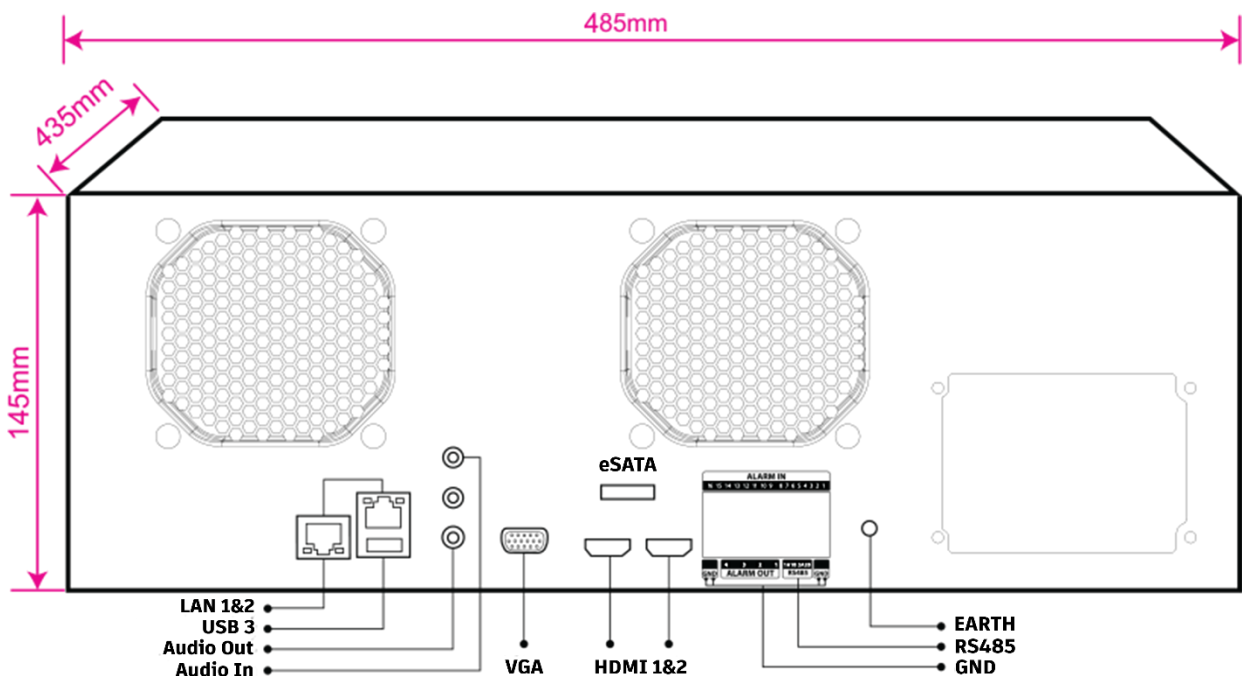


GRIFFIN GF-NVR81032S16R/PRE Network Video Recorder



- IP Channel Input: 32CH x 4K@30Fps
- Main stream: up to 12MP Supported
- Video Compression: H.264 / H.264+ / H.265 / H.265+, Smart Event Codec
- HDMI Output: 2CH / 1CH 4K (3840 × 2160), 1CH Full HD (1920 × 1080)
- VGA Output: 1CH x Full HD (1920 × 1080) - Ethernet: 2 x Gigabit Lan Port
- HDD: 16 pcs SATA (Up To 18TB For Each HDD) - eSATA: 1 pcs SATA
- Group HDD: 16 Group - Raid Support: Raid 0-1-3-5-01-10
- Bandwidth: Input 320 ~ 500 Mbps (SBMS) + Output 100 ~ 300 Mbps (SBMS)
- Sync Playback: 16CH x 4K@30fps Resolution - Failover: N+1 Hot Spare - ANR Support
- USB Interface: 2 x USB 2.0 & 1 x USB 3.0 Interfaces - Alarm Interface: 16CH Input & 4CH Output
- Full Function Smart: Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection



