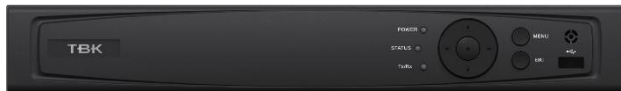
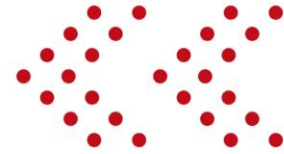


DATASHEET

TBK-NVR2200 SERIES



MAIN FEATURES

- 4/8/16 IP channels at 4K (8MP) resolution.
- 40/80/160 Mbps incoming bandwidth.
- 80 Mbps outgoing bandwidth.
- H.265+ encoding.
- VGA (1080P) and HDMI (4K) video outputs (simultaneous for TBK-NVR2204, independent for TBK-NVR2208 and TBK-NVR2216).
- Display capacity: 1x8MP, 4x1080P.
- Bidirectional audio.

Network video recorders, supporting 4, 8, or 16 IP channels at up to 4K (8 megapixels) resolution. 40/80/160Mbps incoming bandwidth and 80Mbps outgoing bandwidth. They support Smart Search, for a quick search on recorded video, and they manage the Smart events of the IP cameras from Novum series, both in real time and in playback.

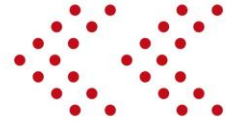


NOVUM

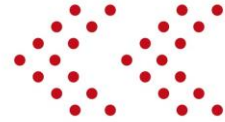
These NVRs belong to **novum** product range. This product range includes as well DVRs and IP cameras, with a common software platform, and constitutes an important technological renovation. The platform allows access to the devices in a simple way, and supports the P2P service, which eliminates the need to open ports, greatly simplifying the installation.

TBK Novum Management Software allows to centrally manage the devices from several installations (both recorders and cameras), with support of multiple monitors, maps, and event management. The TBK SuperVision smartphone application (TBK SuperV) also provides the flexibility and mobility necessary to monitor CCTV installations from a mobile phone or tablet, with notifications in case of alarm, thanks to push technology.




TBK-NVR2200 SERIES
SPECIFICATIONS

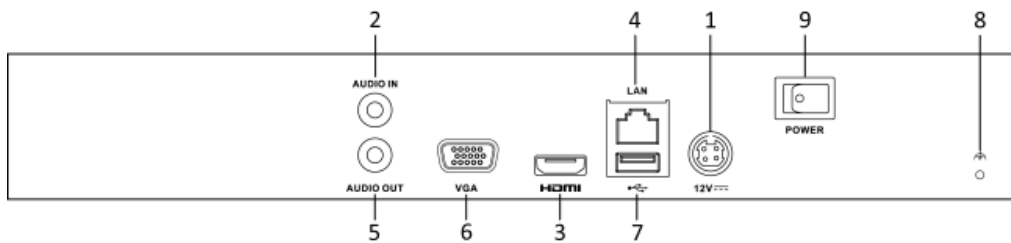
MODEL		TBK-NVR2204	TBK-NVR2208	TBK-NVR2216
VIDEO/AUDIO INPUT	IP video input	4-ch Up to 8 MP resolution	8-ch	16-ch
	Two-way audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)		
NETWORK	Incoming bandwidth	40 Mbps	80 Mbps	160 Mbps
	Outgoing bandwidth	80 Mbps		
VIDEO/AUDIO OUTPUT	Recording resolution	8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA /720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF		
	HDMI output resolution	1-ch, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz; HDMI/VGA simultaneous output	1-ch, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
	VGA output resolution	1-ch, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz; HDMI/VGA simultaneous output	1-ch, 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
	Audio output	1-ch, RCA (Linear, 1 KΩ)		
DECODING	Decoding format	H.265/H.265+/H.264/H.264+/MPEG4		
	Live view / Playback resolution	8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA /720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF		
	Synchronous playback	4-ch	8-ch	16-ch
	Capability	1-ch @ 8 MP / 4-ch @ 1080p		
NETWORK MANAGEMENT	Network protocols	TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS		
HARD DISK	SATA	1 SATA interface		
	Capacity	Up to 6TB capacity for each disk		
EXTERNAL INTERFACE	Network interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface		
	USB interface	2 × USB 2.0		



TBK-NVR2200 SERIES SPECIFICATIONS

GENERAL	Power supply	12 VDC
	Power	≤ 18W
	Consumption (without hard disk)	≤ 10 W
	Working temperature	-10 to +55° C (+14 to +131° F)
	Working humidity	10 to 90 %
	Chassis	1U chassis
	Dimensions (W × D × H)	315 × 240 × 48 mm (12.4" × 9.4" × 1.9")
	Weight (without hard disk)	≤ 1 kg (2.2 lb)

PHYSICAL INTERFACES



No.	DESCRIPTION	No.	DESCRIPTION
1	Power Supply	6	VGA Interface
2	Audio In	7	USB Interface
3	HDMI Interface	8	Ground
4	LAN Network Interface	9	Power Switch
5	Audio Out		