

HD IP Video Codec Solution (Built-in Camera)



Preliminary Product Overview

(Without notice, following described technical spec. can be changed)

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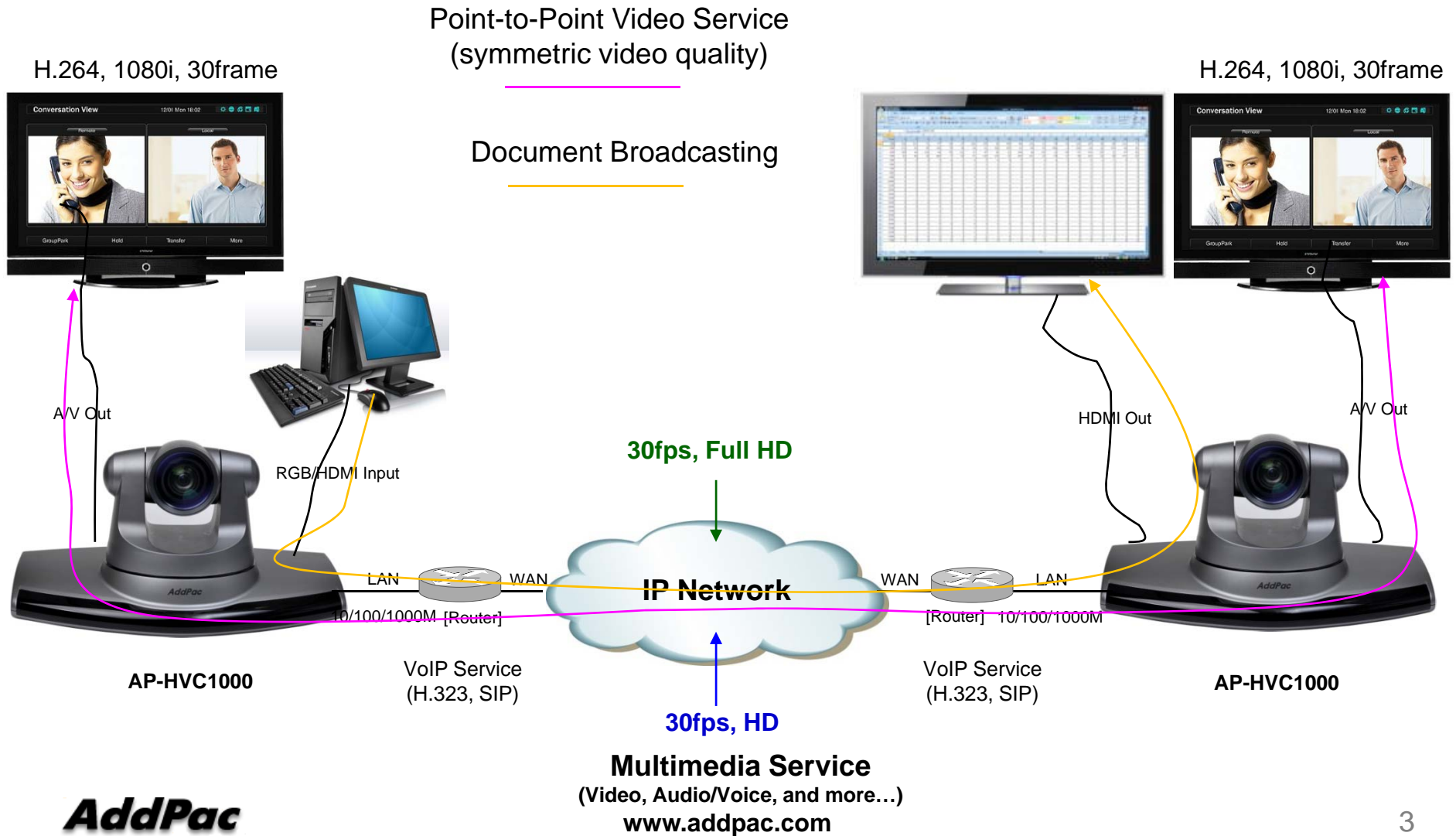
2011, Sales and Marketing

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HD Video Conference Service Diagram



HD Video Codecs (Built-in Camera)

