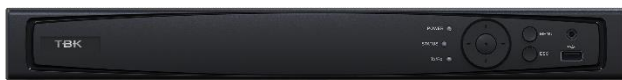
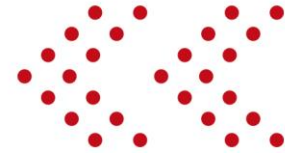


## DATASHEET

### TBK-NVR2316



#### MAIN FEATURES

- 16 IP channels at 12 MP resolution.
- 160 Mbps incoming bandwidth.
- 256 Mbps outgoing bandwidth.
- H.265+ encoding.
- VGA (1080P) and HDMI (4K) independent video outputs.
- Display capacity: 2x12MP, 4x8MP, 8x4MP, 16x1080P.
- Alarm input and output.
- Bidirectional audio.

Network video recorder supporting 16 IP channels at up to 12 megapixels resolution. 160Mbps incoming bandwidth and 256Mbps outgoing bandwidth. Supports Smart Search, for a quick search on recorded video, and manages the Smart events of the IP cameras from Novum series, both in real time and in playback.

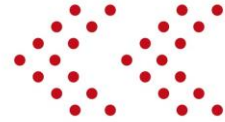


## NOVUM

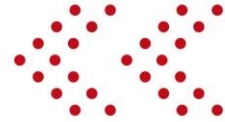
These NVRs belong to **novum** product range. This product range includes as well DVRs and IP cameras, with a common software platform, and constitutes an important technological renovation. The platform allows access to the devices in a simple way, and supports the P2P service, which eliminates the 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-NVR2316**
**SPECIFICATIONS**

<b>VIDEO/AUDIO INPUT</b>	IP video input	16-ch Up to 12 MP resolution
	Two-way audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)
<b>NETWORK</b>	Incoming bandwidth	160 Mbps
	Outgoing bandwidth	256 Mbps
	Remote connection	128
	Recording resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF
	HDMI output resolution	4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080p/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	VGA output resolution	1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	Audio output	1-ch, RCA (Linear, 1 KΩ)
<b>DECODING</b>	Decoding format	H.265/ H.265+/H.264/H.264+/MPEG4
	Live view / Playback resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/ 2CIF/CIF/QCIF
	Synchronous playback	16-ch
	Capability	2-ch @ 12 MP (20fps) / 4-ch @ 8 MP (25fps) / 8-ch @ 4MP (30fps) / 16-ch @ 1080p (30fps)
<b>NETWORK MANAGEMENT</b>	Network protocols	TCP/IP, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS
<b>HARD DISK</b>	SATA	2 SATA interfaces for 2HDDs
	Capacity	Up to 8TB capacity for each HDD
<b>EXTERNAL INTERFACE</b>	Network interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
	USB interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
	Alarm in/out	4/1

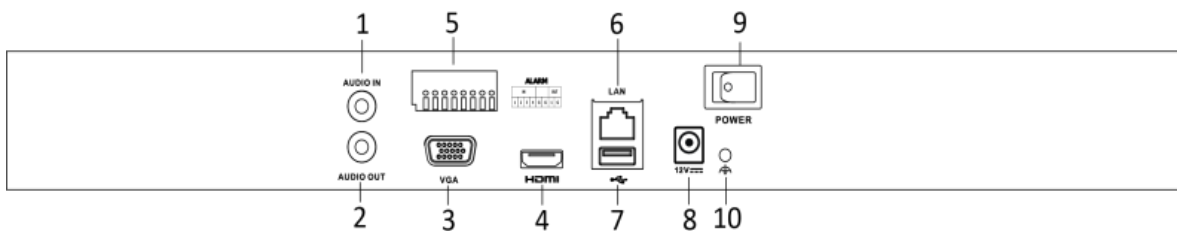


**TBK-NVR2316**

**SPECIFICATIONS**

<b>GENERAL</b>	Power supply	12 VDC
	Power	≤40 W
	Consumption (without hard disk)	≤15 W
	Working temperature	-10 °C to 55 °C (14 °F to 131 °F)
	Working humidity	10 to 90 %
	Dimensions (W × D × H)	385 × 315 × 52 mm (15.2" × 12.4" × 2.0")
	Weight (without hard disk)	≤ 1 kg (2.2 lb)

**PHYSICAL INTERFACES**



No.	DESCRIPTION	No.	DESCRIPTION
<b>1</b>	AUDIO IN	<b>6</b>	LAN Interface
<b>2</b>	AUDIO OUT	<b>7</b>	USB 3.0 Interface
<b>3</b>	VGA Output (DB9 Connector)	<b>8</b>	GND
<b>4</b>	HDMI Interface	<b>9</b>	100 to 240 VAC power supply
<b>5</b>	Controller Port, Alarm In/Alarm Out	<b>10</b>	Power Switch