

DATASHEET

TBK-DVR1200B 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).
- 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.





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SPECIFICATIONS

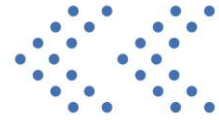
| MODEL | TBK-DVR1204B | TBK-DVR1208B | TBK-DVR1216B |
|------------------------|--|--------------------|--------------------|
| RECORDING | | | |
| Video compression | H.265 Pro+/H.265 Pro/H.265/H.264+/H.264 | | |
| Encoding resolution | When 4 MP Lite mode not enabled: 4 MP/4 MP Lite/1080p/720p/WD1/4CIF/VGA/CIF; When 4 MP Lite mode enabled: 4 MP lite/1080p lite/720p lite/WD1/4CIF/VGA/CIF When 1080p Lite mode is not enabled: 4 MP/1080p/720p/WD1/4CIF/VGA/CIF ; When 1080p Lite mode is enabled: 4 MP/1080p lite/720p lite/WD1/4CIF/VGA/CIF | | |
| Frame rate | Main stream: For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 4 MP Lite mode not enable: For 4 MP stream access: 4 MP@8fps; 4 MP lite/1080p/720p/WD1/4CIF/VGA/CIF@15fps (N) When 4MP Lite mode enabled: For 4 MP stream access: 4 MP lite@15fps; 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 1080p Lite mode not enabled: For 1080p stream access: 1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: For 1080p stream access: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 | | |
| 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, 1080p25, 1080p30, 720p25, 720p30 | | |
| AHD input | 4 MP, 1080p25, 1080p30, 720p25, 720p30 | | |
| HDCVI input | 4 MP, 1080p25, 1080p30, 720p25, 720p30 | | |
| CVBS input | Support | | |



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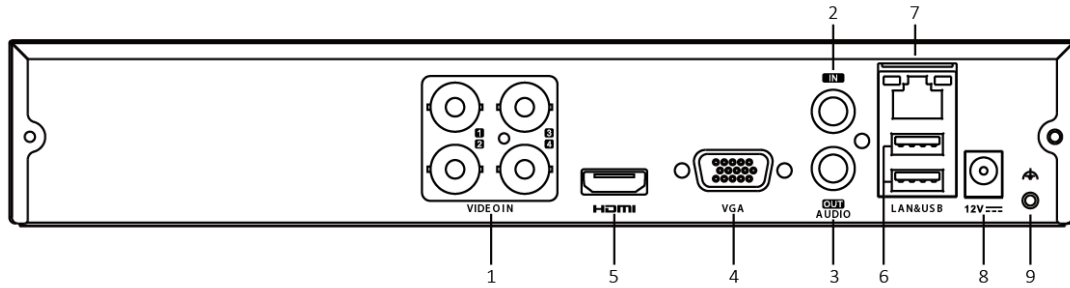
SPECIFICATIONS

| | | | | |
|----------------------------|---|------------------------|--|---|
| 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) | | | |
| | 4-ch via coaxial cable | 8-ch via coaxial cable | 16-ch via coaxial cable | |
| Audio output | 1-ch, RCA (Linear, 1 KΩ) | | | |
| Two-way audio | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 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 | | | |
| USB interface | 2 × USB 2.0 | | | |
| Alarm in/out | N/A | | | |
| GENERAL | | | | |
| Power supply | 12 VDC, 1.5 A | 12 VDC, 1.33 A | 12 VDC, 2.17 A | |
| 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) | | | |
| Weights (without HDD) | ≤ 0.8 kg (1.8 lb) | | ≤ 1.2 kg (2.6 lb) | |



TBK-DVR1200B SERIES

PHYSICAL INTERFACES



*: The rear panel of TBK-DVR1208B/1216B provides 8/16 video input interfaces.

| No. | DESCRIPTION | No. | DESCRIPTION |
|-----|--------------------------|-----|-------------------------|
| 1 | VIDEO AND AUDIO IN | 6 | USB Interface |
| 2 | AUDIO IN, RCA Connector | 7 | LAN Network Interface |
| 3 | AUDIO OUT, RCA Connector | 8 | RS-485 Serial Interface |
| 4 | VGA Interface | 9 | GND |
| 5 | HDMI Interface | | |