Product		AP-HVC1000	AP-HVC700	AP-HVC600	AP-HVC500
					
Camera Sensor		CMOS	CCD	CMOS	CCD
Optical Zoom		x10	x18	x10	x18
Video Resolution		Full HD : 720P, 1080i	HD : 720P(1280x720)	Full HD : 720P, 1080i	HD :720P(1280x720)
Channel One(1)	Video Input	Built-in Full HD Camera	Built-in HD Camera	Built-In Full HD Camera, Composite, HD-SDI, RGB, HDMI	Built-In HD Camera, Composite, HD-SDI, RGB, HDMI
	Video Output	Composite, Component, HDMI	Composite, Component, HDMI	Composite, Component, HDMI	Composite, Component, HDMI
	Audio Input	Stereo RCA Type	Stereo RCA Type	Stereo RCA Type	Stereo RCA Type
	Audio Output	RCA Type Audio (L,R)	RCA Type Audio (L,R)	RCA Type Audio (L,R)	RCA Type Audio (L,R)
PTZ Control		N/A	N/A	Support	Support
Channel Two(2)	Video Input	Composite RCA, HD-SDI, RGB, HDMI	Composite RCA, HD-SDI, RGB, HDMI	N/A	N/A
	Video Output	Composite, Component, HDMI	Composite, Component, HDMI		
	Audio Input	Stereo RCA Type	Stereo RCA Type		
	Audio Output	RCA Type Audio (L,R)	RCA Type Audio (L,R)		
	PTZ Control	Support	Support		
LAN		One(1) 10/100M Ethernet	One(1) 10/100M Ethernet	One(1) 10/100M Ethernet	One(1) 10/100M Ethernet
Power		External Power Adaptor	External Power Adaptor	External Power Adaptor	External Power Adaptor

HD Video Codecs (Built-in Camera)

Product	AP-HVC200	AP-HVC300
		
Sensor	CCD	CMOS
Optical Zoom	x18	x10
Video Resolution	HD 720P(1280x720)	Full HD 720P, 1080i
Video Output	HDMI Component, RCA	HDMI, Component, RCA
Audio Out	Stereo Left, Right RCA Out	Stereo Left, Right RCA Out
Audio In	MIC/Audio In, 3.5mm Audio Input	MIC/Audio In, 3.5mm Audio Input
LAN	One(1) 10/100M Ethernet	One(1) 10/100M Ethernet
Power	External Power Adaptor	External Power Adaptor



AP-HVC1000

Two(2) Channel Full HD Video Codec

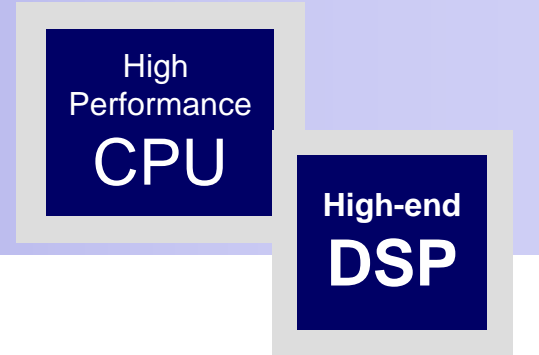
Main Features

AP-HVC1000 Two(2) Channel Full HD Video Codec

- IP based Video Conference Solution
- High-End Full HD Video Camera Features
- CMOS Sensor, 2Mega Pixel Camera
- Various Video Format Support (ex;1080i/59.94)
- PAN/TILT/Zoom Housing Features
- Optical 10 x Zoom, Digital 12 x Zoom Camera
- Built-in Wide Angle Lens for Video Conference
- Two(2) Channel Video Interface
- Second Video Interface for Document Sharing, Camera, etc
- High-performance Video, Audio, and Voice Service
- Flexible Videoconferencing Deployment
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Hardware Specification

AP-HVC1000 Two(2)-Channel Full HD Video Codec



- High Performance RISC Computing Power
- High-end Programmable DSP Hardware Architecture
- CH#1 I/O Interface

Video Input	Built-in Full HD Camera
Video Output	Composite RCA, Component , HDMI
Audio Input	Stereo RCA Type Audio Input
Audio Output	RCA Type Audio Output (Left, Right)

- CH#2 I/O Interface

Video Input	Composite RCA, HD-SDI, RGB, HDMI
Video Output	Composite RCA, Component , HDMI
Audio Input	Stereo RCA Type Audio Input
Audio Output	RCA Type Audio Output (Left, Right)
PTZ Control	RS-232C Pan/Tilt/Zoom Control Interface

Hardware Specification

AP-HVC1000 Two(2)-Channel Full HD Video Codec

High
Performance
CPU

High-end
DSP

- High-end Programmable DSP Hardware Architecture
- Network Interface
 - One(1) 10/100Mbps Fast Ethernet(RJ45)
 - One(1) RS-232C Interface (RJ45) for Console
- USB Interface
 - USB 2.0 Interface for Mouse, etc
- Voice Interface
 - FXS Interface for Analog Phone, Analog Conference Phone, etc
- External Power Input Connector
- Power On/Off Switch

