

AV6000NS

Full HD Video Codec Module
High-performance Network HD DVR Solution

Video Encoding Format



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- AV6000NS CLI (Command Line Interface)

Product Overview

AV6000NS Full HD Video Codec Module

- Full HD (1080i) Video Encoding/Decoding Service Features
- Video Codec : H.264 HP/MP/BP AVC Video Codec
- Video Input Interface : HDMI, HD-SDI, Analog (NTSC, PAL)
- Video Output Interface : HDMI, HD-SDI, Analog (NTSC, PAL)
- Dual Bit Streaming Support
- Full HD Subtitle Generator Service Support
- RTSP/RTP, TCP/UDP Protocol Support
- IP based Network Surveillance Solution
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Web based Management Service
- AP-NC2000D, AP-NC2000, AP-NC3000, AP-NC5000 Platform Available

Hardware Specification

AV6000NS Full HD Video Codec Module

RISC
CPU

High-End
VP

- **RISC + Video Processor Computing Power**
- **AV6000NS Video Module**
 - **Network Interface**
 - One(1) 10/100/1000Mbps Gigabit Ethernet
 - **Video Interface**
 - One(1) Channel HD-SDI Input
 - One(1) Channel HDMI Input
 - One(1) Channel CVBS Input or Output (selected by DIP Switch)
 - One(1) Channel HD-SDI Output
 - One(1) Channel HDMI Output
 - **One(1) RS-232 Console Interface (RJ45)**
 - **Camera Control Interface**
 - One(1) RS-232C, RS422, RS485 Interface for External Camera Control
 - **I/O Interface**
 - Two(2) Alarm Input /One(1) Relay Out

Hardware Specification

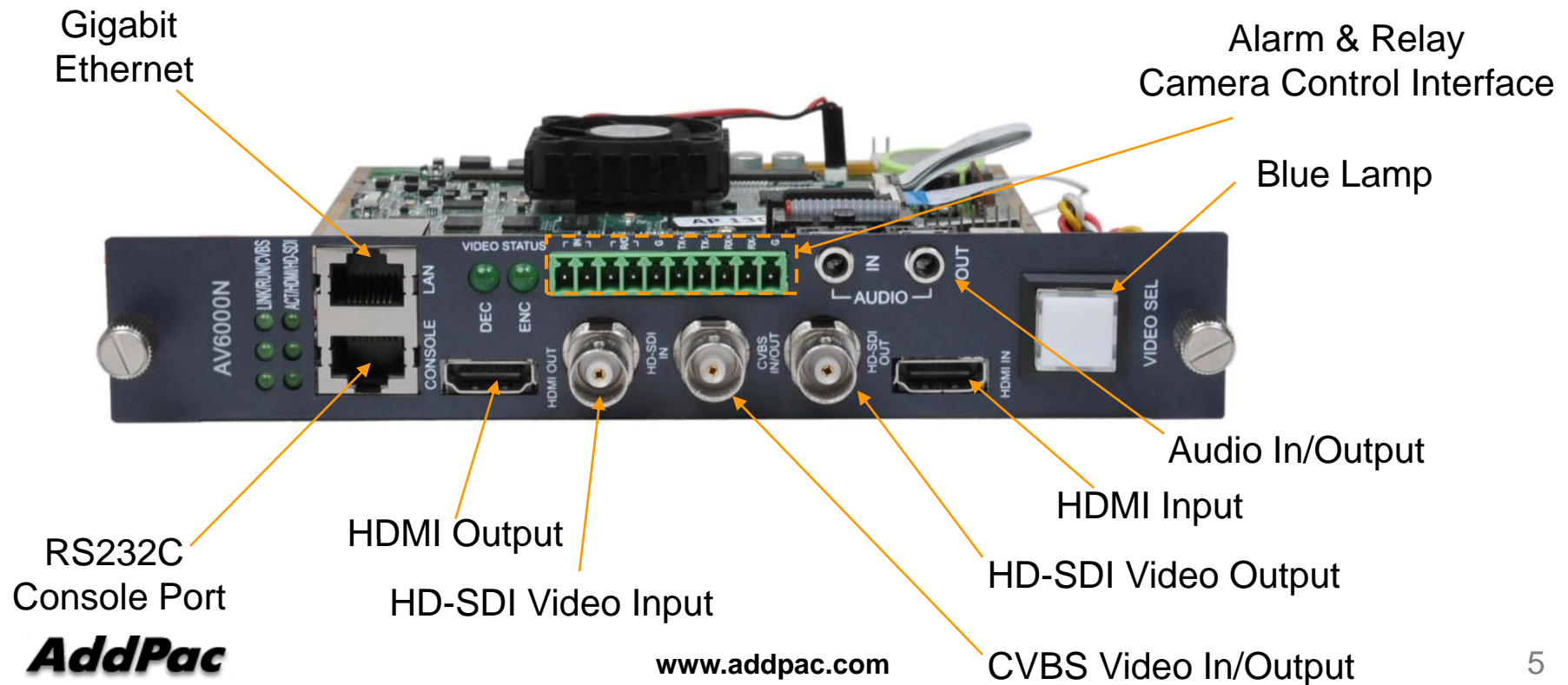
AV6000N Full HD Video Codec Module

RISC
CPU

High-End
VP

Hardware Module Specification

AV6000N HD Video Encoder/Decoder Module(H.264)



Hardware Specification

AV6000NS Full HD Video Codec Module

Hardware Specification

AP-NC2000D Front View



AV6000NS HD Video Module



Power On/Off Switch
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DC Power Supply

H.264 Encoding Format

AV6000NS Full HD Video Codec Module

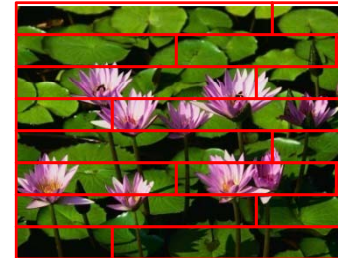
Frame-based Encoding



- Encoding unit : entire frame
- Encoded bit stream :



Slice-based Encoding



- Encoding unit : slice
- Encoded bit stream :



CLI for H.264 Encoding Format Config.

AV6000NS Full HD Video Codec Module

```
(config)# video 0/0
```

```
(config-video0/0)# video-h264-encoding ?
```

```
  frame-base
```

```
  slice-base (default)
```

```
(config-video0/0)# video-h264-encoding frame-base
```




Thank you!

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