



Central Management System



FCS-9900

S/W Version: 1.6

Overview

The LevelOne Central Management System (CMS) is a powerful system designed for large-scale and high level enterprise projects which takes traditional system out of the control room through Internet access. The network-based key operation system can manage unlimited combinations of analogue and network cameras worldwide, unlimited work stations throughout different locations. CMS can manage all LevelOne product lines including CamSecure Pro, NDVR Hybrid and forthcoming new NVR series. It has the most powerful alarm management system and can control unlimited matrices or viewing consoles in the centralized control room. CMS is based on an open architecture Client-Server Structure that can be expanded as your business grows with no limits.

Map Centric Operation

The controls and operation of CMS is clear cut and map centric. CMS functions are accessible directly from the E-map. Security operator can open live video window, instant playback window, remote backup, query alarm, trigger digital output devices, check system status and more.

Instant Alarm Response

Real-time alarm management supports up to 45 alarm types, 6 video analytic events, alarm priorities and independent alarm coverage and data mining tool. Alarm Guide provides operators an instant know-how to respond to different alarm immediately. CMS Matrix offers a video wall for users to get video and manage alarm efficiently and instantly.



Key Features

- Client-server distributed architecture & centralized management
- Access and control unlimited cameras, I/O devices, operator clients and display matrices
- Unlimited layers of E-map indicates cameras, I/O devices and server locations
- Multiple servers can be located at multiple sites
- H.264, MPEG4, MJPEG, and MxPEG video compressions
- Real time alarm management and instruct the operator to respond
- Unlimited Matrix display wall that stream and display live video from CamSecure Pro
- Supports latest Windows OS included Windows 7 64 bit and Windows 2008 R2 64 bit

Related Product



FCS-9464
CamSecure Pro



FCS-9448
CamSecure Pro

Technical Specification

CMS Component

Alarm Database

SQL Server 2005 Express as database to store all alarms

Central Server

Store the site map data by hierarchical structures
Directly connect to surveillance server to get alarm notifications

Provide TCP service for CMS client access through network
Registers different time zones into UTC format

Notification

Email
SMS Message

E-Map

Map Tree

Unlimited level of site map

Map Format

BMP, GIF, JPEG, PNG and TIFF

Surveillance Servers

New / Edit / Delete / Disable or Enable

Cameras

New / Edit / Delete / Disable or Enable

Navigation Operation

Zoom In / Zoom Out / Drag & Drop

Indicators

Indicators for maps, servers, cameras, I/O devices and POS
Indicator icons support image format with alpha channel (TIFF)
Display camera coverage
Easy to find device on Map and Matrix View

Instant Status Notification

Shows corresponding icon nearby device icons to notify users of the events automatically

Operation

Open Last Alarm
Open Live Video Window
Open Instant Playback Window
Backup Recorded Video
View Server Status Report
Search POS transaction data

Pop-up Window

Live popup window to use audio/talk functions
Show live video with PTZ control panel
Set stream profile to change video quality
Snapshot and POS transaction overlay
Remote playback for replay recorded video and audio

Alarm Management

Alarm Type

Video Signal Abnormal
Digital Input Trigger (Normal / Emergency)
POS Alarm Trigger
Network Abnormal
DVR / NVR Abnormal
Motion / Missing / Foreign / Focus / Blocked
Low Disk Space
CPU temperature High
Fan Speed Low

Action when Alarmed

Instant notifications on map and event list
Go to specific map layer
Play sounds
Automatically show live video on popup window
Automatically show live video on live matrix system
Send SMS
Send Email

Viewing

Filter tools to survey existing alarm history

Pop-up

Show a specific alarm with image preview
Print a specific alarm with image preview

Advanced Alarm Search

Provides a comprehensive set of filters to search events by Alarm Name, Owner Name, Alarm Status, Alarm Priority and Date / Time period

Matrix System

Live Viewing

Up to 64 concurrent cameras

Grid Type

Standard Screen – 1 / 4 / 9 / 12+1 / 16 / 25 / 36 / 49 / 64
Wide Screen – 1+3 / 2+4 / 3+8 / 12 / 48

Pop-up

Shows the live video associated with alarms

PTZ Panel

Floating PTZ panel to manipulate cameras

Joystick Support

Control PTZ camera by Joystick via CMS Client

Remote Playback

Up to 16 concurrent cameras
1 / 4 / 9 / 16 Grid Type
Export to image / video / print
Smart Search by specific event

- General Motion
- Missing Object
- Foreign Object
- Lose Focus
- Camera Occlusion

User Group Authority

Alarm Management
View Alarm Image
View Live Video
View Recorded Video
PTZ Control
Control Digital Output
Remote Desktop
View and Search POS transaction
Audio / Talk
Access Devices