Hardware Specification

AP-HVC1000 Two(2)-Channel Full HD Video Codec

High
Performance
CPU

High-end
DSP



IR Sensor & Status Indication Area

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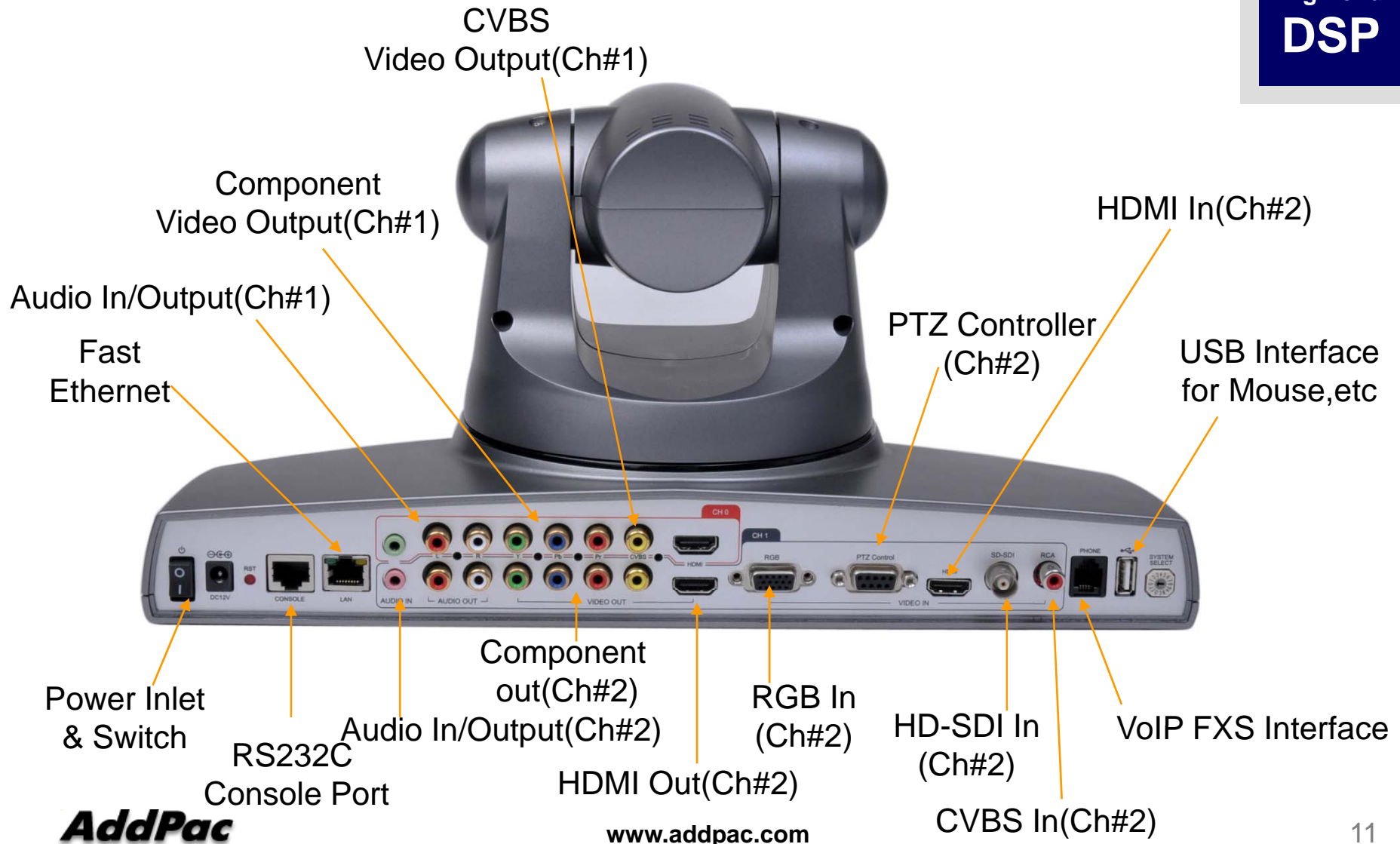
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Hardware Specification

AP-HVC1000 Two(2)-Channel Full HD Video Codec

High Performance
CPU

High-end
DSP



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AP-HVC700

Two(2) Channel HD Video Codec

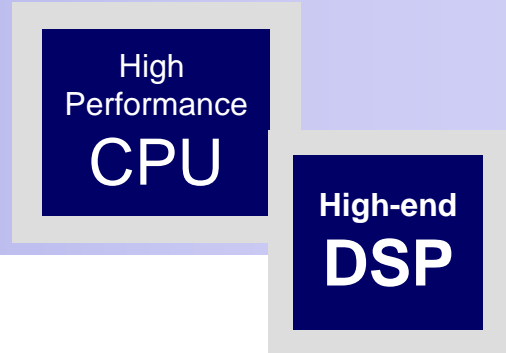
Main Features

AP-HVC1000 Two(2) Channel HD Video Codec

- IP based Video Conference Solution
- High-End HD Video Camera Features
- CCD Camera Sensor, 1.3Mega Pixel Camera
- Various Video Format Support
- PAN/TILT/Zoom Housing Features
- Optical 18 x Zoom Support
- Two(2) Channel Video Interface
- Second Video Interface for Document Sharing, Camera, etc
- High-performance Video, Audio, and Voice Service
- Flexible Videoconferencing Deployment
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Hardware Specification

AP-HVC700 Two(2)-Channel HD Video Codec



- High Performance RISC Computing Power
- High-end Programmable DSP Hardware Architecture
- CH#1 I/O Interface

Video Input	Built-in HD Camera
Video Output	Composite RCA, Component , HDMI
Audio Input	Stereo RCA Type Audio Input
Audio Output	RCA Type Audio Output (Left, Right)

