

Specification **VITS-ALPR-v1**

ALPR Software:

Specification	Details
Supporting Operating Systems	Windows NT 4.0, Windows 2000, Windows XP, Windows 2003 or Linux
Type of Plates	Recognition is country independent. Latin, Arabic, Chinese and Cyrillic characters
Image Input	Still image from memory or file. Live image input from Frame Grabber Card
Video Formats	PAL or NTSC
File Types	BMP, JPEG
File Formats	Grayscale, RGB16, RGB24, RGB32, YUV
Recommended Image Size	768 x 288 pixels
Trigger	Trigger is not needed but recommended when recognizing from live video
Processing Time Dependence	Image content (complexity, noise level etc.) Image size Processing power (CPU speed) Parameter settings
Sample Processing Time	50ms @ CPU 2GHz, 768 x 288 pixels (PAL/2)
Output	Plate number in ASCII Plate position Positions of characters Tip list for each characters Confidence levels for each tips
Documentation	Reference Manual in electronic format
Minimum System Requirements	Intel, PIII 1 GHz or higher Intel CPU 128 MB RAM Free PCI / PC104+ slot or USB 2.0 port

Video Capture Card

Specification	Details
Interface	PCI 2.1
AD conversion	Bt878
Input	4 x BNC video, 75 Ohm

Watchdog	Programmable with 1-250 sec. delays
Supported Operating System	Windows NT 4.0, Windows 2000, Windows XP, Windows 2003 or Linux
Video Formats	PAL or NTSC (75 W, 1 Vp-p)
Video Framing	Full, Field, Half @ any / odd / even
Image Output	Memory, file
File Types	BMP, JPEG
File Formats	Grayscale, RGB15, RGB16, RGB24, RGB32, YUV422
Documentation	Reference Manual in electronic format
System Requirement	Free PCI slot with Bust Mastering support
Power consumption	Approx. 450mA

ALPR Camera

Specification	Details
Imaging device	1/3" interline transfer Exview HAD CCD
Picture elements	795x576
Sensing area	6.3mm (H) x 4.7mm (V)
Scanning system	625 lines, 2:1 interlaced
Horizontal resolution	570 TV lines
S/N ratio	48dB AGC OFF
Synch system	Internal
Output signal	PAL 1Vp-p 75 Ohm (NTSC optional)
Shutter time	1:100 000 s for even fields 1:10 000 s for odd fields
Infra wavelength	850 nm
Pulse power	RG 59 coaxial
Power consumption	20-40V DC or 15-28V AC (50-60Hz) 25W (including IR flash and heating),

	reverse polarity protection
Internal heating	Automatic with thermostat
Operation Temp	-20°C - +65°C
Additional heating for lower temp.	Optional
Weight	net: 4.5 kg, gross: 6.0 kg
Dimensions (without bracket)	245 x 175 x 195 mm
IP class	IP 65
Power supply unit	Optional
External connection box	Optional

ALPR/DVR Computer

Specification	Details
DVR Software	Windows XP, Windows 2003 or Linux
Mother Board	Intel Micro ATX with Case
Chip Set	Intel 915GL Express Chipset
Processor	Intel P4 3.0 GHz
Graphics	Intel Graphics Media Accelerator
Bus Support	800/533 MHz System
Hard Disk	250/500 GByte SATA Drive
Memory Support	Dual Channel DDR 400/333 MHz
Memory	1 GByte
Power Supply	250/400 Watts 110/220V
External Ports	4/8 USB 2.0 Ports
Peripherals	CD-RW
Network	Onboard 10/100 Connection

Note: The above specifications can change according to requirements and availability.

Please contact Wally@USSecTech.com for more info. Thanks.