	IP CAMERA TC-C321N SPEC:I3/E/Y/2.8MM - 1080p 2.8 mm TIANDY	IP CAMERA TC-C32UN SPEC:I8/A/E/Y/2.8-12MM/V4.2 - 1080p 2.8 ... 12 mm TIANDY	IP CAMERA TC-C32US SPEC:I8/A/E/Y/MS/H/2.7-13.5MM/V4.0 - 1080p 2.7 ... 13.5 mm - MOTOZOOM TIANDY	IP CAMERA TC-C32WN SPEC:I5/Y/WIFI/4MM/V4.1 Wi-Fi - 1080p 4 mm TIANDY	IP CAMERA TC-C34QN SPEC:I3/E/Y/2.8MM/V5.0 - 4 Mpx 2.8 mm TIANDY	IP CAMERA TC-C34QN SPEC:I5W/E/Y/2.8MM/V4.2 - 4 Mpx 2.8 mm TIANDY	IP CAMERA TC-C34UN SPEC:I8/A/E/Y/2.8-12MM/V4.2 - 4 Mpx 2.8 ... 12 mm TIANDY	IP CAMERA TC-C34UV SPEC:W/E/Y/M/S/4MM Color Maker - 4 Mpx 4 mm TIANDY	IP CAMERA TC-C34WP SPEC:W/E/Y/2.8MM/V4.0 Color Maker 2.8 mm TIANDY	IP HYBRID THERMAL IMAGING CAMERA TC-C35LQ SPEC:I5W/E/Y/T6MM/V4.2 - 6.8 mm - 720p - 5 Mpx 6 mm TIANDY	IP CAMERA TC-C35TS SPEC:I8/A/E/Y/M/H/2.7-13.5MM/V4.1 - 5 Mpx 2.7 ... 13.5 mm TIANDY	IP CAMERA TC-C35US SPEC:I8/A/E/Y/MS/H/2.7-13.5MM/V4.0 - 5 Mpx 2.7 ... 13.5 mm TIANDY	IP CAMERA TC-C35WQ SPEC:I5W/E/Y/2.8MM/V4.2 - 5 Mpx 2.8 TIANDY	IP CAMERA TC-C35WS SPEC:I5/E/Y/2.8MM/V4.0 - 5 Mpx 2.8 mm TIANDY	IP CAMERA TC-C35WS SPEC:I5/E/Y/M/H/2.8MM/V4.1 - 5 Mpx 2.8 mm TIANDY	IP CAMERA TC-C35WS SPEC:I5/E/Y/MS/H/2.8MM/V4.0 - 5 Mpx 2.8 mm TIANDY	IP CAMERA TC-C38TS SPEC:I8/A/E/Y/M/H/2.7-13.5MM/V4.0 - 8 Mpx 2.7 ... 13.5 mm TIANDY	IP CAMERA TC-C38WQ SPEC:I5W/E/Y/2.8MM/V4.2 - 8 Mpx 2.8 mm TIANDY	IP CAMERA TC-C38WS SPEC:I5/E/Y/M/2.8MM/V4.0 - 8 Mpx 4K UHD 2.8 mm TIANDY	IP CAMERA TC-C38WS SPEC:I5/E/Y/M/H/2.8MM/V4.0 - 8 Mpx 4K UHD 2.8 mm TIANDY
	194.00 PLN 194.00 PLN	663.00 PLN 663.00 PLN	1061.00 PLN 1061.00 PLN	508.00 PLN 508.00 PLN	342.00 PLN 342.00 PLN	431.00 PLN 431.00 PLN	795.00 PLN 795.00 PLN	1326.00 PLN 1326.00 PLN	795.00 PLN 795.00 PLN	6631.00 PLN 6631.00 PLN	1768.00 PLN 1768.00 PLN	1149.00 PLN 1149.00 PLN	1061.00 PLN 1061.00 PLN	707.00 PLN 707.00 PLN	1193.00 PLN 1193.00 PLN	994.00 PLN 994.00 PLN	2431.00 PLN 2431.00 PLN	1237.00 PLN 1237.00 PLN	1215.00 PLN 1215.00 PLN	1503.00 PLN 1503.00 PLN
Pixel pitch	...	...	...	...	...	...	...	...	...	12 µm	...	...	...	...	...	...	...	...	...	...	...