User Authority

User/Password
Phone Number
Email / Phone number
User Group
Coverage
Matrix View Groups

Support Language

Chinese (Simplified)
Chinese (Traditional)
Danish
English
Finnish
French
Hebrew
Hungarian
Japanese
Korean
Portuguese (Brasil)
Russian
Serbian
Spanish
Thai

Technical Specification

System Requirement

Setup A: Install all components on one Server (PC)

	CPU	RAM	Hard Disk	Display	LAN	OS
One Server	Intel Core 2 Quad Q9550 @ 2830MHz	2GB or above	250GB or above	ATI X4350 or nVidia GeForce 9500 or above	Gigabit LAN	MS Winodws XP Pro SP3 / Vista / 2003 / 7 / 2008 R2

Setup B: Install components on four Server (PC); CMS Client and Matrix on PC1, CMS Server on PC2, SQL Server on PC3 and another Matrix on PC4

	CPU	RAM	Hard Disk	Display	LAN	OS
PC1	Intel Core 2 Quad Q6660 @ 2400MHz	2GB or above	250GB or above	ATI X4350 or above	Gigabit LAN	MS Winodws XP Pro SP3 / Vista / 2003 / 7 / 2008 R2
PC2	Intel Core 2 Duo E4500	1GB or above	250GB or above	ATI X1600 or above	Gigabit LAN	MS Winodws XP Pro SP3 / Vista / 2003 / 7 / 2008 R2
PC3	Intel Core 2 Duo E4500	1GB or above	250GB or above	ATI X1600 or above	Gigabit LAN	MS Winodws XP Pro SP3 / Vista / 2003 / 7 / 2008 R2
PC4	Intel Core 2 Quad Q6660 @ 2400MHz	2GB or above	250GB or above	ATI X4350 or above	Gigabit LAN	MS Winodws XP Pro SP3 / Vista / 2003 / 7 / 2008 R2