- CH#2 I/O Interface

Video Input	Composite RCA, HD-SDI, RGB, HDMI
Video Output	Composite RCA, Component , HDMI
Audio Input	Stereo RCA Type Audio Input
Audio Output	RCA Type Audio Output (Left, Right)
PTZ Control	RS-232C Pan/Tilt/Zoom Control Interface

Hardware Specification

AP-HVC700 Two(2)-Channel HD Video Codec

High
Performance

CPU

High-end

DSP

- High-end Programmable DSP Hardware Architecture
- Network Interface
 - One(1) 10/100Mbps Fast Ethernet(RJ45)
 - One(1) RS-232C Interface (RJ45) for Console
- USB Interface
 - USB 2.0 Interface for Mouse, etc
- Voice Interface
 - FXS Interface for Analog Phone, Analog Conference Phone, etc
- External Power Input Connector
- Power On/Off Switch

Hardware Specification

AP-HVC700 Two(2)-Channel HD Video Codec

High
Performance
CPU

High-end
DSP



HD Camera

IR Sensor & Status Indication Area

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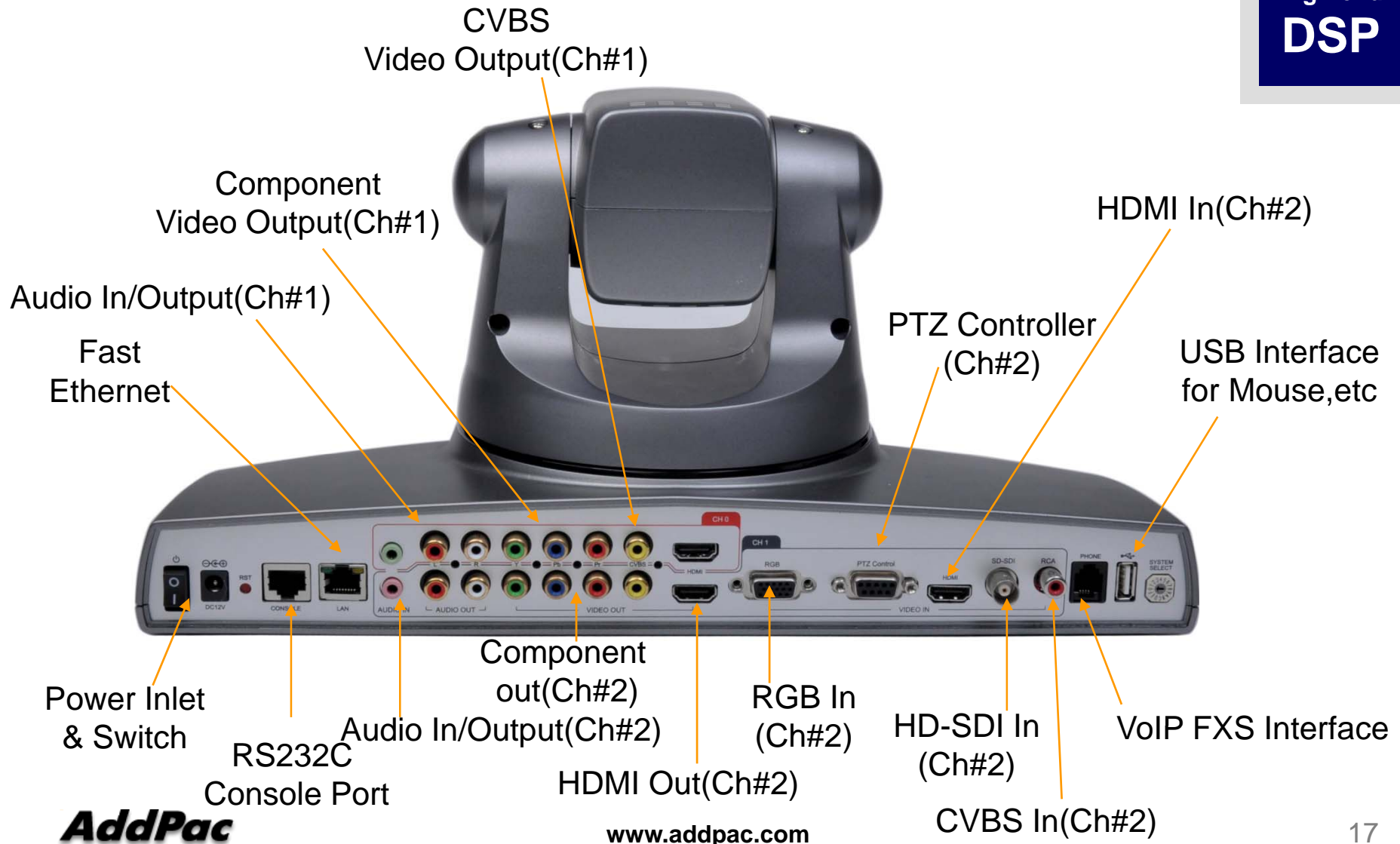
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Hardware Specification

