

navaio+

HD TVI DVR

NAV+T16



Features and Functions

Video Input and Transmission

- Connectable to HDTVI, AHD, HDCVI and analog cameras
- Long distance transmission over UTP and coaxial cable with max. 1200m for the 720p and max. 800m for the 1080p HDTVI signal

Compression and Recording

- One-key enable H.264+ compression to improve encoding efficiency by up to 50% and reduce data storage costs
- Up to 3 MP resolution for recording of the first 4 channels
- Supports real-time 1080p lite and when it's enabled, the image effect is similar with 1080p

Video Output

- Simultaneous HDMI/VGA output up to 1920x1080 and up to 4k (3840x2160) resolution for HDMI output

Storage and Playback

- One SATA interface (up to 6 TB capacity per HDD)
- 16-ch synchronous playback
- Smart search for efficient playback

Smart Function

- VQD (Video Quality Diagnostics)
- Unlock pattern for device login for the *admin*
- Clear-text password available

Network & Ethernet Access

- Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
- One self-adaptive 10/100/1000 Mbps network
- Output bandwidth limit configurable
- Mobile APP: CCTV Guard

Specifications

Model	NAV+T16	
Video/Audio input	Video compression	H.264+/H.264
	Analog video input	16-ch BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
	HDTVl input	3 MP, 1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz, 720p/50Hz, 720p/60Hz Note: The 3 MP signal input is only available for the first 4 channels of NAV+T16
	AHD input	1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz
	HDCVl input	1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz
	CVBS input	Support
	Audio compression	G.711u
	Audio input/Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Video/Audio output	HDMI/VGA output	HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA: 1-ch, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	Encoding resolution	When 1080p Lite mode is not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF When 1080p Lite mode is enabled: 1080p lite/720p lite/VGA/WD1/4CIF/CIF
	Frame rate	Main stream: When 1080p Lite mode not enabled: For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@12fps For 1080p stream access: 1080p@12fps; 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF/2CIF@12fps; CIF/QVGA/QCIF@25fps (P)/30fps (N)
	Video bit rate	32 Kbps to 6 Mbps
	Audio output	1-ch, RCA (Linear, 1 KΩ)
	Audio bit rate	64 Kbps
	Dual stream	Support
	Stream type	Video, Video & Audio
	Synchronous playback	16-ch
	Network management	Remote connections
Network protocols		TCP/IP, PPPoE, DHCP, Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
Hard disk	SATA	1 SATA interface
	Capacity	Up to 6 TB capacity for each disk
External interface	Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
	USB interface	Real panel: 2 × USB 2.0
General	Power supply	12 VDC
	Consumption (without HDD)	≤ 20 W
	Working temperature	-10 °C to +55 °C (14 °F to 131 °F)
	Working humidity	10% to 90%
	Dimensions (W × D × H)	285 × 210 × 45 mm (11.2 × 8.3 × 1.8inch)
	Weight (without HDD)	≤ 1.2 kg (2.6 lb)