



quantumdata

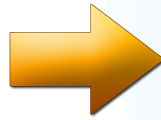
980 Protocol Scope - Real Time Mode

Now you can view encrypted video and metadata in real time. Monitor data for changes as you configure your source device.



View video in real time:

- View encrypted video
- View video parameter values
- View video timing data



VideoInfo: 4 / 2017

Encrypted

VIC-3: 720x480p @ 60 Hz 16:9
720 x 480, Progressive
(24 bpp), YCbCr-444, ITU-601
-No Pixel Selected-

L/P-Prog, Vpol-N, Hpol-N, Hfreq-31.4683 kHz, Vfreq-59.9397 Hz, THDS Clock Freq-26.99982 MHz

F1	Hactive	Vactive	H/V	Htotal	Hblank	Vtotal	Vblank	Hfront	Hsync	Hback
min	720	480	0	858	138	525	45	16	62	60
max	720	480	0	858	138	525	45	16	62	60
avg	720	480	0	858	138	525	45	16	62	60

Note: all measurements in THDS clocks:

AVI: 0 (0) 26036

```

check sum: 0x83
scan info: no data
hdmi/vcc indicator: RGB
active format: not defined
picture aspect ratio: no data
colorimetry: no data
non-uniform picture scale: no known
quantization range: default (depends on video format)
TI content: no data
video format: V
pixel repetition: 0
line number of end of top bar: 0
line number of start of bottom bar: 7
line number of end of left bar: 0
line number of start of right bar: 1
HB: 02 02 0d e4 |
SP0: 83 00 00 00 13 00 00 be |...
SP1: 00 41 02 00 00 01 05 12 |...
SP2: 00 00 00 00 00 00 00 00 |...
  
```

AVI: 0 (0) 26036

```

check sum: 0x83
scan info: no data
hdmi/vcc indicator: RGB
active format: not defined
picture aspect ratio: no data
colorimetry: no data
non-uniform picture scale: no known
quantization range: default (depends on video format)
TI content: no data
video format: VIC1V (1280x720p 50Hz, 16:9, 1:1)
pixel repetition: none
line number of end of top bar: 0
line number of start of bottom bar: 0
clear AVMUTE flag: 0
set AVMUTE flag: 0
color depth: 36 bits per pixel
pixel packing phase: Phase 2 (10P2, 12P2)
HB: 03 00 00 de |
SP0: 00 26 00 00 00 00 00 2a |.4.....|
SP1: 00 26 00 00 00 00 00 2a |.4.....|
SP2: 00 26 00 00 00 00 00 2a |.4.....|
  
```

SPD: 0 (0) 234816

```

vendor name: [001.....]
product description: [HDMI ANALYZER..]
source information: Digital STD
HB: 83 01 19 64 |
SP0: dc 51 44 49 00 00 00 01 |.Q01....|
SP1: 00 00 48 44 4d 49 20 82 |..HDMI..|
SP2: 41 4e 41 4e 59 5a 45 22 |ANALYZE"|
SP3: 52 00 00 00 01 00 00 ff |R.....|
  
```

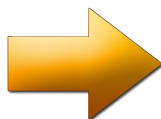
View HDMI metadata in real time:

- View any infoframe, AVI, Audio, VSI, etc.
- Check General Control Packets for AVmute
- Set "reference frames" to enable you to easily identify changes in metadata values



View DDC transactions in real time:

- View EDID data transactions
- View HDCP transactions and details in human readable text (shown)



ACA Events: 204

```

00177 EDID E-EDID Segment 00
00178 EDID Req @ 0fs 00
00179 EDID Read 80 bytes
00180 EDID E-EDID Segment 00
00181 EDID Req @ 0fs 80
00182 EDID Read 80 bytes
00183 HDCP Read Bcaps
00184 HDCP Reply 80
00185 HDCP Write An C551EC5279337423
00186 HDCP Write Aksv 0D95EE12DA
00187 HDCP Read Bksv
00188 HDCP Reply CAB6D1C227
00189 HDCP Read Ri'
00190 HDCP Reply 3CED
00191 HDCP Read Bcaps
00192 HDCP Reply 80
00193 HDCP Read Ri'
00194 HDCP Reply 3CED
00195 HDCP Read Ri'
00196 HDCP Reply CF5A
  
```

ACA Event Details

```

Start time: 00:00:03.3987
Duration: 0.131 msec
Maximum I2C Rate: 93.80 kbps
The master read the following data:
Register 0x40 (Bcaps (HDCP B Capability Bits)) = 0x80
REPEATER: 0
READY: 0
FAST: 0
1.1 FEATURES: 0
FAST REAUTHENTICATION: 0
* START *
0000 75 80- | u .
* STOP *
  
```