Thermal sensitivity (NETD)	...	...	...	...	...	...	...	...	...	< 55 mK @ F1.1	...	...	...	...	...	...	...	...	...	...	...
Spectral range	...	...	...	...	...	...	...	...	...	8 µm ... 14 µm	...	...	...	...	...	...	...	...	...	...	...
White light LED illuminator range	...	...	...	...	...	15 m	...	15 m	15 m	...	...	...	15 m	...	...	...	...	15 m	...	...	...
Resolution	1920 x 1080 - 1080p , 1280 x 720 - 720p	1920 x 1080 - 1080p , 1280 x 720 - 720p	1920 x 1080 - 1080p , 1280 x 720 - 720p	1920 x 1080 - 1080p , 1280 x 720 - 720p	2688 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	2688 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	2688 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	2688 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	2592 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	1280 x 720 px - 720p , 704 x 576 px , 640 x 480 px , 352 x 288 px 2880 x 1620 - 5 Mpx 2688 x 1520 - 4 Mpx 2560 x 1440 - 3.7 Mpx 2304 x 1296 - 3 Mpx	2880 x 1620 - 5 Mpx , 2688 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	2880 x 1620 - 5 Mpx , 2688 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	2880 x 1620 - 5 Mpx , 2688 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	2592 x 1944 - 5 Mpx , 2592 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	2880 x 1620 - 5 Mpx , 2688 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	2880 x 1620 - 5 Mpx , 2688 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	3840 x 2160 - 8 Mpx , 3072 x 2048 - 6 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	3840 x 2160 - 8 Mpx , 3072 x 2048 - 6 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	3840 x 2160 - 8 Mpx 4K UHD , 3072 x 2048 - 6 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p	3840 x 2160 - 8 Mpx 4K UHD , 3072 x 2048 - 6 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p
Sensor	1/3 " Progressive Scan CMOS	1/2.8 " Progressive Scan CMOS	1/2.8 " Progressive Scan CMOS	1/2.8 " Progressive Scan CMOS	1/3 " Progressive Scan CMOS	1/2.9 " Progressive Scan CMOS	1/2.9 " Progressive Scan CMOS	1/1.8 " Progressive Scan CMOS	1/2.8 " Progressive Scan CMOS	Uncooled VOx microbolometer 1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.8 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.8 " Progressive Scan CMOS	1/2.8 " Progressive Scan CMOS	1/2.8 " Progressive Scan CMOS	1/2.8 " Progressive Scan CMOS
Lens	2.8 mm	2.8 ... 12 mm - Motozoom	2.7 ... 13.5 mm - Motozoom	4 mm	2.8 mm	2.8 mm	2.8 ... 12 mm - Motozoom	4 mm	2.8 mm	6.8 mm 6 mm	2.7 ... 13.5 mm Motozoom	2.7 ... 13.5 mm - Motozoom	2.8	2.8 mm	2.8 mm	2.8 mm	2.7 ... 13.5 mm Motozoom	2.8 mm	2.8 mm	2.8 mm
View angle	• 100 * (manufacturer data) • 94 * (our tests result)	• 108 * ... 31 * (manufacturer data) • 98 * ... 31 * (our tests result)	94 * ... 31 *	83 *	92 *	100 *	104 * ... 30 *	• 94 * (manufacturer data) • 90 * (our tests result)	• 100 * (manufacturer data) • 90 * (our tests result)	26 * 53 *	98 * ... 32 *	98 * ... 32 *	104 *	94 *	104 *	104 *	106 * ... 31 *	105 *	105 *	105 *
Range of IR illumination	30 m	80 m	80 m	50 m	30 m	50 m	80 m	...	...	50 m	80 m	80 m	50 m	50 m	50 m	50 m	80 m	50 m	50 m	50 m
Standard	IP	IP	IP	IP	IP	IP	IP	IP	IP	IP	IP	IP	IP	IP	IP	IP	IP	IP	IP	IP
Video output	...	...	...	...	...	...	...	...	...	—	...	...	...	...	...	...	...	...	...	...
RS-485 interface	...	...	...	...	...	...	—	...	...	✓	✓	—	...	...	...	...	✓	...	...	...
