07 Hamilton Exp Hamilton \$

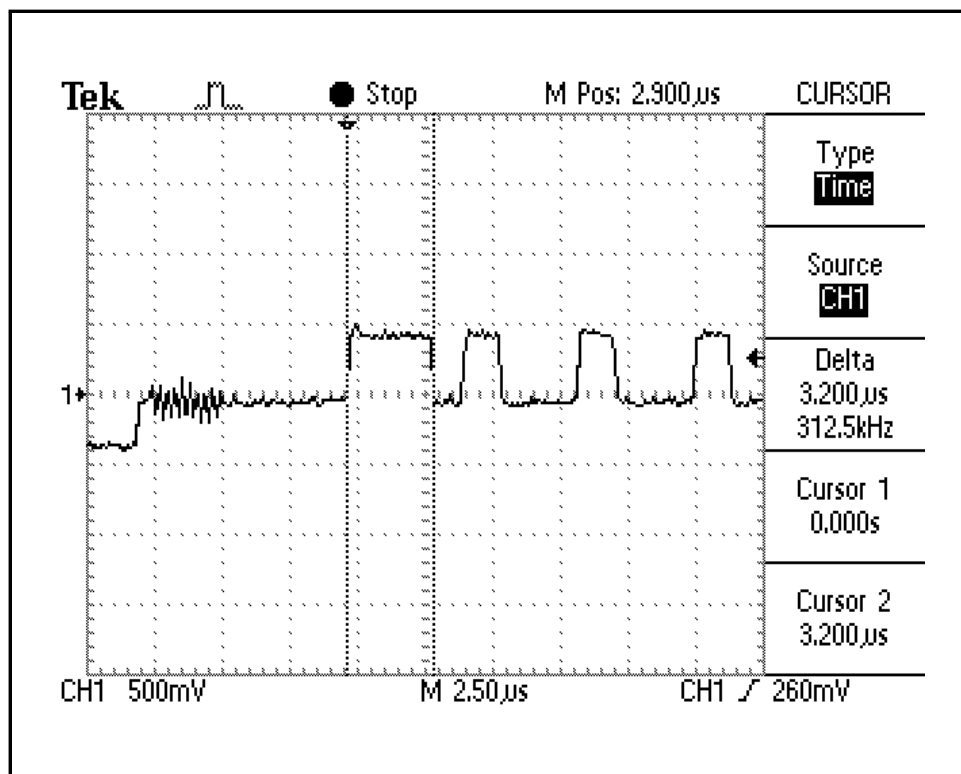


Figure 8. Command or response “1” bit [17aug04n]

Item	Setting/Use
Trace 1	Video coax

¹⁰\$Header: d:/TXBs/RCS/17aug04n.inc,v 1.1 2004-10-01 14:34:30-07 Hamilton Exp Hamilton \$

