




| | NVR TC-R324160 SPEC:E/B/N/V4.0.160 CHANNELS TIANDY | SWITCH POE IPB-5-10A-S4 5-PORT ATTE | IP CAMERA IPC-HFW2449S-S-IL-0280B-BLACK WizSense - 4 Mpx 2.8 mm DAHUA |
|------------------------------------|---|---|---|
| |  |  |  |
| | 123044.81 SEK 123044.81 SEK | 902.28 SEK 902.28 SEK | 2927.92 SEK 2927.92 SEK |
| Standard | TCP/IP | ... | TCP/IP |
| Sensor | ... | ... | 1/2.9 " Progressive Scan CMOS |
| Supported resolutions | max. 16 Mpx | ... | ... |
| Matrix size | ... | ... | 4 Mpx |
| Video outputs | 2 pcs HDMI 4K 2 pcs VGA • Video outputs are independent of each other • Simultaneous video display for VGA1/HDMI1 | ... | ... |
| LAN ports | ... | • 1 x RJ45 10/100 Base-T - Uplink • 5 x RJ45 10/100 Base-T - PoE (802.3af/at) / Passive PoE | ... |
| Audio support | Audio from cameras | ... | ... |
| Audio inputs | 1 pcs | ... | ... |
| Audio outputs | 1 pcs | ... | ... |
| Management | ... | — | ... |
| LED diodes | ... | Power, LAN | ... |
| Transmission speed | ... | 10 / 100 Mbps : 1 Port LAN + 5 LAN & PoE ports | ... |
| Supported hard drives | 24 x 18 TB SATA + 1 x eSATA | ... | ... |
| Recording modes | Manual, Motion Detection, Schedule | ... | ... |
| External storage devices backup | Backup to USB drive (pendrive, external drive) | ... | ... |
| Resolution | ... | ... | 2688 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 960 - 1.3 Mpx , 1280 x 720 - 720p |
| Scanning system | ... | ... | Progressive |
| Lens | ... | ... | 2.8 mm |
| Searching and playback the records | • Records searching: by time and events type. Records playback: forward, backward, fast, slow • Advanced searching (to the one second accuracy) • Playback max. 16 cameras in the same time | ... | ... |
| View angle | ... | ... | 95 ° |
| Maximal output power | ... | • 40 W @ Passive PoE - 1 ... 5 ports, • 30 W @ PoE (802.3at) - 1 ... 5 ports • 15.4 W @ PoE (802.3af) - 1 ... 5 ports | ... |
| Maximal total power | ... | 90 W | ... |
| Range of IR illumination | ... | ... | 30 m |

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|-----------------------------------|---|--|--|
| White light LED illuminator range | ... | ... | 30 m |
| Min. illumination | ... | ... | 0.008 Lux / F1.0 (color) |
| S/N ratio | ... | ... | > 56 dB |
| RS-485 interface | ... | ... | — |
| Memory card slot | ... | ... | Micro SD memory cards up to 256GB support (possible local recording) |
| Network functions | Full support via network, Remote records copying, Web-Server built-in | ... | ... |
| Image compression method | S+265 / H.265 / S+264 / H.264 | ... | H.265+ / H.265 / H.264+ / H.264 / MJPEG |
| Audio | ... | ... | <ul style="list-style-type: none"> • Microphone built-in • Audio detection |
| Main features | ... | <ul style="list-style-type: none"> • Supported PoE devices: 802.3af/at, Passive PoE • Possibility to connecting in cascade • Efficiency : 93 % @ 90 W • 5 polymer fuses - PoE • Possibility to power other devices powered from 55 V (screw connection) • PSU thermal protection • Short-circuit protection • Overload protection • The ability to independently turn on and off the PoE power for each of the LAN 1 ... LAN 4 ports • Switch has built-in a 55 V DC power supply adapter with power of 90 W • "Index of Protection" : IP55 | ... |
| Access from PC | Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express | ... | ... |
| Main stream frame rate | ... | ... | 20 fps @ 4 Mpx 25 fps @ 3.7 Mpx |
| Network interface | 4 x RJ-45 - 10 / 100 / 1000 Mbps | ... | 10/100 Base-T (RJ-45) |
| Alarm inputs / outputs | 16 / 8 | ... | — |
| Motion Detection | ✓ | ... | ... |
| Intelligent image analysis | — | ... | ... |
| USB | 2 x USB 2.0 + 1 x USB 3.0 | ... | ... |
| RS232 | 1 pcs | ... | ... |
| RS485 | 2 pcs | ... | ... |
| Mouse support | ✓ | ... | ... |
| IR remote controller in the set | — | ... | ... |
| Network protocols | ... | ... | IPv4/IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, NTP, Multicast, ICMP, IGMP |
| WEB Server | ... | ... | Built-in |
| Max. number of on-line users | ... | ... | 6 |
| ONVIF | ✓ | ... | 21.12 |
| Mobile phones support | Port no.: 3000 or access by a cloud (P2P) <ul style="list-style-type: none"> • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus | ... | Port no.: 37777 or access by a cloud (P2P) <ul style="list-style-type: none"> • Android: Free application DMSS • iOS (iPhone): Free application DMSS |

