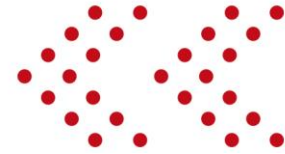# DATASHEET

## TBK-MD9642

## MAIN FEATURES

- 4MP resolution (2688 × 1520 @25fps).
- 2.8 mm fix lens.
- Sensitivity: 0,01 Lux color (F1.2, AGC ON).
- Wide Dynamic Range 120 dB.
- 30 m IR range
- H.265+ encoding.
- ROI encoding.
- Smart functions (line crossing, intrusion, face detection).
- IP67, IK10

Vandalproof fix lens IP minidome, with 4 Megapixels resolution real time. Double-scan Wide Dynamic Range (120 dB), especially useful in locations with strong backlighting or where it is required to see both what is happening inside and outside (entrance areas).
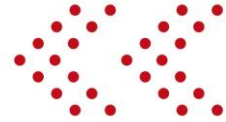
CMOS 1/3" | 4 MP | ICR | H. 265+ | POE | ONVIF | 0,01 Lux | LEDs IR 30 m | BLC
HLC | FIJA 2,8 | WDR 120 dB | SD | IP67 | IK 10

## 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.
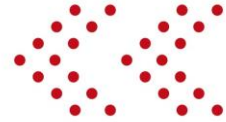
| CAMERA | |
|---|---|
| Image Sensor | 1/3" Progressive Scan CMOS |
| Min. Illumination | Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Slow Shutter | Yes |
| Auto-Iris | No |
| Day & Night | IR Cut Filter |
| Digital Noise Reduction | 3D DNR |
| WDR | 120dB |
| 3-Axis Adjustment | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355° |
| LENS | |
| Focal length | 2.8 mm |
| Aperture | F1.6 |
| Focus | Fixed |
| FOV | Horizontal FOV: 103°, vertical FOV: 58°, diagonal FOV: 123° |
| Lens Mount | M12 |
| IR | |
| IR Range | Up to 30 m |
| Wavelength | 850nm |
| COMPRESSION STANDARD | |
| Video Compression | Main stream: H.265/H.264<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264 |
| H.264 Type | 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 16 Mbps |
| SMART FEATURE SET | |
| Behavior Analysis | Line crossing detection, intrusion detection |
| Face Detection | Yes |
| Region of Interest | 1 fixed region for main stream and sub-stream |

# TBK-MD9642

## SPECIFICATIONS

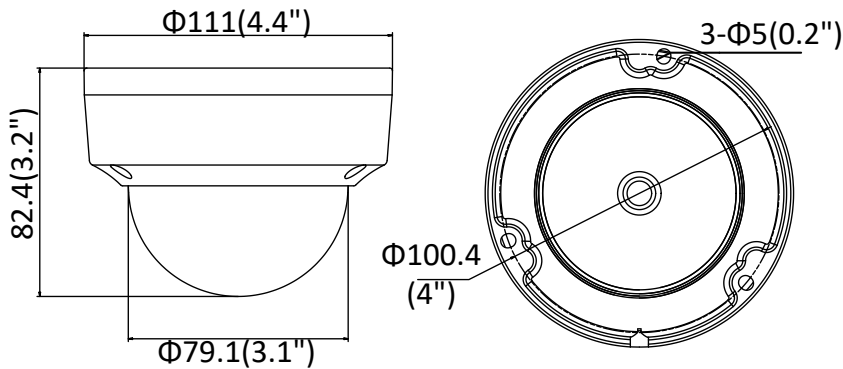| IMAGE | |
|---|---|
| Max. Resolution | 2688 × 1520 |
| Main Stream | 50Hz:25fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080) <br> 60Hz: 30fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080) |
| Sub-Stream | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) <br> 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240) |
| Third Stream | 50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) <br> 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240) |
| Image Enhancement | BLC/3D DNR/HLC |
| Image Setting | Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser |
| Target Cropping | No |
| Day/Night Switch | Day/Night/Auto/Schedule |
| NETWORK | |
| 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 full, HDD error |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |
| General Function | One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter |
| Firmware Version | V5.5.80 |
| API | ONVIF (PROFILE S, PROFILE G), ISAPI |
| Simultaneous Live View | Up to 6 channels |
| User/Host | Up to 32 users <br> 3 levels: Administrator, Operator and User |
| Client | TBK SuperVision App (TBK SuperV), TBK Novum Management Software |
| Web Browser | Plug-in required live view: <br> IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11 <br> Plug-in free live view: <br> Chrome 45.0+, Firefox 52.0+ |
| INTERFACE | |
| Communication Interface | 1 RJ45 10M/100M self-adaptive Ethernet port |
| Video Output | No |
| On-board storage | Built-in Micro SD/SDHC/SDXC slot, up to 128 GB |
| SVC | H.264 and H.265 encoding |
| Reset Button | Yes |

# TBK-MD9642

## SPECIFICATIONS

| GENERAL | |
|---|---|
| Operating Conditions | -30 °C to +60 °C (-22 °F to +140 °F), Humidity 95% or less (non-condensing) |
| Power Supply | 12 VDC ± 25%, Φ 5.5 mm coaxial power plug<br>PoE (802.3af, class 3) |
| Power Consumption and Current | 12 VDC, 0.5 A, max. 6 W<br>PoE (802.3af, 36 V to 57 V), 0.2 A to 0.1 A, max. 7.5 W |
| Protection Level | IP67, IK10 |
| Material | Camera body: metal, bubble: plastic |
| Dimensions | Camera: Φ 111 × 82.4 mm (Φ 4.4" × 3.2")<br>Package: 134 × 134 × 108 mm (5.3" × 5.3" × 4.3") |
| Weight | Camera: Approx. 610 g (1.3 lb.)<br>With Package: Approx. 820 g (1.8 lb.) |

## DIMENSIONS

Φ111(4.4")

82.4(3.2")

3-Φ5(0.2")

Φ100.4 (4")

Φ79.1(3.1")

Unit: mm

## ACCESSORIES

TBK-365C
Junction box

TBK-374P
Wall Bracket