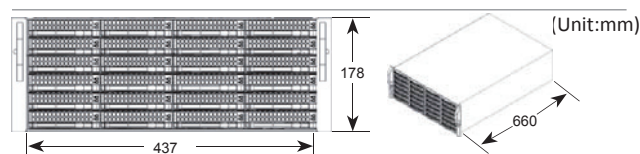**2013**

# Creativity Progress & Excellence

Network Product

**ϟLILIN**

## Features

- LILIN IP cameras, fast domes, and DVRs/NVRs are supported.
- Up to 108 channels 1080p/3M/5M network streaming, recording, and display
- 4U 19" chassis, built-in hardware RAID system, support up to 24 x 3.5" hot-swap HDDs.
- Failover, video achieve, and SmartSearch support.
- Dual streamings decoding mode supported
- 6 monitors support, up to 36 channels video display.
- Support multi-channels playback for remote or local.
- Built-in dual port Gigabit Ethernet.

| | |
|---|---|
| CMX 108 CH | H.264 | DisplayPort | HDMI | ROI | Motion | Digital Zoom | Web viewer |
| Mobile | Alarm | Grouping | IP/DVD Recording | DVD/RW | USB | Retail Transportation | eMap |
| GUI | Drag-n-Drop | Fail over | Archive | Raid | Redundant power | File Backup | |

## Dimensions  178 x 437 x 660mm

(Unit:mm)

178
437
660

| CMX 108CH Recorder | |
|---|---|
| Model No | **CMX1108** |
| Network Video Support | LILIN IP camera, LILIN IP speed dome, LIIN DVR/NVR, CMX live server |
| Network Video Input | Up to 108 channels at 1080P/3M/5M |
| Network Video Format | H.264 / MJPEG |
| Max Network Throughput | Max. 500 Mbps download and 500 Mbps upload speed |
| RAID Support | Hot-swap 3.5" SATA HDDx24 |
| **Recording** | |
| Schedule | 7 days x 24 hrs time table, recording mode configurable |
| **Recording Mode** | |
| Recoring Mode | Alarm, motion, schedule, and manual |
| Recording Speed | Max 5MP 12 FPS, 3MP 15 FPS, 2MP at 30 FPS, and ROI recording supported |
| Recording Resolution | 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240 |
| Alarm Recording | Face detection, audio detection, tamper, motion, DI alarm detection, and ANPR (optional) |
| Audio Recording | Yes |
| Circular Recording | Yes / size customizable |
| Limited Recording | Yes / days customizable |
| Video Archiving | Yes |
| Low Bitrate Recording | Yes |
| Remote Network RAID | Yes |
| **Playback** | |
| Search | Date, time, event, POS SmartSearch, motion SmartSearch, plate search (optional) |
| Resolution | 2592x1944, 2048x1536, 1920x1080, 1280x1024,1280x768, (720x480 / 720x576), 320x240 |
| Video Speed | Max. 2592x1944 at 12FPS, 2048x1536 at 15FPS, 1080P at 30FPS |
| Playback Speed | FR: 2X, 4X, 8X, 16X 32X / FF: 2X, 4X, 8X, 16X, 32X |
| Multi-Playback | FR: 2X, 4X, 8X, 16X 32X / FF: 2X, 4X, 8X, 16X, 32X |
| Remote CMX Live Video | Yes |
| Remote DVR/NVR Video | Yes |
| **Video Input** | |
| Support Quantity | Max. 108 channels |
| Camera Name | 20 characters |
| Channel Editing | Mouse drag-n-drop |
| Digital Zoom | Yes, ePTZ supported |
| Grouping | User grouping authentication assignable for eMap, and CMX Software HD 3.6 |
| Remote Monitoring | Yes |
| **Video Output** | |
| DisplayPort Output | x 4 |
| DVI Output DVI | x 2 |
| TV Wall | 6 monitors, max. 108 channels |
| Split Screen | 4, 9, 16, 36 |
| Dual Stream Technology | Multi-channel displays D1 and full screen displays 1080P/3M/5M resolution |
| Multi-Screen | 6 screens |

| CMX 108CH Recorder | |
|---|---|
| **Video Archiving** | |
| Video Archiving | Individual camera configurable, scheduling and instant archiving |
| **Alarm / Event** | |
| Alarm management | Alarm popup for full screen, PC sound, redirect IP Camera's digital output, eMail snapshots, redirect a PTZ preset recall |
| Alarm Recording | Pre-alarm:1 – 5 seconds and post-alarm: 5 – 50 seconds |
| Event | Various alarm log including video loss, stop recording, schedule, logon, operation log |
| Digital Output | Controllable via IP cameras |
| **Accessories** | |
| Keyboard | PIH-931D keyboard controllable via RS-485 for PTZ, ePTZ, and ROI features |
| Audio | PCM, two-way audio, audio recording |
| POS/barcode scanner | RS-232 / PS/2 |
| Protocols | ARP / TCP/IP / HTTP / SMTP / DNS / PPPoE |
| Mobile Support | iPhone and Android |
| IPScan | Supported, easy-to-setup for IP address |
| **Hardware** | |
| CPU | Intel® Xeon® processor E5-2620 |
| RAM | 4GB DDR3-1333 x2, extendable up to 128GB |
| Chipset | Intel® PCH C602 |
| Display Card | AMD HD 7970 |
| USB Port | USB 2.0x6 |
| Slim DVD-ROM | x1 |
| System Fan | 80mm hot-swap PWM fans x 3 80mm rear exhaust fans x 2 |
| RAID Control | LSISAS2108 RAID / On Chip |
| RAID Mode | RAID 0, 1, 5, 6, 10, 50, and 60 |
| OS HDD | 120GB SATA3 SSD *1 |
| **Other** | |
| Watch Dog | CMX failover / CMX monitoring station |
| DST | Daylight saving time by Windows OS |
| Language | English, Chinese, Spanish, French, Italian, Japanese, Russian, Portuguese, Simplified Chinese, Czech, Slovene, German |
| OS | Windows 7 Professional |
| **Power and Environment** | |
| Power Supply | 920W high-efficiency (94%+) AC Input 100-240 V, 50-60 Hz, 11-4.5 Amp |
| Redundant Power Supply | Redundant power supplies with PMBus |
| Operating Environment | Operating temperature range 5°C – 35°C (41°F - 95°F), Non-operating temperature range -40°C – 70°C (-40°F – 158°F)Operating relative humidity range 8% – 90% , (non-condensing), Non-operating relative humidity range 5% – 95% (non-condensing) |
| Dimension (HxWxD) | 178 x 437 x 660mm |
| Color | Black |
| Weight | 79.3 lbs (36kg) |

*LILIN*