DATASHEET

TBK-DVR1100 SERIES

MAIN FEATURES

- H.264+ encoding.
- 5 in 1: HDTVI/AHD/CVI/CVBS/IP.
- 4/8/16 HD inputs at up to 1080P Lite resolution.
- Up to 5 IP cameras at 960P resolution for TBK-DVR1104, and 10/18 IP cameras at 1080P for TBK-DVR1108/16.
- Bidirectional audio.

5 in 1 digital video recorders, supporting up to 1080P resolution for HD inputs. Hybrid recorders, they allow to deactivate the HD inputs to convert them into IP channels, appart from supporting additional IP channels.

novum

These DVRs belong to **novum** product range. This product range includes as well NVRs 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.
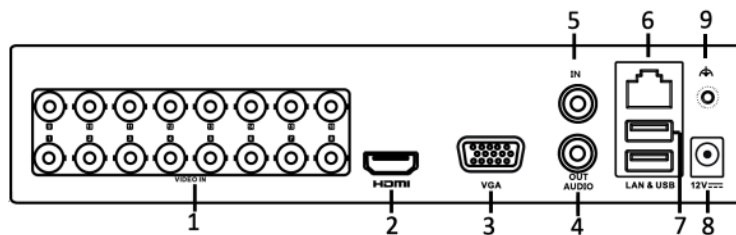
MODEL	TBK-DVR1104	TBK-DVR1108	TBK-DVR1116
RECORDING			
Video compression	H.264+/H.264		
Encoding resolution	When 1080p Lite mode not enabled: 720p/WD1/4CIF/VGA/CIF When 1080p Lite mode enabled: 1080p lite/720p/WD1/4CIF/VGA/CIF		
Frame rate	Main stream: When 1080p Lite mode not enabled: For 720p stream access: 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: 1080p lite/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)		
	Sub-stream: 2CIF@6fps; CIF/QVGA/QCIF@ 25fps (P)/30fps (N)	Sub-stream: 4CIF/2CIF@6fps; CIF/QVGA/QCIF@25fps (P)/30fps (N)	
Video bit rate	32 Kbps to 4 Mbps		
Dual stream	Support		
Stream type	Video, Video & Audio		
Audio compression	G.711u		
Audio bit rate	64 Kbps		
VIDEO AND AUDIO			
IP video input	1-ch (up to 5-ch)	2-ch (up to 10-ch)	2-ch (up to 18-ch)
	Up to 960p resolution	Up to 1080p resolution	
	Support H.264+/H.264 IP cameras		
Analog video input	4-ch	8-ch	16-ch
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection		
Turbo HD input	1080p25, 1080p30, 720p25, 720p30		
AHD input	1080p25, 1080p30, 720p25, 720p30		
HDCVI input	1080p25, 1080p30, 720p25, 720p30		
CVBS input	Support		
HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Audio output	1-ch, RCA (Linear, 1 KΩ)		
Two-way audio	Reuse the first audio input		
Synchronous playback	4-ch	8-ch	16-ch

NETWORK			
Remote connections	32	128	
Network protocols	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS		
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface		
AUXILIARY INTERFACE			
SATA	1 SATA interface		
Capacity	Up to 6 TB capacity for each disk		
Alarm in/out	N/A		
USB interface	Rear panel: 2 × USB 2.0		
GENERAL			
Power supply	12 VDC		
Consumption (without HDD)	≤ 8 W	≤ 12 W	≤ 20 W
Working temperature	-10 °C to 55 °C (14 °F to 131 °F)		
Working humidity	10% to 90%		
Dimensions (W × D × H)	260 × 222 × 45 mm (10.2 × 8.7 × 1.8 inch)		
Weight (without HDD)	≤ 1 kg (2.2 lb)		≤ 1.2 kg (2.6 lb)

PHYSICAL INTERFACES

*: This corresponds to the rear panel of TBK-DVR1116. The rear panel of TBK-DVR1104/1108 provides 4/8 video input interfaces.

No.	DESCRIPTION	No.	DESCRIPTION
1	VIDEO IN	6	LAN Network Interface
2	HDMI Interface	7	USB Interface
3	VGA Interface	8	GND
4	AUDIO OUT	9	12 VDC Power Input
5	AUDIO IN		