Supported Camera Models

	IP CamSecure Pro Mega Series
Model name	FCS-94 04/08/16/25/36/64
Camera Support	
LevelOne	FCS-0010, FCS-0020, FCS-0030, FCS-0040, FCS-1010, FCS-1030, FCS-1040, FCS-1050, FCS-1060, FCS-1070, FCS-1081, FCS-1081A, FCS-1091, FCS-1101, FCS-1121, FCS-1131, FCS-1141, FCS-1151, FCS-3000, FCS-0031, FCS-3021, FCS-3031, FCS-3051, FCS-3061, FCS-3071, FCS-3081, FCS-3091, FCS-4x00, FCS-4020, FCS-7011, WCS-0010, WCS-0020, WCS-0030, WCS-0040, WCS-1090, WCS-2010, WCS-2030, WCS-2040, WCS-2060, WCS-2070, FCS-4010, FCS-5011, FCS-5030, FCS-5041, FCS-5051, FCS-7111, FCS-8005, FCS-8006
ACTi	SED 2100, SED 2120, SED 2140, SED 2400, SED 2420, SED 2600, SED 2610, SEM 1110, ACM SERIES, CAM 5300, CAM 5130, CAM 5140, CAM 5150, CAM 5500, CAM 6100, CAM 6200, CAM 6500, CAM 6510, CAM 6520, CAM 6600, CAM 7100, CAM 7120, CAM 7200, CAM 7220, CAM 7300, CAM 7320, CAM 6620, SED 2310, SED2320, CAM 5200, CAM 5XXX, CAM 6220, CAM 6XXX, CAM 7XXX, SEM 1XXX
Arecont Vision	AV1300, AV2000, AV2100, AV3100, AV3130, AV5100, AV8180, AV8360
ATLANTIS LAND	A02-OIPCAM1, A02-OIPCAM2, A02-OIPCAM3, A02-IPCAM5, A02-IPCAM6, A02-IPCAM7, A02-IPCAM8, A02-IPCAM9, A02-IPCAM10, A02-IPCAM11, A02-IPCAM12, A02-IPCAM13, A02-IPCAM14, A02-IPCAM15, A02-IPCAM16, A02-IPCAM17
AXIS	205, 206, 206M, 206W, 207, 207W, 207MW, 209FD, 210, 210A, 211, 211A, 212, 213, 214, 215, 216FD, 221, 225FD, 231D, 232D, 240Q, 241Q, 241QA, 241S, 241SA, 242S, 2460, 233D
D-Link	DCS-6620, DCS-6620G, DCS-5220, DCS-5300, DCS-5300G, DCS-2120, DCS-3420, DCS-3220, DCS-3220G, DCS-2100, DCS-2100G, DVS-104, DVS-301, DCS-900, DCS-G900, DCS-950, DCS-950G
ETROVISION	EVxx10
Hitron	HNCB-E1SN, HNG-E1SAW054, HWD125MN, HECMC4V0C4
FINE	TCP-690, TCP-690DN, TCP-HP930, WB-8211SD, WB-8411, CDV-3V930, TCP-690U, TCP-HP930U, WB-8211SDU, CDV-3V930U, EP-936, EP-908, EP-601, EP-201, EP-221, EP-221DN
IQin	IQeye301, IQeye301m, IQeye301w, IQeye302, IQeye302w, IQeye303, IQeye303w, IQeye501, IQeye511, IQeye601, IQeye602, IQeye603, IQeye701, IQeye702, IQeye703, IQeye705, IQeye751, IQeye752, IQeye753, IQeye755
JVC	VN-C20U, VN-E4(U), VN-C205U, VN-C215U, VN-C655U
Lumenera	le045c, le045c-dn, le075c, le075c-dn, le165c, le165c-dn, le175c, le175c-dn, le259c, le275c, le275c-dn, le375c, le375c-dn, le11059c
MOBOTIX	M10D-Night, M12D-Sec, M12D-IT-DNight, M12D-Sec-Dnight, M12M-Web, M22M-IT, M22M-Sec, M22M-Sec-Night, D12Di-IT, D12Di-Sec
Panasonic	BB-HCM311, BB-HCM331, BB-HCM371, BB-HCM381, BB-HCE481, BB-HCS301, BB-HCM511, BB-HCM515, BB-HCM581, BL-C10, BL-C1, BL-C20, BL-C30, BL-C111, BL-C131, KX-HCM110, KX-HCM280A, WV-NP472, WV-NS324, WV-NF284, WV-NP1000, WV-NP1004, WV-NM100, WV-NP240, WV-NP244, WV-NS202, WV-NW484, WV-NW964
PiXORD	100, 120/126/128, 200/206, 201, 205, 207, 240, 241, 261, 262, 263, 300, 400/42X, 461, 463, 1000, 1401, 2000, 4000, 8504, 405, 405M, 410, 411/412
PLANET	ICA-510, ICA-700, ICA-151W, ICA-151, ICA-750, ICA-107W, ICA-107P, ICA-107
PROBE	IP Fixed Camera, IP PTZ Camera
SAMSUNG	C6475
SONY	SNC-DF40, SNC-DF70, SNC-P1, SNC-P5, SNC-RZ25, SNC-RZ50, SNC-RX550, SNC-CS50, SNC-CS3, SNC-Z20, SNC-RZ30, SNC-CS10, SNC-CS11, SNT-V704, SNC-RX530, SNC-DF50, SNC-DF80
TOSHIBA	IK-WB02A, IK-WR01A, IK-WB21A, IK-WB15A