Memory card slot	—	Micro SD card support up to 512GB	Micro SD card support up to 512GB	Micro SD card support up to 512GB	—	—	Micro SD card support up to 512GB	Micro SD card support up to 512GB	Micro SD card support up to 512GB	Micro SD card support up to 512GB	Micro SD card support up to 512GB	Micro SD card support up to 512GB	Micro SD card support up to 512GB	Micro SD card support up to 512GB	Micro SD card support up to 512GB	Micro SD memory cards up to 512GB support (possible local recording)	Micro SD card support up to 512GB	Micro SD card support up to 512GB	Micro SD card support up to 512GB	Micro SD card support up to 512GB
Image compression method	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264	S+265 / H.265 / H.264
Alarm inputs / outputs	—	—	1 / 1	—	—	—	—	—	—	2 / 1	2 / 1	1 / 1	1 / 1	—	1 / 1	1 / 1	2 / 1	1 / 1	—	1 / 1
Network interface	10/100 Base-TX (RJ-45)	10/100 Base-TX (RJ-45)	10/100 Base-TX (RJ-45)	—	...	10/100 Base-TX (RJ-45)	...	...	...	...	...	10/100 Base-TX (RJ-45)	...	...	...	...	...	...	...	...
Audio	• Microphone built-in • Audio transmission via network	• Microphone built-in • Audio transmission via network	• Microphone built-in, • Audio input • Audio output • Bi-directional audio streaming support • Audio transmission via network • Compliance with the AAC standard	• Microphone built-in • Audio transmission via network	• Microphone built-in • Audio transmission via network	• Microphone built-in • Audio transmission via network	• Microphone built-in • Audio transmission via network	• Microphone built-in • Audio transmission via network	• Microphone built-in • Audio transmission via network	• Microphone built-in, • Speaker built-in • Audio input • Bi-directional audio streaming support • Audio output	• Microphone built-in • Audio input • Audio output • Audio transmission via network • Bi-directional audio streaming support • Compliance with the AAC standard	• Microphone built-in, • Audio input • Audio output • Audio transmission via network • Bi-directional audio streaming support • Compliance with the AAC standard	• Microphone built-in, • Speaker built-in • Audio input • Audio output • Bi-directional audio streaming support • Audio transmission via network	• Microphone built-in • Audio transmission via network	• Microphone built-in, • Audio input • Audio output • Bi-directional audio streaming support • Audio transmission via network • Compliance with the AAC standard	...	• Microphone built-in, • Audio input • Audio output • Bi-directional audio streaming support • Audio transmission via network • Compliance with the AAC standard	• Microphone built-in, • Audio input • Speaker built-in • Bi-directional audio streaming support • Audio transmission via network • Compliance with the AAC standard	• Microphone built-in • Audio transmission via network • Compliance with the AAC standard	• Microphone built-in • Audio input • Audio output • Bi-directional audio streaming support • Audio transmission via network • Compliance with the AAC standard
Main stream frame rate	25 fps @ 2 Mpx	25 fps @ 1080p	25 fps @ 1080p	25 fps @ 1080p	20 fps @ 4 Mpx	25 fps @ 4 Mpx	25 fps @ 4 Mpx	25 fps @ 4 Mpx 50 fps @ 1080p	25 fps @ 4 Mpx	• 25 fps @ 1280 x 960 • 25 fps @ 5 Mpx	• 25 fps @ 5 Mpx • 50 fps @ 2 Mpx	• 25 fps @ 5 Mpx • 50 fps @ 2 Mpx	• 25 fps @ 5 Mpx • 50 fps @ 2 Mpx	• 20 fps @ 5 Mpx • 25 fps @ 4 Mpx	• 25 fps @ 5 Mpx • 50 fps @ 2 Mpx	• 25 fps @ 5 Mpx • 50 fps @ 2 Mpx	• 25 fps @ 5 Mpx • 50 fps @ 2 Mpx	20 fps @ 8 Mpx 25 fps @ 3.7 Mpx	20 fps @ 8 Mpx • 25 fps @ 3.7 Mpx	25 fps @ 8 Mpx
Interface	...	...	...	...	10/100 Base-TX (RJ-45)	...	10/100 Base-TX (RJ-45)	10/100 Base-TX (RJ-45)	10/100 Base-TX (RJ-45)	10/100 Base-T (RJ-45)	10/100 Base-TX (RJ-45)	...	10/100 Base-TX (RJ-45)	10/100 Base-TX (RJ-45)	10/100 Base-TX (RJ-45)	10/100 Base-TX (RJ-45)	10/100 Base-TX (RJ-45)	10/100 Base-TX (RJ-45)	10/100 Base-TX (RJ-45)	10/100 Base-TX (RJ-45)
WEB Server	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in
Max. number of on-line users	1	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2