CPU & Capabilities	CPU	HiSilicon 3536 (Quad Core)
	IP Channel Input	32CH x 4K@30Fps (Up to 12MP Supported)
Video & Audio	HDMI Output	2CH / 1CH 4K (3840 × 2160) , 1CH Full HD (1920 × 1080)
	VGA Output	1CH x Full HD (1920 x 1080)
	Audio Input/ Output	1CH Input, 1CH Output
Recording	Video Compression	H.264 / H.264+ / H.265 / H.265+, Smart Event Codec
	Audio Compression	G.711A, G.711U
	Video Resolution	12MP, 8MP, 5MP, 4MP, 3MP, 1080P, 720P, VGA, 4CIF, DCIF, 2CIF, CIF, QCIF
	Input Bandwidth	320 ~ 500 Mbps (Smart Bandwidth Management System) 200 Mbps (when RAID is enabled)
	Record Mode	Manual, Schedule, Alarm, Event, Smart Event
	Failover	N+1 Hot Spare
	Pre & Post Record	Pre 1~30 sec, Post 10~300 sec
Playback & Backup	Sync Playback	16CH Sync Playback(Up to 4K@30fps)
	Search Mode	Time & Date, Motion, Alarm Input, All Smart Function
	Playback Mode	Normal, Time Division, Label, Event, Picture Playback, Smart Playback, ANR Support
	Backup Mode	USB Device, Network, Internal SATA Burner, External eSATA
Network & Monitoring	Protocols	HTTPs, HTTP, TCP/IP V4-V6, ICMP, RTSP, RTCP, UDP, NTP, DHCP, DDNS, FTP, SNMP-V1-V2-V3, UPNP, P2P, NAT, Multi Cast
	Compatibility	Onvif Ver2.6, Profile S, G, T, CGI, SDK, API
	Output Bandwidth	100 ~ 300 Mbps (Smart Bandwidth Management System) 200 Mbps (when RAID is enabled)
	User	32 Users
	Streaming Method	Unicast, Multicast
	Web Viewer	IE, Edge, Chrome, Firefox
	Software	Unlimited CMS/VMS 128CH Per Monitor
Smart Device	IOS, Android Phone & Tablet	
Hard Disk	HDD	16 Sata HDD With Cage (Hot Swap Technology)
	Capacity	Up To 18TB For Each HDD
	Raid Support	Raid 0-1-3-5-10
	Group HDD	16 Group
External Interface	Network	2 × RJ45(10/100/1000mpbs)+LED Indicator
	WiFi / 4G Dongle	Supported
	USB Interface	Front panel: 2 × USB 2.0 / Rear panel: 1 × USB 3.0
	eSATA	1
	Alarm In / Alarm Out	16 / 4
	Controller	2 x RS-485 Interface
Smart Function	Intelligent Function	Line Crossing, Area Intrusion, Face Detection, Audio Exception Detection, Unattended Objects, Object Missing, Region Entrance, Region Exiting, Fast Moving, Loitering Detection, People Gathering Detection, Parking Detection, Blurred Detection, Scene Change Detection, People Counting, Video Shelter, Motion Detection, Human Detection, Car Shape Detection
Sustainable Transfer Rate	Raid 3,5	Up to 180 mb/s in HDD Seagate Sky HDD (Depend on Model)
	Raid 3,5	Up to 245 mb/s in HDD Western Digital Purple (Depend on Model)
	Raid 0,1,10	Up to 180 mb/s in HDD Seagate Sky HDD (Depend on Model)
	Raid 0,1,10	Up to 145 mb/s in HDD Western Digital Digital Purple (Depend on Model)
	Playback	4 Channels Simultaneous for All Raid
General	Power Supply	AC110 ~ 220V, 50 ~ 60Hz
	Power Consumption	≤90W Without Hard Disk
	Working Environment	-20°C ~ +60°C / 10% ~ 90% RH (Non condensing)
	Rackmount	Yes - 4 Unit
	Dimension (W×D×H)	485*435*145mm
	Weight/g	11 kg Without HDD
	MTBF	100K hrs min. MIL-HDBK-217F (25°)