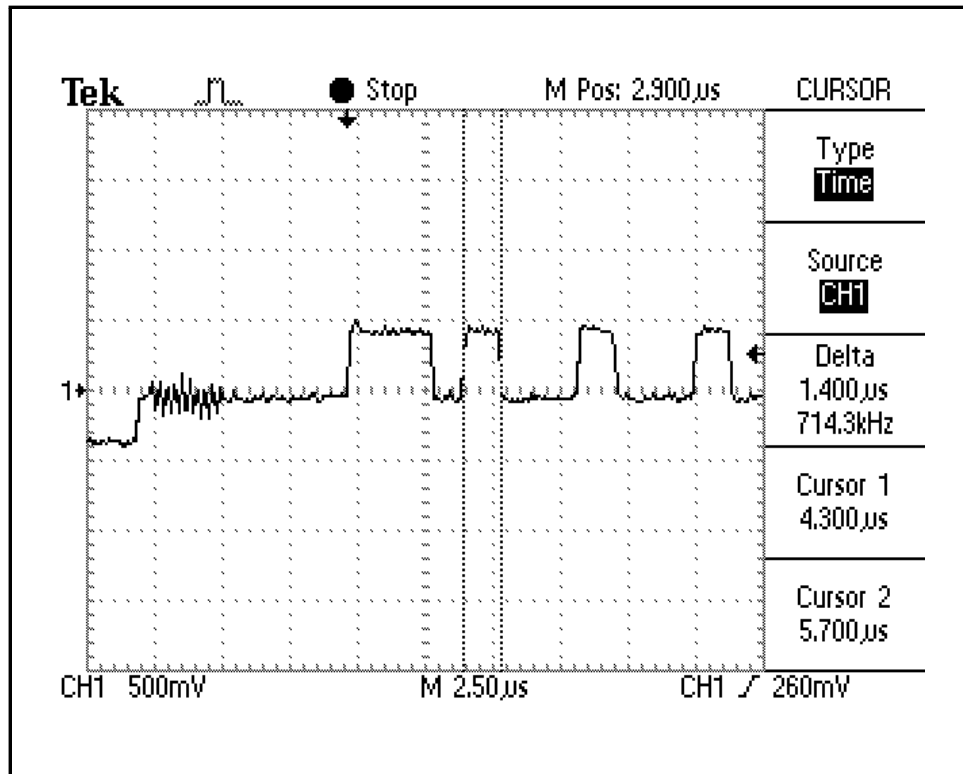


Figure 9. Command or response "1" bit [17aug04m]

Item	Setting/Use
Trace 1	Video coax

¹¹\$Header: d:/TXBs/RCS/17aug04m.inc,v 1.1 2004-10-01 14:34:30-07 Hamilton Exp Hamilton \$

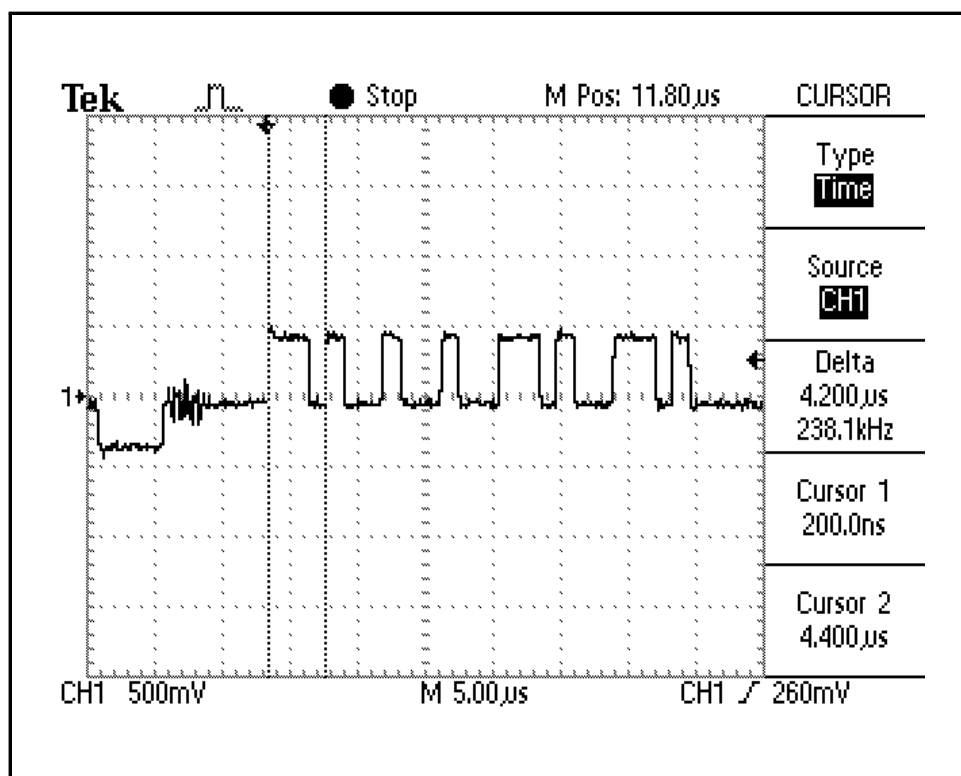


Figure 10. Timing between bits of a command or response[17aug04f]

Item	Setting/Use
Trace 1	Video coax

¹²\$Header: d:/TXBs/RCS/17aug04f.inc,v 1.1 2004-10-01 14:34:30-07 Hamilton Exp Hamilton \$

Index

Coaxitron, 1

Panasonic, 1, 3–6

VD2, 1