



VS 012



Feature

- 1-Channel video server with audio support
- True H.264 AVC/MPEG-4 part 10 real-time video compression
- Full D1 resolution at 720x480(NTSC) / 720x576(PAL) in live monitoring
- Full duplex H.264 AVC and JPEG streaming
- Free eMobile s/w for Java mobile phone, Windows Mobile 5/6, and PDA
- Support Network protocol: IP, TCP, UDP, HTTP, SMTP, ESMTTP, NTP, DDNS, FTP, ARP, DHCP, PPPoE, DNS, Telnet
- Support ONVIF

Specifications

H.264 VIDEO SERVER ENCODER			
Model	VS012	Network Interface	10Mbps / 100Mbps , RJ-45
Video Compression	H.264/AVC Main Profile , Level 3 (I / P / B frames) , Motion JPEG	Client PC Requirement	OS : Windows 2000 , Windows XP , Windows Vista Browser : Windows Internet Explore 5.0 or above CPU : Intel Pentium 4 1.8GHz or above RAM : 512MB or above
Resolution	Full D1 : 720 x 480 (NTSC) / 720 x 576 (PAL) CIF : 352 x 240 (NTSC) / 352 x 288 (PAL)	Network Protocols	IP, TCP, UDP, HTTP, SMTP, ESMTTP, NTP, DDNS, FTP, ARP, DHCP, PPPoE, DNS, Telnet
Frame Rate	H.264 : up to 30/25 FPS at full D1 resolution JPEG : 1 FPS at CIF	Mobile Phone and PDA Support	Free eMobile software for Java mobile phone , Windows Mobile 5/6 , and PDA 3GPP H.264 w/ video and audio via Podcast , compatible with CorePlayer
Video Streaming	Simultaneous Motion JPEG and H.264 AVC Main Profile Program Stream (PS) and Transport Stream (TS)	System Integration	HTTP API downloadable
Video Bitrate	3 Mbps to 56 Kbps Frame rate and bitrate controllable on-the-fly VBR / CBR supported	Video Display	VLC : H.264 HTTP , unicast , and multicast streaming ActiveX : for JPEG
CAVLC/CABAC	Supported	OS	Embedded Linux 2.6.9
Security	Base64 HTTP encryption Multiple user access levels with password protection 10 user accounts available	Video Input / Output	CVBS 1.0 Vp-p , 75 Ω , BNC
Users	5 simultaneous unicast users (H.264) 5 simultaneous HTTP users (H.264) 5 simultaneous HTTP users (JPEG) Unlimited users using multicast (H.264)	Audio Input	1.4 Vp-p , 50 Ω , RCA
Motion	15*10 motion detection zone Image upload over FTP and e-mail by motion detection	Control Interface	RS-485
Audio Compression	Mono , MPEG-4 AAC , 48 KHz , 96 Kbps	Alarm Input / Output	2 Input , 2 Output (Relay N.O.)
CPU, Memory	Embedded SoC ARM926 , 166 Mhz , 64MB DDR , 4 MB flash memory	Power Supply	DC 12V $\pm$ 10%
Maintenance	Firmware update via HTTP Firmware available at web site	Power Consumption	3.6 W
		Ambient Operation Temperature	0 $^{\circ}$ C ~ + 50 $^{\circ}$ C (32 $^{\circ}$ F ~ 122 $^{\circ}$ F)
		Operating Humidity	20% ~ 80% (non-condensing)
		Dimensions	130mm (W) x 44mm (H) x 136mm (D)
		Weight	400g

Notice: Please refer appendix 1 to see network function specifications.
Design and specifications are subject to change without notice.



Appendix 1 Specifications

H.264 Network Function	
Video Compression	H.264/AVC Main Profile , Level 3 (I / P / B frames) , Motion JPEG
Resolution	Full D1 : 720 x 480 (NTSC) / 720 x 576 (PAL)
	CIF : 352 x 240 (NTSC) / 352 x 288 (PAL)
Frame Rate	H.264 : up to 30/25 FPS at full D1 resolution
	JPEG : 1 FPS at CIF
Video Streaming	Simultaneous Motion JPEG and H.264 AVC Main Profile
	Program Stream (PS) and Transport Stream (TS)
OSD Image Watermark	Time / Date and Camera Title
Audio Compression	G.711 / AAC
Video Bitrate	3 Mbps to 56 Kbps
	Frame rate and bitrate controllable on-the-fly
	VBR / CBR supported
CAVLC/CABAC	Supported
Security	Base64 HTTP encryption
	Multiple user access levels with password protection
	10 user accounts available
Users	8 simultaneous unicast users (H.264)
	8 simultaneous HTTP users (H.264)
	8 simultaneous HTTP users (JPEG)
	Unlimited users using multicast (H.264)
Motion	15*10 motion detection zone
	Image upload over FTP and e-mail by motion detection
CPU, Memory	Embedded SoC ARM926 , 166 Mhz , 64MB DDR , 4 MB flash memory
Maintenance	Firmware update via HTTP
	Firmware available at web site
Network Interface	10Mbps / 100Mbps , RJ-45
Client PC Requirement	OS : Windows 2000 , Windows XP , Windows Vista
	Browser : Windows Internet Explore 5.0 or above
	CPU : Intel Pentium 4 1.8GHz or above
	RAM : 1GB or above , Independent Display Card
ONVIF	ONVIF 1.0 supported
Network Protocols	IP,TCP,UDP,HTTP,SMTP,ESMTP,NTP,DDNS,FTP,ARP,DHCP,PPPoE,DNS,Telnet,RTP,RTSP,RTCP
Mobile Phone and PDA Support	Free eMobile software for Java mobile phone , Windows Mobile 5/6 , and PDA
	3GPP H.264 w/ video via Podcast , compatible with CorePlayer , iPhone Streamer Player supported
System Integration	HTTPAPI / CMX downloadable
Video Display	VLC : H.264 HTTP , unicast , and multicast streaming
	ActiveX : for JPEG
OS	Embedded Linux 2.6.9
Alarm Input / Output	1 input / 1 Output (N.O. / N.C.)

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