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|-------------------------------|---|--|---|
| Default IP address | DHCP or 192.168.1.2 | ... | 192.168.1.108 |
| Default admin user / password | admin / - The administrator password should be set at the first start | ... | admin / - The administrator password should be set at the first start |
| Web browser access ports | 80, 443, 3000, 3001, 3002, 23002 | ... | 80, 37777 |
| PC client access ports | 3000, 3001 | ... | 37777 |
| Mobile client access ports | 3000, 3001 | ... | 37777 |
| Port ONVIF | 80 | ... | 80 |
| RTSP URL | ... | ... | rtsp://admin:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 - Main stream rtsp://admin:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1 - Sub stream |
| Main features | <ul style="list-style-type: none"> • Possibility of operation the disks in RAID JBOD/0/1/5/6/10/50/60 array Support for Intelligent Image Analysis function, available in TIANDY cameras : • crossing the line (tripwire) • double crossing the line • abandoned/missing object • detection of loitering in a given area • running • parking detection • heat map • scene changing • signal loss indication • License plate recognition • detection of persons on duty • detection of people gathering • Parking monitoring mode • protective helmet detection • people counting • advanced face capture features (max 100 000 faces in the database) | ... | <ul style="list-style-type: none"> • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • ROI - improve the quality of selected parts of image • BLC/HLC - Back Light / High Light Compensation • Possibility to change the resolution, quality and bit rate • Smart motion detection (with recognizing people and vehicles) • Configurable Privacy Zones • Mirror - Mirror image • SMD PLUS - searching for an object classified as: human, motor vehicle • IVS analysis : intrusion, crossing the line (tripwire) - classification of people and vehicles video tampering |
| Power supply | 100 V ... 240 V AC | 180 ... 240 V AC - Built-in switching power supply | <ul style="list-style-type: none"> • PoE (802.3af), • 12 V DC / 360 mA |
| Power consumption | ... | ... | <ul style="list-style-type: none"> • ≤ 4.4 W @ 12 V DC • ≤ 5.2 W @ PoE |
| Housing | ... | ... | Compact - Metal |
| Color | ... | ... | Black |
| "Index of Protection" | ... | ... | IP67 |
| Vandal-proof | ... | ... | — |
| Operation temp | ... | ... | -40 °C ... 60 °C |
| Weight | 15.2 kg | 0.43 kg | 0.47 kg |
| Dimensions | 485 x 618 x 174 mm | 158 x 118 x 77 mm | 166 x 70 x 70 mm |



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|----------------------|---|---------|---|
| Supported languages | Polish, English, Albanian, Arabic, French, Hebrew, Spanish, Dutch, Korean, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian | ... | Polish, English, Czech, French, Spanish, Dutch, German, Russian, Portuguese, Romanian, Turkish, Ukrainian, Hungarian, Italian |
| Manufacturer / Brand | TIANDY | ATTE | DAHUA |
| Guarantee | 3 years | 3 years | 3 years |



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