

Command Line Interface for ANT-7000

Contents

Command Line Interface for ANT-7000 1

Document info..... 1

1. ANT-7000E Command Line Interface..... 2
 - 1.1. available parameter to control..... 2
 - 1.1. current setting 2
 - 1.1. Change a setting 3
2. ANT-7000D Command Line Interface 4
 - 2.1. available parameter to control..... 4
 - 2.2. current setting 4
 - 2.3. Change a setting 5

For use with S/W version : Antrica.330.00 or greater.

In the included example the Windows DOS telnet interface was used.

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Document info

Version	date	author	Comments
1.0	11-Sep-19	David M	Initial draft

1. ANT-7000E Command Line Interface

From DOS:

```
telnet 192.168.0.171
```

If required ID: root and PW: rootroot

The prompt will now be:

```
ANT-7000E:/cavium #
```

1.1. available parameter to control

"cli" will list all available options

```
ANT-7000E:/cavium # cli
cli eth [ipaddr [mask]]
cli ethgateway [ipaddr]
cli version
cli mode [P2P/Multicast]
cli portconfig mgmt [4100~65520]
cli portconfig rtsp [4096~65530]
cli portusage
cli peerstatus
cli sigstatus
cli sigstatus video
cli sigstatus audio
cli video [On/Off]
cli encfres
[input/1920x1080P60/1920x1080P59.94/1920x1080P50/1920x1080P30/1920x1080P25/1920x1080P24/1920x1080P23.98/1920x1080I60/1920x1080I50/1280x960P60/1280x720P60/1280x720P59.94/1280x720P50/720x576P50/720x480P60/720x480P59.94/1600x1200P60/1280x1024P60/1280x768P60/1152x864P75/1024x768P60/800x600P75/800x600P60/640x480P60]
cli coding [GOP/IntraCoded]
cli gop [30~65535]
cli intra [10~999]
cli cbr [0/0.001~80]
cli osd [On/Off]
cli rtsp [On/Off]
cli audio [On/Off]
cli audioch [Stereo/Mono]
cli pcmcompress [None/aLaw/uLaw]
cli serial
cli serialbaud [1200/2400/4800/9600/19200/38400/115200]
cli serialstopbit [1/2]
cli serialcsize [CS5/CS6/CS7/CS8]
cli serialparity [DISABLE/ODD/EVEN]
cli allinfo
```

1.1. current setting

"cli allinfo" will list current setting

```
ANT-7000E:/cavium # cli allinfo
== System Configuration ==
S/W version : Antrica.332.00 (2019.04.19-17:23:41)
```

```
Eth IP : 192.168.0.171
Eth Mask : 255.255.255.0
Eth Mac : 80:64:59:10:03:00
Ethernet Gateway : 0.0.0.0
```

Streaming Mode : P2P

```
MGMT Port(TCP) : 18999
RTSP Port(TCP) : 8554
```

```
Port Usage between TX/RX
      PORT                TX <=          => RX
MGMT Port                :    TCP 18999
Video Data Port          :                                UDP 19000
Audio Data Port          :                                UDP 18995
KVM Data Port            :    TCP 19008
Vserial Data Port        :    UDP 19009          UDP 19009
```

```
Port Usage between RTSP Server/Client
      PORT                TX <=          => RTSP Client
RTSP Server Port         :    TCP 8554
Video RTP Port(Multicast) :                                UDP 19000
Video RTCP Port(Multicast) :                                UDP 19001
Audio RTP Port(Multicast) :                                UDP 19004
Audio RTCP Port(Multicast) :                                UDP 19005
I-Request Port          :    UDP 19000
KVM Data Port            :    TCP 19008
```

Peer Machine Info : ANT-7000D, LAN(192.168.0.172)

```
== Stream Configuration ==
Input Video : 1920x1080P60
Encoding Resolution : 1920x1080P60
Input Audio : PCM 48000
Video Streaming : On
Forced Enc Res : input
Coding Mode : IntraCoded
GOP Size : 300
Intra Period : 120
Video Bitrate(Mbps) : 8
OSD Status : Off
RTSP Server : On
```

```
Audio Streaming : On
Audio Channel : Stereo
PCM Compress : None
```

```
== Serial Port Configuration ==
Baudrate : 9600
Stop Bit : 1
Character Size : CS8
Parity : DISABLE
Flow Control : None
ANT-7000E:/cavium #
```

1.1. Change a setting

To change encoding resolution, was 1920x1080P60, from above

```
ANT-7000E:/cavium # cli encfres 1280x720P50
Success Command
```

```
ANT-7000E:/cavium # cli allinfo
```

```
Encoding Resolution : 1280x720P50
```

```
Now it is 1280x720P50
```

2. ANT-7000D Command Line Interface

From DOS:

```
telnet 192.168.0.172
```

If required ID: root and PW: rootroot

The prompt will now be:

```
ANT-7000D:/cavium #
```

2.1. available parameter to control

"cli" will list all available options

```
ANT-7000D:/cavium # cli
cli eth [ipaddr [mask]]
cli ethgateway [ipaddr]
cli version
cli peer [ipaddr]
cli portconfig peer [4100~65520]
cli portusage
cli peerstatus
cli sigstatus
cli sigstatus video
cli latency [0~1000]
cli serial
cli serialbaud [1200/2400/4800/9600/19200/38400/115200]
cli serialstopbit [1/2]
cli serialcsize [CS5/CS6/CS7/CS8]
cli serialparity [DISABLE/ODD/EVEN]
cli allinfo
ANT-7000D:/cavium #
```

2.2. current setting

"cli allinfo" will list current setting

```
ANT-7000D:/cavium # cli allinfo
== System Configuration ==
S/W version : Antrica.332.00(2019.04.19-17:23:41)

Eth IP : 192.168.0.172
Eth Mask : 255.255.255.0
Eth Mac : 80:64:59:90:01:20
Ethernet Gateway : 0.0.0.0

Peer IP(LAN) : 192.168.0.171
Peer MGMT Port(TCP) : 18999

Port Usage between TX/RX
```

PORT		TX <=	=> RX
MGMT Port	:	TCP 18999	
Video Data Port	:		UDP 19000
Audio Data Port	:		UDP 18995
KVM Data Port	:	TCP 19008	
Vserial Data Port	:	UDP 19009	UDP 19009

Peer Machine Info : ANT-7000E, LAN(192.168.0.171)
Peer S/W version : Antrica.332.00(2019.04.19-17:23:41)
Peer Input Resolution : 1920x1080P60
Peer Encoding Resolution : 1920x1080P60

== Stream Configuration ==
Display : 1920x1080P60

Latency(ms) : 30

== Serial Port Configuration ==
Baudrate : 9600
Stop Bit : 1
Character Size : CS8
Parity : DISABLE
Flow Control : None
ANT-7000D:/cavium #

2.3. Change a setting

To change Peer IP address, was 192.168.0.171, from above

```
ANT-7000D:/cavium # cli peer 192.168.0.170  
Success Command  
ANT-7000D:/cavium # cli allinfo
```

Peer IP(LAN) : 192.168.0.170

Now it is 192.168.0.170