



Fitivision Technology Inc.

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Wireless/Wired Pan-Tilt MPEG4 Network Camera

Model No.: CS1300 series

Draft External Specification

Release 0.1

Nor. 29,2006



1. Revision History

Date	Release	Author	Description
11/29/2006	0.1	YP Chen	• Primarily Release
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2. Ordering Information

Model No.	Model Description	Wireless	Two-way Audio	USB port	GPIO
CS1300	Pan-Tilt MPEG4 Network Camera		•	•	•
CS1310	Wireless Pan-Tilt MPEG4 Network Camera	•	•	•	•



3. Specification

3.1. Specification

Image Sensor	
Image Sensor	1/4" Color CMOS Sensor
Resolution	640x480
Minimum Illumination	0.5 LUX @F2.0
Lens	
Lens Type	Board Lens
Aperture (F/No.)	2.8
Focus Length	4.6mm
View Angle(Diagonal)	55 degree
Image Processing	
Compression	MPEG4/MJPEG dual streaming
Auto Exposure Control	Yes
Auto White Balance	Yes
Auto Gain control	Yes
Image Resolution and Frame rate	VGA (640 x 480) : 30 fps QVGA (320 x 240) : 30 fps QQVGA (160 x 120) : 30 fps
Multi-profile	3 profiles simultaneously
System	
Network Processor	ARM9 Base
System ROM	8MByte NOR Flash
System RAM	32MByte SDRAM
Power	DC5V
Power Consumption	< 10 watts
Environment	Operation: Temp: 0 ~ 45 Humidity: 20% ~ 85% non-condensing Storage: Temp: -15 ~ 60 Humidity: 0% ~ 90% non-condensing
Approvals	FCC/CE class B
Audio	
Audio in	Internal Omni-directional Microphone Sensitivity: -48dB +/- 3dB



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	Freq Response: 50~16000Hz
Audio out	External output to active speaker ; Mono
Audio Codec	ADPCM/AMR
Communication	
Ethernet	One RJ45 port; IEEE 802.3u compliant 10/100 Mbps Fast Ethernet with Auto-MDIX
Wireless	IEEE802.11b/802.11g Wireless LAN
Supported Protocols	TCP/IP, UDP, ICMP,DHCP,NTP,DNS,DDNS,SMTP,FTP,HTTP,HTTPS, Samba, PPPoE, UPnP, RTP,RTSP,RTCP
Pan-tilt	
Pan Range	+170 ~ -170 degree
Tilt Range	+85 ~ -15 degree
Preset positions	8 positions
LED and Button	
Power LED	Orange Color
Link/act. LED	Green Color
Reset button	Push and hold over 5 sec will be Factory reset
Others	
USB Port	One Type A receptacle Connector USB 1.1 Host port
USB dismount button	Push and hold over 3 sec will be dismount USB device
GPIO	1 in/1 out
Antenna	External Dipole Antenna



3.2. Feature

Image setting	Brightness Sharpness Saturation
Upside down and Mirror	Yes
Digital Zoom	4x
Frame rate setting	7 levels setting : 1,3,5,7,15,20,30 fps (60Hz frequency) 1,3,5,7,15,20,25 fps (50Hz frequency)
Compression Ratio Setting	5 levels setting : Lowest ,Low ,Medium,High ,Highest
3GPP supported	Yes
IP Setting	Static IP Address DHCP PPPoE
Email	Support SMTP mail Scheduling Two destination email account
Time Management	Manual Time Setting Time Server and NTP Support Real Time Clock
Event Management	Events Triggered by Motion detection or according to schedule or GPIO Image Upload/Send over email ,FTP Trigger GPIO out Recording Video file to PC, Network Storage, USB Flash Disk
FTP Upload	Scheduling
Motion detection	3 scalable windows
System Management	Web Based Administration Application Software
Device Configuration	Backup/Restore to/from Configuration file
User Administration	64 User account max. and Password protected Authorization : General User just View video only. Administrator have View video and All configuration setting.
Wireless Security	WEP 64/128 bit



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	WPA (TKIP) WPA2
System log	100 items (max) store in SDRAM
Reset Function	System reboot button. Reset all configuration to factory default values button.
Browser	Internet Explore 6.0 above Firefox (MJPEG mode only) Safari (MJPEG mode only)
API	For developing application software

3.3. Software

Supported OS	Windows 2000/NT/XP/Vista
Application Software	View channel:16 CHs
	Record
	Playback
	Motion detect
	Audio support
	Backup/Restore to/from Configuration file
Smart Setup Wizard	Step by step guide user to setup Supported on-line help illustration