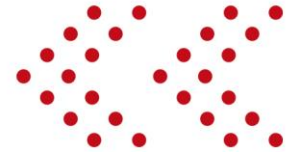


# DATASHEET

**TBK-MD9721Z**


## MAIN FEATURES

- 2MP resolution (1920 × 1080 @25fps).
- 2.8-12 mm motorized autofocus lens.
- Sensitivity: 0,01 Lux color (F1.2, AGC ON).
- 30 m IR range
- H.265+ encoding.
- ROI encoding.
- IP67

Varifocal IP minidome, with 2 Megapixels resolution real time. Autofocus motorized lens for a quick and precise adjustment. Good quality image and efficient video encoding, at a competitive price.



## NOVUM

This camera belongs to **novum** product range. This product range includes as well DVRs, NVRs, and other IP camera models, 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.





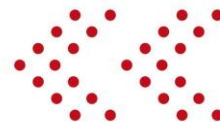
# TBK-MD9721Z

## SPECIFICATIONS

CAMERA	
Image Sensor	1/2.7" progressive scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0.02 Lux @ (F1.6, AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
WDR	Digital WDR
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotation: 0° to 360°
LENS	
Focal Length	2.8 mm to 12 mm
Aperture	F1.6
Focus	Auto
FOV	Horizontal FOV 108.5° to 33.2°, vertical FOV 57.5° to 18.8°, diagonal FOV 130° to 38°
Lens Mount	Ø14
IR	
IR Range	Up to 30 m
Wavelength	850 nm
COMPRESSION STANDARD	
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile/High Profile
H.264+	Main stream supports
H.265 Type	Main Profile
H.265+	Main stream supports
Video Bit Rate	32 Kbps to 8 Mbps
SMART FEATURE SET	
Region of Interest	1 fixed region for main stream and sub-stream
IMAGE	
Max. Resolution	1920 × 1080
Main Stream Max. Frame Rate	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-stream Max. Frame Rate	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Image Enhancement	BLC, 3D DNR
Image Settings	Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser
Day/Night Switch	Auto, scheduled, day, night


**TBK-MD9721Z**
**SPECIFICATIONS**

<b>NETWORK</b>	
Network Storage	Support Micro SD/SDHC/SDXC card (128G ), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD error, HDD full
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
General Function	One-key reset, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Firmware Version	5.5.52
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	TBK SuperVision App (TBK SuperV), TBK Novum Management Software
Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
<b>INTERFACE</b>	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes
<b>GENERAL</b>	
Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity: 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, 5.5 mm coaxial power plug PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 0.9 A, Max: 10.5 W PoE: (802.3af, 36 V to 57 V), 0.4 A to 0.2 A, Max: 12 W
Ingress Protection	IP67
Material	Camera body: metal, bottom base: plastic
Dimensions	Camera: Ø 129.4 mm × 116.4 mm (5.1" × 4.6") With package: Ø 170 mm × 150 mm (6.7" × 5.9")
Weight	Camera: 560 g (1.2 lb.) With package: 850g (1.9 lb.)



## TBK-MD9721Z

### DIMENSIONS