Supported Camera Models

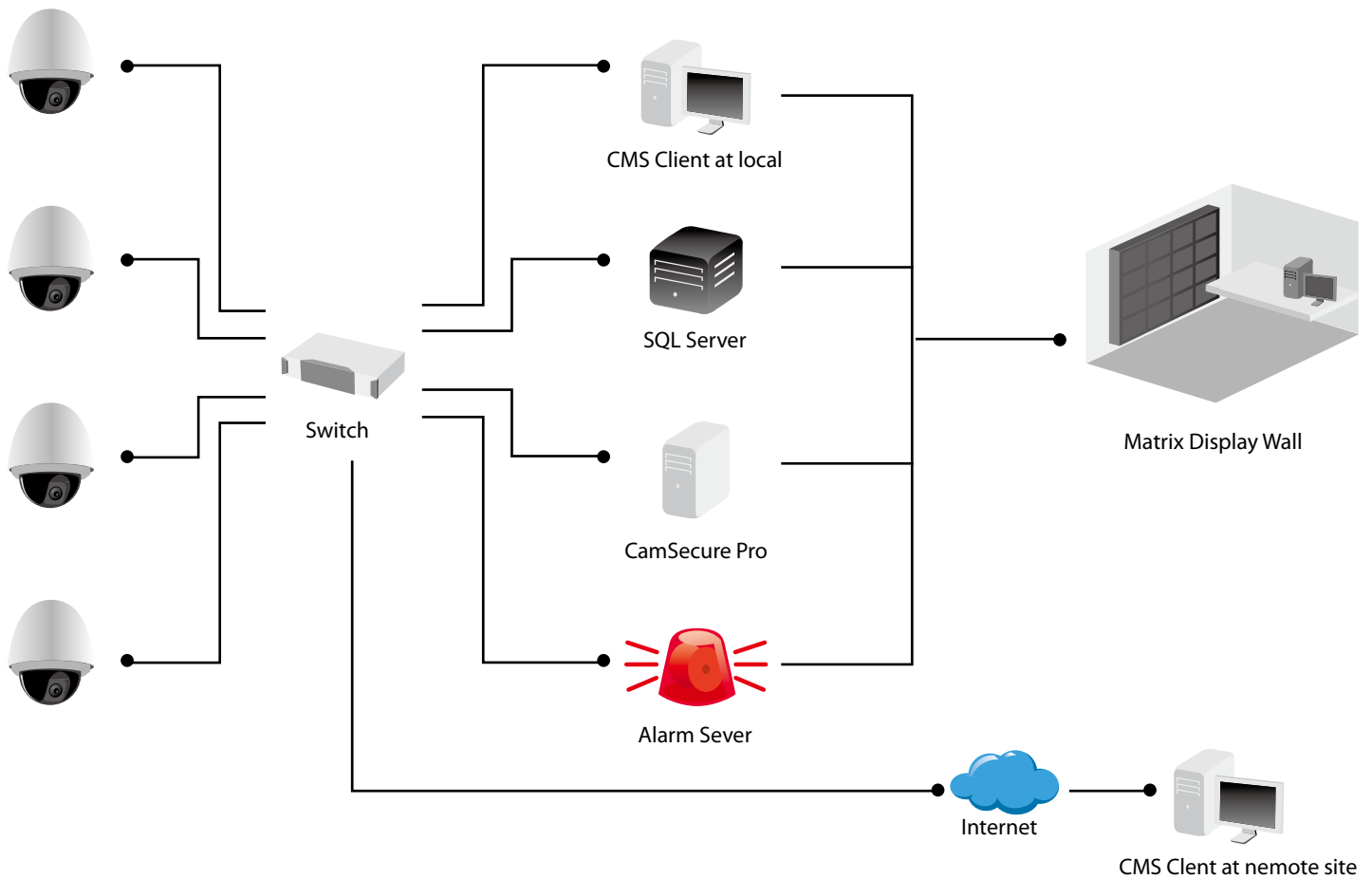
IP CamSecure Pro Mega Series	
Model name	FCS-94 04/08/16/25/36/64
Camera Support	
VIVOTEK	VS 2101, VS 2401, VS 2402, VS 2403, VS 3100, VS 3101, VS 3102, VS 3102-XLTH, VS 3103, VS 3107, VS 3108, VS 6000, VS 6100, VS 6104, VS 7000, VS 7101, SD 6000, SD 6101, SD 61x2, FD 6000, FD 61x1, FD 61x2, TC 5330, TC 5331, TC 5630, TC 5631, IP 21x1, IP 21x2, IP 31x1, TLFN, IP 31x1, IP 31x2, IP 31x7, IP 31x8, IP 3129, IP 3132, IP 3133, IP 3134, IP 3135-PLNX, IP 3135, IP 3136-PLNX, IP 3136, IP 3137, IP 51x2, IP 51x4, IP 5104, IP 5114, IP 5124, IP 5134, IP 6000, IP 61x2, IP 61x4, IP 61x7, IP 6104, IP 6114, IP 6124, IP 6134, IP 7000, IP 71x4, IP 71x7, IP 7135, IP 7136, IP 7137, IP 7151, IP 7152, PT 31x2, PT 31x3, PT 31x4, PT 31x7, PT 31X2, PT 31X3, PT 3134, PT 51x4, PT 5104, PT 5114, PT 5124, PT 5134, PT 6000, PT 61x4, PT 6104, PT 6114, PT 6124, PT 6134, PT 7000, PT 7135, PT 7137, PZ 6000, PZ 61x2, PZ 61x4, IP 7131, IP 7132, IP 7138, IP 7139, VS 7100, FD7131, SD7151, IP7142
ZAVIO	D611E, D611A, D610A, F611E, F611A, F610A, V111T, S610A, F721E, F721A, F720A, F711E, F711A, F710A, F211A, F210A, F212A, F310A, F312A, M210A, M212A, M610A, M612A, F613A, F510E, F510W, F511E, F511W, F711E, F710E, D510E, D511E, M310A, M312A

*Please visit <http://global.level1.com> for the compatible product list.

**This feature depends on the mobile telecom service provided and the mobile phone model. LevelOne does not guarantee that this feature will work in all countries.

***The specification is subject to change. Please visit <http://global.level1.com> for the latest specification.

Product Diagram



Order Information

FCS-9900: Central Management System (Includes 48CH License, 8 I/O

FCS-9900-CH: Per Cam license for CMS

FCS-9900-IO: Per IO license for CMS

FCS-9900-AC: Per Access Control license for CMS

*30 days free trail software is available, please contact our Sales at sales@level1.com