AP-HVC700 Two(2)-Channel HD Video Codec

High Performance
CPU

High-end
DSP





AP-HVC600

One(1) Channel Full HD Video Codec

Main Features

AP-HVC600 One(1) Channel Full HD Video Codec

- IP based Video Conference Solution
- High-End Full HD Video Camera Features
- CMOS Sensor, 2Mega Pixel Camera
- Various Video Format Support (ex;1080i/59.94)
- PAN/TILT/Zoom Housing Features
- Optical 10 x Zoom, Digital 12 x Zoom Camera
- Built-in Wide Angle Lens for Video Conference
- High-performance Video, Audio, and Voice Service
- Flexible Videoconferencing Deployment
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Hardware Specification

AP-HVC600 One(1) Channel Full HD Video Codec

High
Performance
CPU

High-end
DSP

- High Performance RISC Computing Power
- High-end Programmable DSP Hardware Architecture
- Video I/O Interface

Video Input	Built-In Full HD Video Camera, Composite RCA, HD-SDI, HDMI
Video Output	Composite RCA, Component , HDMI
Audio Input	Stereo RCA Type Audio Input
Audio Output	RCA Type Audio Output (Left, Right)
PTZ Control	RS-232C Pan/Tilt/Zoom Control Interface

Hardware Specification

AP-HVC600 One(1) Channel Full HD Video Codec

High
Performance
CPU

High-end
DSP

- High-end Programmable DSP Hardware Architecture
- Network Interface
 - One(1) 10/100Mbps Fast Ethernet(RJ45)
 - One(1) RS-232C Interface (RJ45) for Console
- USB Interface
 - USB 2.0 Interface for Mouse, etc
- Voice Interface
 - FXS Interface for Analog Phone, Analog Conference Phone, etc
- External Power Input Connector
- Power On/Off Switch

Hardware Specification

AP-HVC600 One(1) Channel Full HD Video Codec

High
Performance
CPU

High-end
DSP



IR Sensor & Status Indication Area

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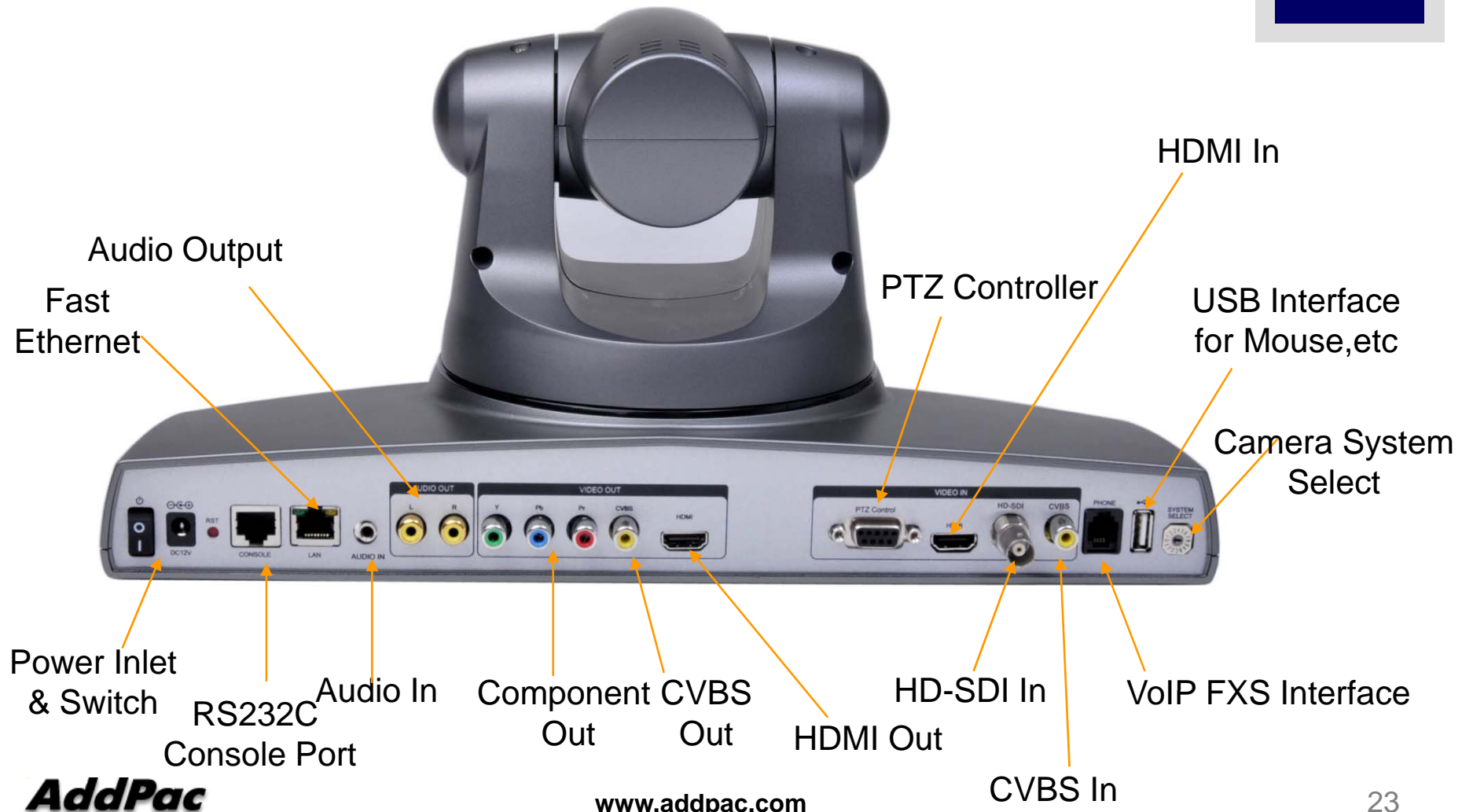
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Hardware Specification