ONVIF	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mobile phones support	—	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	Port no.: 3000 or access by a cloud (P2P) • Android: Free application EasyLive Plus • iOS (iPhone): Free application EasyLive Plus	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	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express	Port no.: 3000 or access by a cloud (P2P) - PC: Free application Easy7 Smart Client Express
Default IP address	DHCP or 192.168.1.2	DHCP or 192.168.1.2	DHCP or 192.168.1.2	DHCP or 192.168.1.2	DHCP or 192.168.1.2	DHCP or 192.168.1.2	DHCP or 192.168.1.2	DHCP or 192.168.1.2	DHCP or 192.168.1.2	DHCP or 192.168.1.2	192.168.1.2	192.168.1.2	192.168.1.2	DHCP or 192.168.1.2	192.168.1.2	192.168.1.2	DHCP or 192.168.1.2	192.168.1.2	DHCP or 192.168.1.2	DHCP or 192.168.1.2
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	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	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	80, 443, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002	80, 3000, 3001	80, 433, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002	80, 433, 3000, 3001, 3002, 23002	80, 433, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002	80, 443, 3000, 3001, 3002, 23002
Mobile client access ports	...	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001
PC client access ports	...	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001	3000, 3001
Port ONVIF	80	80	80	80	80	80	...	80	80	80	80	80	80	80	80	80	80	80	80	80
Intelligent image analysis	...	...	• face detection • Audio detection • video tampering • crossing the line (tripwire) • intrusion • classification of people and vehicles	...	—	• crossing the line (tripwire) • intrusion	• crossing the line (tripwire) • intrusion	• classification of people and vehicles • crossing the line (tripwire) • video tampering	• crossing the line (tripwire) • intrusion • video tampering	• crossing the line (tripwire) • intrusion • classification of people and vehicles	• classification of people and vehicles • crossing the line (tripwire) • abandoned/missing object • illegal parking • people counting • detection of people gathering • heat map • detection of loitering in a given area • running • protective helmet detection • detection of persons on duty • video tampering	• classification of people and vehicles • crossing the line (tripwire) • video tampering • face detection	• classification of people and vehicles • crossing the line (tripwire) • video tampering	• crossing the line (tripwire) • intrusion	• classification of people and vehicles • crossing the line (tripwire) • double crossing the line • abandoned/missing object • illegal parking • people counting • detection of people gathering • heat map • detection of loitering in a given area • running • protective helmet detection • detection of persons on duty • video tampering	• classification of people and vehicles • video tampering • crossing the line (tripwire) • face detection	• crossing the line (tripwire) • video tampering • detection of persons on duty • protective helmet detection • detection of people gathering • people counting • illegal parking • running • detection of loitering in a given area • heat map • abandoned/missing object • classification of people and vehicles • double crossing the line	• classification of people and vehicles • crossing the line (tripwire) • intrusion • video tampering • Audio detection	• classification of people and vehicles • intrusion • crossing the line (tripwire)	• classification of people and vehicles • video tampering • detection of persons on duty • protective helmet detection • detection of people gathering • people counting • parking detection • running • detection of loitering in a given area • heat map • abandoned/missing object • double crossing the line • crossing the line (tripwire) • intrusion
Vandal-proof	—	...	—	...	...	...	...	...	...	...	...	—	...	...	—	—	...	...	—	...

