

## LCD-19 Combo DVR



## Specifications

| Model            | LCD-1904   | LCD-1908                         | LCD-1916                          |
|------------------|--|----------------------------------|-----------------------------------|
| <b>System</b>    |  |                                  |                                   |
| Main Processor   | High performance embedded microprocessor   |                                  |                                   |
| Operating System | Embedded LINUX   |                                  |                                   |
| System Resources | Pentaplex function: live, recording, playback, backup & remote access                              |                                  |                                   |
| Control Mode     | Front panel, USB mouse, IR remote control, Keyboard, Network                                       |                                  |                                   |
| <b>Video</b>     |  |                                  |                                   |
| Input            | 4 channel, BNC<br>(1.0Vp-p, 75?)<br>1 VGA for external PC input                                    | 8 channel, BNC<br>(1.0Vp-p, 75?) | 16 channel, BNC<br>(1.0Vp-p, 75?) |
| Standard Output  | NTSC(525Line, 60f/s), PAL(625Line, 50f/s)<br>1 TV, BNC(1.0Vp-p, 75?), 1 HDMI, Built-in 19 inch LCD |                                  |                                   |
| <b>Audio</b>     |  |                                  |                                   |
| Input            | 4 channel, BNC(200-2800mV, 30KΩ)<br>Channel 1 for bidirectional-talk input synchronously           |                                  |                                   |
| Output           | 1 channel, BNC(200-3000mV, 5KΩ)  |                                  |                                   |
| <b>Display</b>   |  |                                  |                                   |
| Display Split    | 1/4  | 1/4/9                            | 1/4/9/16                          |
| Resolution       | 1280×1024, 1280×720, 1024×768, 800×600, 1366×768   |                                  |                                   |
| Tour Display     | Support  |                                  |                                   |
| Privacy Masking  | 4 self-defined four-sided zones for privacy masking for each camera                                |                                  |                                   |

|                                    |   |  |   |
|------------------------------------|---|--|---|
| OSD                                | Camera title, time, video loss, camera lock, motion detection, recording  |  |   |
| <b>Recording</b>                   |   |  |   |
| Video/Audio Compression            | H.264 / G.711   |  |   |
| Image Resolution                   | D1/4CIF(704×576/704×480) / CIF(352×288/352×240) / QCIF(176×144/176×120)   |  |   |
| Encoding Speed                     | Main Stream: Channel 1:<br>D1/CIF/QCIF (1~25/30fps);<br>Channel 2~4: CIF/QCIF<br>(1~25/30fps), D1 (1~6fps)<br>Extra Stream: QCIF(1~25/30fps)                                    | Main Stream: Ch 1:<br>D1/CIF/QCIF(1~30fps);<br>Ch 2~8: CIF/QCIF<br>(1~30fps), D1(1~6fps) | Main Stream: Channel 1 & 9:<br>D1/CIF/QCIF (1~25/30fps); Oth<br>Channel: CIF/QCIF (1~25/30fps)<br>D1 (1~6fps) |
| Bit Rate                           | 32~2048Kb/s   |  |   |
| Image Quality                      | 1~6 level(level 6 is the best, VBR effectively)   |  |   |
| Recording Mode                     | Manual, Schedule(Regular(Continuous), MD(Video detection: Motion detection, Camera blank, Video loss), Alarm, Stop  |  |   |
| Recording Priority                 | Manual >Alarm >MD >Regular  |  |   |
| Recording Interval                 | 1~120 min. (default: 60 min.), Pre-record: 1~30 sec., Post-record: 10~300 sec.  |  |   |
| <b>Video Detection &amp; Alarm</b> |   |  |   |
| Trigger Events                     | Recording, PTZ movement, Tour, Alarm, Email   |  |   |
| Motion Detection                   | Zones: 396(22×18), Sensitivity: 1~6 (level 6 is highest)  |  |   |
| Video Loss & Camera Blank          | Support   |  |   |
| Alarm Input                        | 4 channel   | 8 channel  | 16 channel  |
| Relay Output                       | 3 channel   |  |   |
| <b>Playback &amp; Backup</b>       |   |  |   |
| Playback Channel                   | 1/2/4/All   |  |   |
| Search Mode                        | Time/Date, Alarm, Motion Detection & Exact search (accurate to second)  |  |   |
| Playback Functions                 | Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom(any size) |  |   |
| Backup Mode                        | Flash drive/ USB HDD/ USB CD/DVD-RW / Network download  |  |   |
| <b>Network</b>                     |   |  |   |
| Ethernet                           | RJ-45 port (10/100M)  |  |   |
| Network Functions                  | TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Email, Alarm Server  |  |   |
| Remote Operation                   | Monitor, PTZ control, Playback, System setting, File download, Log information  |  |   |
| <b>Hard Disk</b>                   |   |  |   |
| Hard Disk                          | 1 SATA port, Max 2TB per HDD supported, 3.5" SATA HDD   |  |   |
| Space Occupation                   | Audio: 28.8MB/H, Video: 56~500MB/H  |  |   |
| HDD Management                     | Hard disk hibernation technology, HDD faulty alarm  |  |   |
| <b>Auxiliary Interface</b>         |   |  |   |
| USB Interface                      | 2 ports, 1 for mouse control, 1 for backup  |  |   |
| RS232                              | OST keyboard, PC communication  |  |   |
| RS485                              | PTZ control   |  |   |
| <b>Environmental</b>               |   |  |   |
| Power Supply                       | AC 100~240 V, 50/60 Hz  |  |   |
| Power Consumption                  | 25W   |  |   |
| Working Environment                | -10~+55°C / 10~90%RH / 86~106kpa  |  |   |
| Dimension                          | 490mm×70mm×370mm(W×D×H)   |  |   |
| Weight                             | 3.0KG(without HDD)  |  |   |