




	IP SPEED DOME CAMERA OUTDOOR TC-H324S SPEC:23X/I/E/C/V3.0 - 1080p 5 ... 115 mm TIANDY	ACCESS CONTROLLER ASC2204C-H DAHUA	EXTENDER HDMI+USB- EX-70-4KV2
			
	6680.66 NOK 6680.66 NOK	8880.49 NOK 8880.49 NOK	2055.42 NOK 2055.42 NOK
Number of served transitions	...	4 (one-way)	...
Standard	IP	...	...
Support	...	DAHUA	...
Supported HDMI resolutions	...	...	max. 4K UHD @ 60 Hz
Sensor	1/2.8 " Progressive Scan CMOS	...	...
Number of supported readers	...	4 pcs	...
Matrix size	2 Mpx	...	...
Battery backup support	...	max. 7 Ah	...
Input lines	...	20 pcs	...
Output lines	...	12 pcs - Relay	...
Resolution	1920 x 1080 - 1080p , 1280 x 720 720p	...	...
Lens	5 ... 115 mm	...	...
Communication	...	<ul style="list-style-type: none"> • RS-485, • Ethernet, • Wiegand 34/26 	...
View angle	<ul style="list-style-type: none"> • 55 ° ... 3.2 ° (manufacturer data) • 57 ° ... 3.7 ° (our tests result)	...	...
Optical zoom	x 23	...	...
Digital zoom	—	...	...
Maximal transmission range	...	...	<ul style="list-style-type: none"> • 60 m - UTP cat. 6, 6A, 7 @ 4K UHD (manufacturer data) • 70 m - UTP cat. 5e @ 1080p (our tests result) • 20 m - UTP cat. 5e @ 4K UHD (our tests result) • 60 m - UTP cat. 6 @ 4K UHD (our tests result)
Range of IR illumination	150 m	...	...
Video output	—	...	...
Preset rotation speed	<ul style="list-style-type: none"> • 80 °/s (horizontal) • 80 °/s (vertical)	...	...

Rotation speed (manual control)	• 0.1 °/s ... 80 °/s (horizontal) • 0.1 °/s ... 80 °/s (vertical)	...	...
Horizontal rotation range	360 ° - continuous	...	...
Vertical rotation range	-16 ° ... 90 °	...	...
RS-485 interface	✓	...	...
Number of presets	500	...	...
Main features	...	<ul style="list-style-type: none"> • Support for 4 doors (20 inputs: 4x lock state, 4x door sensor, 4x exit button, 8x alarm line) • 200000 indexed users • History of 150000 events • Possibility to connecting in cascade • 128 General Purpose Schedules • Function to prevent of multiple use of the same code/card to gain access (anti-passback) • Door Left Open and Door Forced Open alarms • Tamper detection - opening the enclosure • Watchdog built-in • Remote programming from PC • Real time clock with battery backup • Metal housing • ONVIF compliance 	<ul style="list-style-type: none"> • Very good image quality with no visible distortions caused by compression, • No delays in video transmission, • No delays in mouse control operations • Designed to continuous operation 24/7
Horizontal scan	✓	...	...
Route settings	8	...	...
Operation temp	...	-30 °C ... 60 °C	-20 °C ... 60 °C
Image compression method	S+265 / H.265 / H.264 / MJPEG	...	...
Alarm inputs / outputs	—	...	...
Permissible relative humidity	...	max. 95 % (non-condensing)	0 % ... 90 % (non-condensing)
Audio	—	...	...
Main stream frame rate	25 fps @ 1080p	...	...
Network interface	10/100 Base-T (RJ-45)	...	...
WEB Server	Built-in	...	...
Max. number of on-line users	32	...	...
ONVIF	✓	...	...
Memory card slot	Micro SD card support up to 512GB	...	...

Mobile phones support	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	...	...
Access from PC	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	...	...
Default IP address	192.168.1.2	...	...
Default admin user / password	admin / - The administrator password should be set at the first start	...	...
Web browser access ports	80, 443, 3000, 3001, 3002, 23002	...	...
Mobile client access ports	3000, 3001	...	...
PC client access ports	3000, 3001	...	...
Port ONVIF	80	...	...
Intelligent image analysis	<ul style="list-style-type: none"> • classification of people and vehicles • crossing the line (tripwire) • double crossing the line • intrusion • abandoned/missing object • heat map • video tampering	...	...

Main features	<ul style="list-style-type: none"> • WDR - 120 dB - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • ROI - improve the quality of selected parts of image • F-DNR (Defog) - Reduction of image noise caused by precipitation • ANR - Automatic Network Replenishment allows to save image to the card when the network connection with DVR is break (network failure) and next synchronize its • BLC/HLC - Back Light / High Light Compensation • Day/night mode • ICR - Movable InfraRed filter • Motion Detection • Tamper signaling • Image rotation and mirror • Adaptive adjusting of the IR illuminator power to the lens zoom and outdoor light conditions 	...	<ul style="list-style-type: none"> • Extender also allows to extend an USB 2.0 port, eg. in order to control the recorder using the mouse • Support KVM function, • HDR10 support • Transition of the HDMI signal in the transmitter • EDID support • ESD protection
Power supply	<ul style="list-style-type: none"> • PoE (802.3at), • 12 V DC 	80 ... 260 V AC	5 V DC / 1 A - 2 pcs (included)
Power consumption	≤ 17.6 W	...	...
Housing	Speed Dome, Aluminum + Plastic (PC + ABS)	...	...
Color	White + Black	...	...
Operation temp	-30 °C ... 65 °C	...	...
"Index of Protection"	IP66	...	...
Vandal-proof	—	...	...
Weight	2.1 kg	2.77 kg	0.12 kg
Dimensions	Ø 161 x 276 mm (without bracket)	270 x 330 x 90 mm	85 x 75 x 20 mm - Transmitter or receiver dimensions
Supported languages	Polish, English, Albanian, Arabic, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Dutch, Hebrew, Vietnamese, German, Ukrainian, Portuguese	...	...
Manufacturer / Brand	TIANDY	DAHUA	...
Guarantee	3 years	3 years	2 years