

Features

The GX-PRO-SUPER-CENTER is a integrated surveillance platform with video input, storage, transfer and device management functions designed specifically for digital surveillance applications. The GX-PRO-SUPER-CENTER has adopted audio/video compression and decompression, embedded system, storage, network, and technologies and it is suitable for security surveillance scenarios such as residential areas, buildings, campus, hotels, and shopping malls etc.



- Stability: Linux OS, dual-BIOS, redundant power, two-server hot standby
- Compatibility: Third-party IP Cameras supported with standard ONVIF
- Access: Browser/Server, Client/Server and mobile clients (both iOS and Android)
- Connection: 1000 device connections, up to 2000 channels of high-definition network videos
- Management: Unified management of NVR, IPC, decoder, network keyboard, cloud devices, alarm control panel and door access control, support devices' configuration import/export
- Storage: Max 16 hard disks and 2 disk enclosures; expandable up to 48 disks with 480TB storage, recording backup, IPSAN storage
- Decoding: Max 16×1080P decoding outputs in three screens, expandable up to 112×1080P in 15 screens with 2 decoding cards inserted
- Service: Live view, playback, sequence, video wall, E-map, two-way audio, and alarm plan
- Reliability: Support of HTTPS, 802.1x authentication, ARP protection, Telnet enabling/disabling, network fault tolerance, multi-IP configuration, load balancing, secure password and IP address filtering

Specifications

Item		GX-PRO-SUPER-CENTER
	Number of connected cameras per server	1000 devices or 2000 channels
	Device management	IPC, NVR, encoder, decoder(standard/expanded), network keyboard, cloud devices, alarm control panel and door access control
	Numbers of online users	300
Video management	Numbers of roles per user	16
	Bandwidth of video input per server	512Mbps
	Bandwidth of video output per server	384Mbps
	Video compression	Ultra265, H.265, H.264
	Decoding	4x4K@30, 16x1080p@30, 36x720p@30, 64xD1
	Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/960P/720P/960H/D1/2CIF/CIF/QCIF
	Display on video wall	HDMI(x2) and VGA(x1) output; HDMI output supports 4K resolution
Decoding	Audio compression	G.711A, G.711
	Decoding card (optional)	Max 2 cards supported; models: HDMI4-C and HDMI6-C
	HDMI4-C decoding card	4-ch HDMI outputs, with decoding of 4x4K@60 or 8x4K@30 or 32x1080P@30 or 64x720P@30
	HDMI6-C decoding card	6-ch HDMI outputs, with decoding of 6x4K@60 or 12x4K@30 or 48x1080P@30 or 96x720P@30

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Storage	HDD installation	Hot-swappable HDDs Support 16HDDs (3.5", up to 10TB for each)
	RAID mode	RAID0, RAID1, RAID5,RAID6,RAID10,RAID50,RAID60
	Bandwidth of video storage per server	512Mbps
	Disk enclosure (optional)	Max 2 disk enclosures supported; models: DEU1008 and DEU1016
	DEU1008 disk enclosure	8xSATA interfaces, up to 10TB storage per interface
Play control	DEU1016 disk enclosure	16xSATA interfaces, up to 10TB storage per interface
		1 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 13 / 16 / 17 / 25 / 32 / 36 / 64 window display Corridor format Up to 3 auxiliary monitors
Playback	Play NVR recordings Up to 24 channels for multiple clients; synchronous playback up to 16 channels for single client	
System	Main Processor	Intel(R) CPU
	Memory	4GB DDR3L
	Power supply	100-240 VAC (with power on/off switch) Dual-power redundancy
Interface	Network	4x10M/100M/1000M Base-T adaptive Ethernet interfaces 2x1000M SFP optical interfaces
	USB	4xUSB3.0
	HDMI	2xHDMI
	VGA	1xVGA
	Serial	1xRS-232 (RJ45), 1xRS-485 (RJ45)
	Alarm input/output	24x alarm inputs, 8x alarm outputs
	Power output	12 V DC
	Audio alarm	Buzzer
	Expansion	1x eSATA interface, 2x miniSAS interfaces, 2x decoding cards

Item		GX-PRO-SUPER-CENTER
	Power consumption	<= 50W (not including HDD) <= 165W (including HDD)
	Operating temperature	-10°C to 55°C (14°F to 131°F)
Others	Operating humidity	10% to 90% (noncondensing)
	Weight	<= 10.0 Kg
	Dimensions (DxWxH)	Height: 3U, support mounting in standard 19" cabinet 477.1 mm x 481.6 mm x 130.5 mm (18.8"x19"x5.1") (including front panel)