AP-HVC600 One(1) Full HD Video Codec

High Performance
CPU

High-end
DSP





AP-HVC500

One(1) Channel HD Video Codec

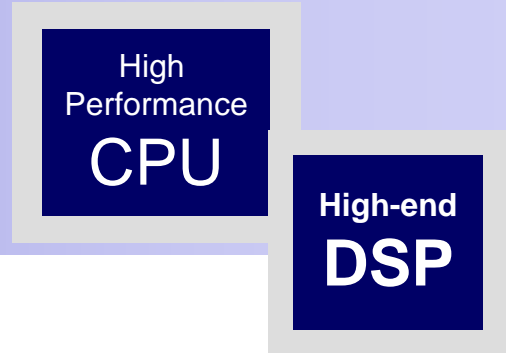
Main Features

AP-HVC500 One(1) Channel HD Video Codec

- IP based Video Conference Solution
- High-End HD Video Camera Features
- CCD Camera Sensor, 1.3Mega Pixel Camera
- Various Video Format Support
- PAN/TILT/Zoom Housing Features
- Optical 18 x Zoom Support
- High-performance Video, Audio, and Voice Service
- Flexible Videoconferencing Deployment
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection

Hardware Specification

AP-HVC500 One(1) Channel HD Video Codec



- High Performance RISC Computing Power
- High-end Programmable DSP Hardware Architecture
- Video I/O Interface

Video Input	Built-In HD Video Camera, Composite RCA, HD-SDI, HDMI
Video Output	Composite RCA, Component , HDMI
Audio Input	Stereo RCA Type Audio Input
Audio Output	RCA Type Audio Output (Left, Right)
PTZ Control	RS-232C Pan/Tilt/Zoom Control Interface

Hardware Specification

AP-HVC500 One(1) Channel HD Video Codec

High
Performance

CPU

High-end

DSP

- High-end Programmable DSP Hardware Architecture
- Network Interface
 - One(1) 10/100Mbps Fast Ethernet(RJ45)
 - One(1) RS-232C Interface (RJ45) for Console
- USB Interface
 - USB 2.0 Interface for Mouse, etc
- Voice Interface
 - FXS Interface for Analog Phone, Analog Conference Phone, etc
- External Power Input Connector
- Power On/Off Switch

