



MEL's LP1000 is an advanced 3G video & audio transmission OEM board that is designed to be integrated into stand alone camera systems and transmit video images over the mobile network. LP1000 operates through cellular 2.5G & 3G networks including WiFi. The LP1000 board can offer your system high quality low latency video & audio that can be viewed from any remote computer with access to the internet. Users are able to dial in from remote and access live images from the field or review and download high quality stored digital footage that was previously recorded on the internal hard drive. In addition any camera with RS232 RS485 PTZ capabilities that is connected to the LP1000 board, can be fully controlled remotely. LP1000 advanced software allows the user to modify from remote any system specifications without the need to get near the device.



Highlights

- 1 channel for video & audio
- Real time high quality video over narrow bandwidths
- GPRS, 3G, WiFi, ADSL
- Can be viewed from any PC or laptop,
- RS232 & RS485 communication for PTZ control
- Integrated 250GB or 500GB hard disk
- Archived video can be remotely viewed or downloaded
- Alarm input & relay output.
- Advanced Video Motion Detection

LP1000 Technical Specifications



Video compression	H.264
Compress resolution	PAL 176x144(QCIF), PAL 352x288(CIF) PAL 704x288(2CIF), PAL 528x384(DCIF) PAL 704x576(4CIF) NTSC 176x120(QCIF), NTSC 352x240(CIF) NTSC 704x240(2CIF), NTSC 528x320(DCIF) NTSC 704x480(4CIF)
Video input	1 ch BNC
Frame rate	PAL: 25 FPS; NTSC: 30 FPS
Audio input	1 ch BNC
Audio compression	Ogg Vorbis 16Kbps
Stream type	Video stream or Video& Audio stream
Bit rate	32Kbps 2Mbps (Self definition)
Audio output	1 ch RCA (Linear Electrical Level, 600Ω)
PTZ control	RS 485 dry node (T+, T-)
Power supply	DC 12V
Power consumption	Less than 5W
Communication Specification	
PCMCIA & USB	HSDPA / EVDO / UMTS / EDGE
General	
AC Adapter	External 5VDC / 2A
Working temperature	10°C -- +55°C (14F to 130F)
Working humidity	10% ~ 95% (non condensing)
WLAN Characteristics	
Standard:	IEEE 802.11b/g
Frequency Range	2.4~2.497 GHz
Data Rate	1,2,5.5,11,18,24,36,48,54 Mbps
RF Output Power	13 ~ 15dBm
Effect Range WiFi	Indoor: Up to 50m Outdoor: up to 100m
WiFi Security WiFi	WEP Key None / 64 / 128 bits, WPA / WPA2
LAN Characteristics	
Standard	IEEE802.3 IEEE802.3u
Data Rate	10/100Mbps
Dimensions	100x94x24mm
Weight	150gr

Technical specifications liable to change at the discretion of manufacturer



Middlemarch Business Park, Siskin Drive, Coventry, CV3 4FJ, UK
Tel: +44 (0) 24 7630 6606 Fax: +44 (0) 24 7630 6100
www.melsecuresystems.com