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Main features	• D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Day/night mode • Possibility to change the resolution, quality and bit rate • Privacy zones • Motion Detection	• D-WDR - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • 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 • ICR - Movable InfraRed filter • Day/night mode • Possibility to change the resolution, quality and bit rate • Motion Detection • Privacy zones	• WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • 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 • ICR - Movable InfraRed filter • Day/night mode • Possibility to change the resolution, quality and bit rate	• Wi-Fi module, Range : 50 m • 2D-DNR, 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • BLC/HLC - Back Light / High Light Compensation • Privacy zones - max. 4 • Motion Detection • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Day/night mode • Motion Detection	• WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Day/night mode • Possibility to change the resolution, quality and bit rate	• WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • AGC - Automatic Gain Control • ROI - improve the quality of selected parts of image • 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 • ICR - Movable InfraRed filter • Possibility to change the resolution, quality and bit rate • Day/night mode • Privacy zones • Motion Detection	• WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • AGC - Automatic Gain Control • 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 • Color maker - colorful night mode • Corridor mode • Possibility to change the resolution, quality and bit rate • NAS - Network Attached Storage support • Motion Detection	• WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • AGC - Automatic Gain Control • 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 • Color maker - colorful night mode • Motion Detection	• WDR - Wide Dynamic Range • ROI - improve the quality of selected parts of image • 3D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Day/Night mode (color/b&w/auto) • Auto White Balance • AGC - Automatic Gain Control • Sharpness - sharper image outlines • Motion Detection • Detection of people smoking cigarettes • High temperature indication	• Motozoom lens • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • NAS - Network Attached Storage support - allows to connect memory resources directly to the computer network • 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 • ICR - Movable InfraRed filter • Day/night mode • Possibility to change the resolution, quality and bit rate • Audio detection	• Motozoom lens • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • NAS - Network Attached Storage support - allows to connect memory resources directly to the computer network • 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 • Early Warning (EW) - combination of white light warning with audio signals • ICR - Movable InfraRed filter • Day/night mode • Possibility to change the resolution, quality and bit rate • Audio detection	• WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • NAS - Network Attached Storage support - allows to connect memory resources directly to the computer network • 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 • ICR - Movable InfraRed filter • Day/night mode • Possibility to change the resolution, quality and bit rate • Audio detection	• WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • Corridor mode • NAS - Network Attached Storage support - allows to connect memory resources directly to the computer network • 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 • ICR - Movable InfraRed filter • Day/night mode • Possibility to change the resolution, quality and bit rate	• WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • Corridor mode • NAS - Network Attached Storage support - allows to connect memory resources directly to the computer network • 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 • ICR - Movable InfraRed filter • Day/night mode • Possibility to change the resolution, quality and bit rate	• WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • NAS - Network Attached Storage support - allows to connect memory resources directly to the computer network • 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 • ICR - Movable InfraRed filter • Day/night mode • Motion Detection	• WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • NAS - Network Attached Storage support - allows to connect memory resources directly to the computer network • 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 • ICR - Movable InfraRed filter • Day/night mode • Motion Detection