Hardware Specification

AP-HVC500 One(1) Channel HD Video Codec

High
Performance
CPU

High-end
DSP



HD Camera

IR Sensor & Status Indication Area

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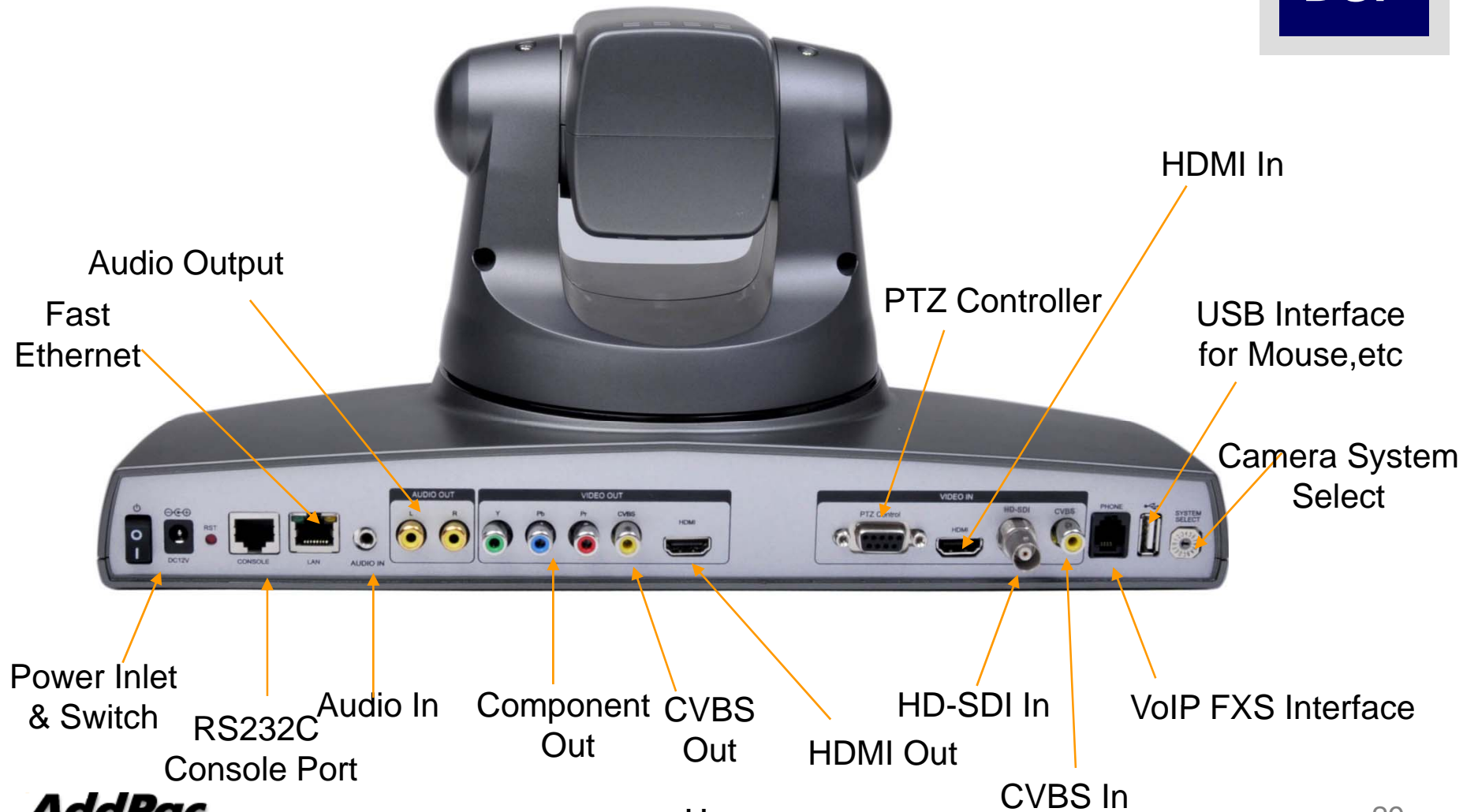
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Hardware Specification

AP-HVC500 One(1) Channel HD Video Codec

High Performance
CPU

High-end
DSP





AP-HVC300

One(1) Channel Full HD Video Code

Main Features

AP-HVC300 One(1) Channel Full HD Video Codec

- High-End Full HD Video Camera Features(Built-in Camera)
- CMOS Sensor, 2Mega Pixel Camera
- PAN/TILT/Zoom Housing Features
- Optical 10 x Zoom, Digital 12 x Zoom Camera
- Built-in Wide Angle Lens for Video Conference
- Various Video Output Interface
 - HDMI Digital Video Output Interface
 - RCA, Component Video Output Interface
- H.264/MPEG4,etc Video Codec
- SIP/H.323 Signaling Protocol
- Up to 30fps with Full HD Resolution(H.264)
- Up to 12Mbps Operating Video Traffic Bandwidth

Hardware Specification

AP-HVC300 One(1) Channel Full HD Video Codec

High
Performance
CPU

High-end
DSP

- High-end Programmable DSP Hardware Architecture
- Camera Spec.
 - CMOS, 2Mega Pixel
 - HD : 1080i/59.94, 1080i/50, 720p/59.94, 720p/50, etc
 - Auto Focus 10 x Optical Zoom, 12 x Digital Zoom
 - Wide Angle Lens for Video Conference Application
 - PELCO-D Control Protocol
 - Position Preset
- Video I/O Interface
 - Composite RCA Out, Component Out, HDMI Out Interface
- Audio I/O Interface
 - Stereo Audio In/Out
- One(1) Port 10/100M Fast Ethernet
- IR Interface for Remote Control(Remocon)
- Power ON/OFF Switch

