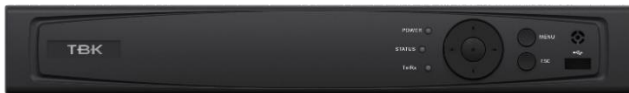


DATASHEET

TBK-DVR1200 SERIES



MAIN FEATURES

- H.265 Pro+ encoding.
- 5 in 1: HDTV/AHD/CVI/CVBS/IP.
- 4/8/16 HD inputs at up to 4MP Lite resolution.
- Up to 6/12/24 IP cameras (at up to 6MP resolution).
- Smart functions (4 ch): line crossing and intrusion detection.
- RS-485 port.
- Alarm In/Out, bidirectional audio.

5 in 1 digital video recorders, supporting up to 4MP resolution for HD inputs. Hybrid recorders, they allow to deactivate the HD inputs to convert them into IP channels, apart 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.

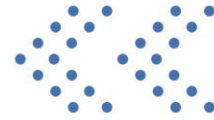




TBK-DVR1200 SERIES

SPECIFICATIONS

MODEL	TBK-DVR1204	TBK-DVR1208	TBK-DVR1216
RECORDING			
Video compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264		
Encoding resolution	When 1080p lite mode is not enabled: 4 MP lite/3 MP/1080p/720p/VGA/WD1/4CIF/CIF When 1080p Lite mode is enabled: 4 MP lite/3 MP/1080p lite/720p lite/VGA/WD1/4CIF/CIF		
Frame rate	Main stream: When 1080p Lite mode not enabled: For 4 MP stream access: 4 MP lite@15fps; 1080p lite/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15fps For 1080p stream access: 1080p/720p@15fps; 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: 4 MP lite/3 MP@15fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)		
Video bit rate	32 Kbps to 6 Mbps		
Dual stream	Support		
Stream type	Video, Video & Audio		
Audio compression	G.711u		
Audio bit rate	64 Kbps		
VIDEO AND AUDIO			
IP video input	2-ch (up to 6-ch)	4-ch (up to 12-ch)	8-ch (up to 24-ch)
	Up to 6 MP resolution		
	Support H.265+/H.265/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		
HDTVI input	4 MP, 3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 *: The 3 MP signal input is only available for channel 1 of TBK-DVR1204, for channel 1/2 of TBK-DVR1208, and for channel 1/2/3/4 of TBK-DVR1216		
AHD input	4 MP, 1080p25, 1080p30, 720p25, 720p30		
HDCVI input	1080p25, 1080p30, 720p25, 720p30		
CVBS input	PAL/NTSC		
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480		

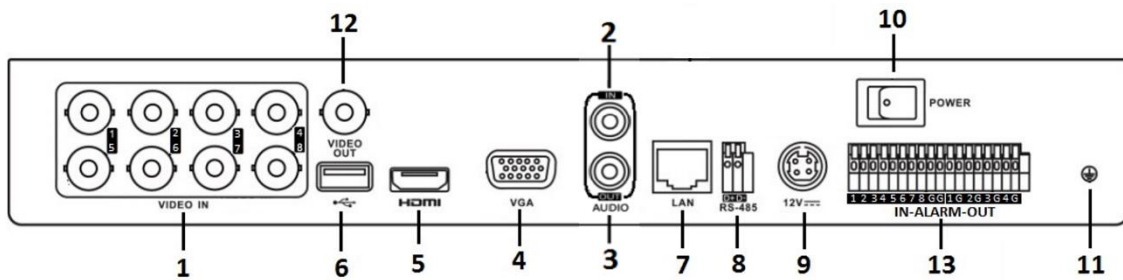

TBK-DVR1200 SERIES
SPECIFICATIONS

HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz			VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 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	1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)			
Synchronous playback	4-ch	8-ch	16-ch	
NETWORK				
Remote connections	32	64	128	
Network protocols	TCP/IP, PPPoE, DHCP, P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF			
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface			1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
AUXILIARY INTERFACE				
SATA	1 SATA interface			
Capacity	Up to 10 TB capacity for each disk			
Serial interface	RS-485 (half-duplex)			
USB interface	2 × USB 2.0			Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0
Alarm in/out	4 Alarm IN / 1 Alarm OUT	8 Alarm IN / 4 Alarm OUT		4 Alarm IN / 1 Alarm OUT
GENERAL				
Power supply	12 VDC			
Consumption (without HDD)	≤ 6 W	≤ 7.5 W	≤ 25 W	
Working temperature	-10 °C to +55 °C (+14 °F to +131 °F)			
Working humidity	10% to 90%			
Dimensions (W × D × H)	315 × 242 × 45 mm (12.4 × 9.5 × 1.8 inch)			
Weights (without HDD)	≤ 1.16 kg (2.6 lb)	≤ 1.78 kg (3.9 lb)	≤ 2 kg (4.4 lb)	



TBK-DVR1200 SERIES

PHYSICAL INTERFACES



*: This corresponds to the rear panel of TBK-DVR1208. The rear panel of TBK-DVR1204/1216 provides 4/16 video input interfaces, 4 alarm in, and 1 alarm out.

No.	DESCRIPTION	No.	DESCRIPTION
1	VIDEO IN	7	LAN Network Interface
2	AUDIO IN, RCA Connector	8	RS-485 Serial Interface
3	AUDIO OUT, RCA Connector	9	Power Input
4	VGA Interface	10	Power Switch
5	HDMI Interface	11	GND
6	USB Interface	12	VIDEO OUT