

## Model: GNT-3316H2-16P-A2



## Key Feature

- Supports 16 CH 12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280×1024 960P/ 720P/960H/D1/CIF IPC Input
- H.265S/H.265+/H.265/H.264
- Intuitive and user-friendly Graphic User Interface ( GUI ), Windows style operation by mouse
- Multi-type recording: manual / timed / motion / sensor / POS / AI recording
- Playback : 16 CH simultaneous playback
- Search : time slice, time, event, tag and smart search
- Supports face detection and comparison
- Supports multiple VCA (Video Content Analytics) events, such as object abandoned/missing, region intrusion, tripwire, video exception, etc.
- Supports license plate recognition
- Supports POS information overlay on live view and playback
- Pentaplex : preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol
- Compatible with third-party IPCs, such as ONVIF, Hikvision, etc.
- Remote control via Web Client or CMS : preview, playback, backup, PTZ and configuration
- Supports 16CH PoE IPC direct connection to NVR via PoE ports
- Multi-user online simultaneously and Support SDK/API
- Authorization management, log view and device status view
- 4K output, true high resolution display
- Supports PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Supports NAT function and QRCode scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Android OS

## Specification

OS Embedded	Linux	Face	
Video		Face Detection Performance (AI by IPC)	16 CH
Compression	H.265S/H.265+/H.265/H.264	Face Detection Performance (AI by Device)	2 CH (2MP)
IP Video Input	16CH IPC input	Face Match Performance	6 CH
Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P 1280×1024/960P/720P/960H/D1/CIF	Comparison Capability	18 pictures / second
Network Bandwidth	160Mbps/160Mbps (incoming/outgoing)	Face Picture Database	32 libraries 10000 Face Pictures
Output	HDMI : 3840 × 2160/1920 × 1080 / 1280 × 1024 1024 × 768 VGA : 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA can be set to output the same or different video source with HDMI	Face Picture Search	Search by picture is supported
Audio		Database Management	Add, modify, delete and search face pictures
Network Input	16 CH IPC audio input	Face Picture Adding	Add face pictures through APP, WEB and external import
2-way Audio / Local Output	RCA × 1	Face Picture Comparison	Supports allow list, block list and stranger match alarm
Compression	G.711(U/A)	Track	Track display on a map
Record		Statistical Graph of Information	Bar graph
Record Stream	Dual stream recording	Statistical Mode of Information	Statistics by day, week, month, quarter as well as customized
Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P 1280×1024/960P/720P/960H/D1/CIF	Human/Vehicle Classification	Yes
Frame Rate	NTSC: 30fps; PAL: 25fps	Fisheye	Supports fisheye dewarping via Web Client and mobile APP
Playback		Plate Recognition	Yes
Simultaneous Playback	Max 16CH	PoE	
Search	Time slice / time / event / tag / smart search	PoE Port	RJ 45 100Mbps × 16
Smart Search	Highlighted color to display the camera record in a certain period of time, different colors refers to different record events	Standard	IEEE802.3AF/AT
Function	Play, pause, FF, FB, digital zoom, etc.	Output Power	≤ 150W
Decoding Capability		Network	
View/ Playback	1CH 12MP/4CH 1080P	Interface	RJ 45 1000 Mbps × 1
Multi-Screen Display Mode		Protocol	TCP / IP, IPv4, IPv6, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x, RTSP, SNMP, ONVIF, etc.
Mode	Dual output mode (default mode): supports HDMI and VGA output (different source) , but doesn' t support AI by device AI mode: Different source output and 12MP video input (live view/playback) are unavailable, but 8MP video input supports	Client Connection	Max. 10 users access
Dual Output Mode	16CH (HDMI) +9CH (VGA)	OS	iOS, Android
AI Mode	16CH (HDMI)	Storage	
Alarm		HDD Interface	SATA × 2, max 10T for each HDD
Mode	Manual, sensor, motion, exception, smart events, etc.	Backup	
Input	8 CH local alarm input	Local Backup	U disk, USB mobile HDD
Output	4 CH	Network Backup	Yes
Triggering	Record, snap, preset, e-mail, etc.	External Interface	
		RS 485	Yes (full-duplex), connect to PTZ or keyboard
		USB	USB 3.0 × 1 ; USB 2.0 × 2
		Remote Controller	Optional
		Power Supply	DC48V/3.75A
		Consumption	≤ 20W ( without HDD and PoE power supply )
		Certificate	CE, FCC
		Environmental Protection	Directive EU RoHS, REACH and WEEE
		Dimensions(mm)	380 × 268 × 45 ( W × D × H )
		Working Environment	-10 ~ 50°C10% ~ 90% humidity