Hardware Specification

AP-HVC300 One(1) Channel Full HD Video Codec

High
Performance
CPU

High-end
DSP



IR Sensor & Status Indication Area

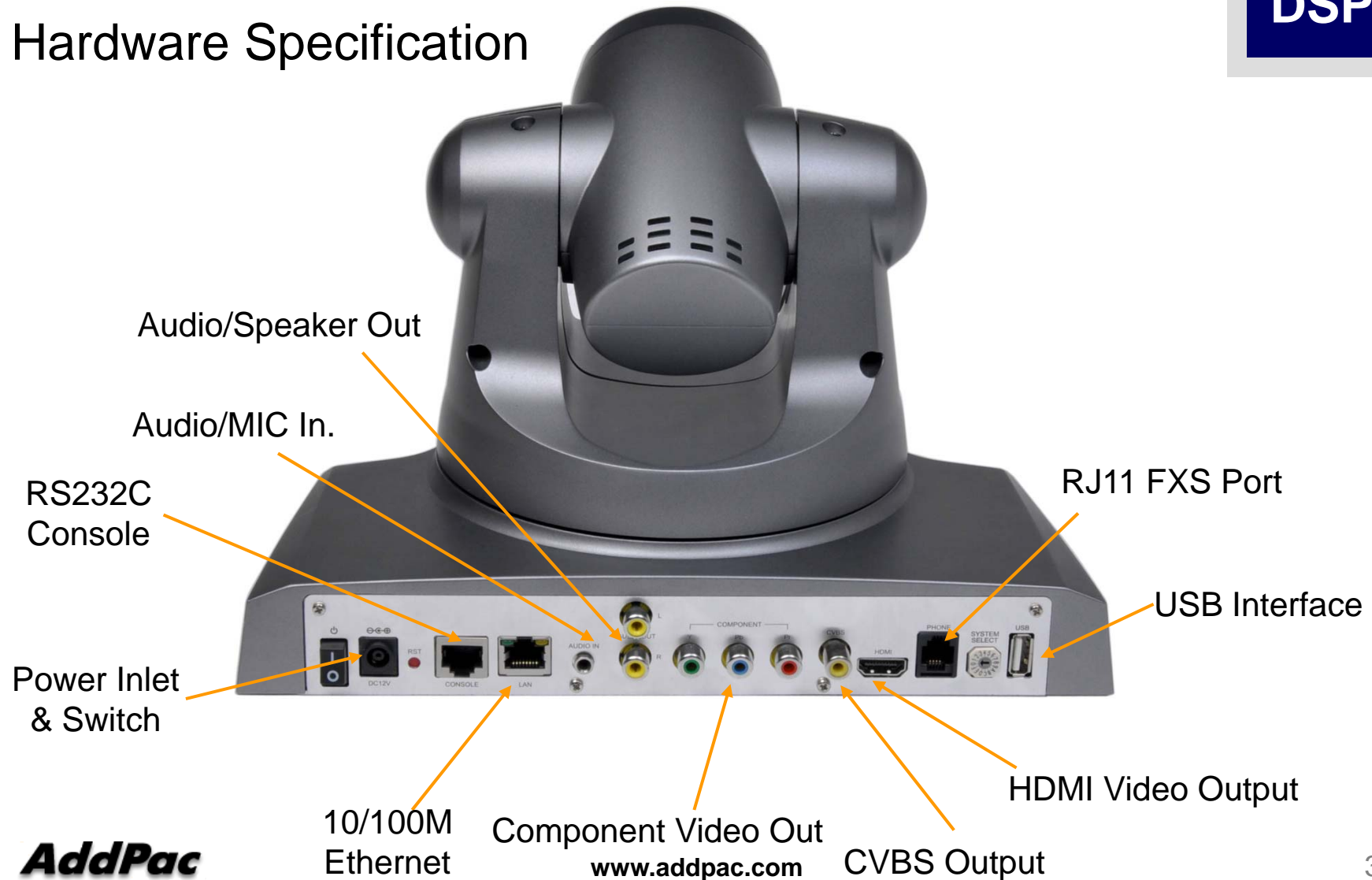
Hardware Specification

AP-HVC300 One(1) Channel Full HD Video Codec

High
Performance
CPU

High-end
DSP

Hardware Specification



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AP-HVC200

One(1) Channel HD Video Codec

Main Features

AP-HVC200 One(1) Channel HD Video Codec

- High-End HD Video Camera Features(Built-In Camera)
- 1/3 Type Solid State Progressive Scan CCD
- PAN/TILT/Zoom Housing Features
- Optical 18 x Zoom Camera
- 1.3Mega Pixel
- Various Video Output Interface
 - HDMI Digital Video Output Interface
 - RCA, Component Video Output Interface
- H.264/MPEG4,etc Video Codec
- SIP/H.323 Signaling Protocol
- Up to 30fps with HD Resolution(H.264)
- Up to 8Mbps Operating Video Traffic Bandwidth

Hardware Specification

AP-HVC200 One(1) Channel HD Video Codec

High
Performance
CPU

High-end
DSP

- High-end Programmable DSP Hardware Architecture
- Camera Spec.
 - 1/3 Type Solid State Progressive Scan CCD
 - HD : 1280(H) x 720(V), 30/25/22.5fps
 - Auto Focus 18 x Optical Zoom, 12 x Digital Zoom
 - Wide Angle Lens for Video Conference Application
 - 1.3 Mega Pixel
 - PELCO-D Control Protocol
 - Position Preset
- Video I/O Interface
 - Composite RCA Out, Component Out, HD-SDI, HDMI Out Interface
- Audio I/O Interface
 - Stereo Audio In/Out Interface
- One(1) Port 10/100M Fast Ethernet
- IR Interface for Remote Control(Remocon)
- Power ON/OFF Switch

Hardware Specification

AP-HVC200 One(1) Channel HD Video Codec

High
Performance
CPU

High-end
DSP



IR Sensor & Status Indication Area

Hardware Specification

AP-HVC200 One(1) Channel HD Video Codec

High Performance
CPU

High-end
DSP

Hardware Specification





Thank you!

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