AVTECH

AVL683 / 681

Professional 19" H.264
LCD Network DVR

■ Features

- **Excellent Video Quality**
  True color 19" A grade LCD screen for video display
- **H.264 Format**
  Small file size for longer recording time and faster network transmission
- **Easy and Modular Installation Design**
  - Quick installation and more expandable for different demand
  - Optional wall-mounted bracket (VESA 100mm supported)
- **Easy to Use**
  User friendly Graphical OSD and multi-language design make you easy to set up and program
- **Multi-Tasking**
  Live display, recording, playback, backup & network operation simultaneously
- Records up to 120 IPS (NTSC)/100 IPS (PAL) at CIF resolution
- **Simple Backup** via a USB flash drive and network
- Built-in speaker
- Support IR remote control
- 4 camera inputs and 4 audio inputs (AVL683 only)
- Support DVR / PC Display Mode selectable (AVL683 only)

■ Specifications

LCD Panel	AVL683	AVL681
Size	18.95" diagonal	
Resolution	1440 x 900 pixels	
Aspect Ratio	16:10	
Peak Brightness	300cd/m^2 (Typical)	
Contrast Ratio	1000 : 1 (Typical)	
Number of color	16.7M	
Response time	5 ms (Tr+Tf)(Typical)	
Viewing Angle	85/85/80/80 (CR $\geq$ 10)	
Powerful Scaling and Zooming Engine (Down/Up Scale Support)	YES	
Color Temperature Adjustment	YES	
On-Screen OSD function	YES	
Viewing Aspect Ratio	Full Screen (16:10)	
IR Control (RCU)	YES	
Built-in Speaker	Built-in 1 speaker (1 Watt)	
D-Sub Input	1 D-Sub Input (VGA 15 Pin)	

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DVR	AVL683	AVL681
Video System	NTSC / PAL (auto detection)	
Video Compression Format	H.264	
Video Input	Four channels (composite video signal 1 Vp-p 75Ω BNC)	
Audio Input	Four audio inputs	One audio input
LCD Display Mode	Default / Normal / Full LCD display mode selectable	
Maximum Recording Rate (Frame)	720×480 pixels with 30 IPS <NTSC> / 720×576 pixels with 25 IPS <PAL>	
Maximum Recording Rate (Field)	720x240 pixels with 60 IPS <NTSC> / 720×288 pixels with 50 IPS <PAL>	NO
Maximum Recording Rate (CIF)	352×240 pixels with 120 IPS <NTSC> / 352×288 pixels with 100 IPS <PAL>	
Multilingual OSD	YES	
Image Quality Setting	Super Best, Best, High and Normal	
Hard Disk Storage	Accommodates 1 SATA HDD (capacity up to 2TB)	
Quick Search	Time / Event search mode	
SATA Interface	Built-in	
Recording Mode	Manual / Timer / Motion / Alarm / Remote	Manual / Timer / Motion / Remote
Multiplex Operation	Live display / record / playback / backup / network operations	
Motion Detection Area	16 × 12 grids per channel	Three pre-defined detection areas
Motion Detection Sensitivity	Four adjustable parameters for accurate detection	High / Medium / Low
Pre-alarm Recording	YES (8 MB)	
Backup Device	USB 2.0 flash drive / Network	
Web Transmitting Compression Format	H.264	
Ethernet	10/100 Base-T. Supports remote control and live view via Ethernet	
Web Interface	Licensed software "Video Viewer" / Internet Explorer or Mozilla Firefox web browser / QuickTime player (20 users access simultaneously)	
	*Operating System: Windows Vista / XP / 2000; Apple Mac	
Network Protocol	TCP/IP, PPPOE, DHCP and DDNS	
IR Remote Control	YES (IR receiver built-in)	
PTZ Control	YES	NO
Alarm Input / Output	Four inputs, one output	NO
DVR / PC Display Mode	Switchable	NO
Key Lock (Password Protection)	YES	
Video Loss Detection	YES	
Camera Title	Supports up to six letters	
Video Adjustable	Hue / Saturation / Contrast / Brightness (0~255)	Hue / Saturation / Contrast / Brightness (15 levels from –7 to +7)
Date Display Format	YY/MM/DD, DD/MM/YY, MM/DD/YY, and Off	
Daylight Saving	YES	
System Recovery	System auto recovery after power failure	
Power Consumption	22W	
Dimensions (mm)	443(L) x 379.2(H) x 195.2(D)	
Optional Peripherals	Keyboard controller	NO

*The specifications are subject to change without notice.

■ Dimensions (unit: mm)