Protections	• Overvoltage protection : 2 kV • Protection against lightning discharges : 6 kV																	• Overvoltage protection : 2 kV • Protection against lightning discharges : 6 kV				
Power supply	• PoE (802.3af)	• PoE (802.3af), • 12 V DC / 590 mA	• PoE (802.3af), • 12 V DC / 590 mA	12 V DC	PoE (802.3af)	• PoE (802.3af), • 12 V DC / 590 mA	• PoE (802.3af), • 12 V DC / 590 mA	• PoE (802.3af), • 12 V DC / 708 mA	• PoE (802.3af), • 12 V DC / 590 mA	• PoE (802.3af), • 12 V DC	• PoE (802.3af), • 12 V DC / 875 mA	• PoE (802.3af), • 12 V DC / 875 mA	• PoE (802.3af), • 12 V DC / 670 mA	• PoE (802.3af), • 12 V DC / 590 mA	• PoE (802.3af), • 12 V DC / 670 mA	• PoE (802.3af), • 12 V DC / 670 mA	• PoE (802.3af), • 12 V DC / 875 mA	• PoE (802.3af), • 12 V DC / 590 mA	• PoE (802.3af), • 12 V DC / 590 mA	• PoE (802.3af), • 12 V DC / 590 mA	• PoE (802.3af), • 12 V DC / 590 mA
Power consumption	≤ 6 W	≤ 7 W	≤ 7 W	≤ 6 W	≤ 6 W	≤ 7 W	≤ 7 W	≤ 9.5 W	≤ 7 W	≤ 9 W	≤ 10.5 W	≤ 10,5 W	≤ 8 W	≤ 7 W	≤ 8 W	≤ 8 W	≤ 10.5 W	≤ 8.5 W	≤ 8.5 W	≤ 8 W	≤ 8 W	≤ 8 W
Housing	Compact - Metal + Plastic	Dome - Metal + Plastic	Compact - Metal + Plastic	Compact, Metal + Plastic	Compact - Metal + Plastic	Compact - Metal + Plastic	Dome - Metal + Plastic	Compact - Metal	Compact - Metal + Plastic	Compact - Metal	Compact - Metal	Compact - Metal	Compact - Metal	Compact - Metal + Plastic	Compact - Metal	Compact - Metal	Compact - Metal + Plastic	Compact - Metal	Compact - Metal	Compact - Metal	Compact - Metal	Compact - Metal
Color	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White
"Index of Protection"	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Mechanical protection class		—			—	—	—	—	—	—	—		—	—	—			IK10	—			—
Operation temp	-30 °C ... 60 °C	-30 °C ... 60 °C	-30 °C ... 60 °C	-40 °C ... 65 °C	-30 °C ... 60 °C	-30 °C ... 60 °C	-30 °C ... 60 °C	-40 °C ... 65 °C	-40 °C ... 65 °C	-40 °C ... 65 °C	-35 °C ... 65 °C	-35 °C ... 65 °C	-40 °C ... 65 °C	-40 °C ... 65 °C	-40 °C ... 65 °C	-40 °C ... 65 °C	-35 °C ... 65 °C	-40 °C ... 65 °C	-40 °C ... 65 °C	-40 °C ... 65 °C	-40 °C ... 65 °C	-40 °C ... 65 °C
Weight	0.21 kg	0.43 kg	0.95 kg	0.31 kg	0.21 kg	0.23 kg	0.43 kg	0.91 kg	0.3 kg	1.47 kg	1.15 kg	0.94 kg	0.52 kg	0.31 kg	0.51 kg	0.51 kg	1.15 kg	0.52 kg	0.5 kg	0.51 kg	0.51 kg	0.52 kg
Dimensions	164 x 73 x 73 mm	204 84 x 76 mm	239 x 90 x 90 mm	161 x 81 x 72 mm	164 x 73 x 73 mm	164 x 72 x 72 mm	204 x 84 x 76 mm	239 x 90 x 90 mm	160 x 73 x 73 mm	327 x 115 x 109 mm	265 x 105 x 105 mm	239 x 90 x 90 mm	170 x 71 x 71 mm	160 x 73 x 73 mm	162 x 71 x 71 mm	162 x 71 x 71 mm	265 x 105 x 105 mm	170 x 71 x 71 mm	160 x 73 x 73 mm	160 x 73 x 73 mm	265 x 105 x 105 mm	160 x 73 x 73 mm
Supported languages	English	Polish, English, Albanian, Arabic, Spanish, Korean, French, Dutch, Hebrew, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian	Polish, English, Albanian, Arabic, French, Hebrew, Spanish, Dutch, Korean, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian	Polish, English, Albanian, Arabic, Spanish, Korean, Italian, French, Dutch, Hebrew, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese	Polish, English, Albanian, Arabic, Spanish, Korean, French, Dutch, Hebrew, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian	Polish, English, Chinese, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Dutch, Hebrew, Arabic, Vietnamese, German, Ukrainian, Portuguese, Albanian	Polish, English, Albanian, Arabic, Spanish, Korean, French, Dutch, Hebrew, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian	Polish, English, Albanian, Arabic, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Dutch, Hebrew, Arabic, Vietnamese, German, Ukrainian, Portuguese	Polish, English, Albanian, Arabic, Spanish, Korean, French, Dutch, Hebrew, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian	Polish, English, Albanian, Arabic, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Dutch, Hebrew, Hebrew, Dutch, Korean, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian	Polish, Albanian, English, Arabic, Spanish, French, Hebrew, Dutch, Korean, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian	Polish, English, Albanian, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Dutch, Hebrew, Arabic, Vietnamese, German, Ukrainian, Portuguese	Polish, English, Arabic, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Dutch, Hebrew, Vietnamese, German, Ukrainian, Portuguese, Albanian	Polish, English, Spanish, Korean, Italian, Turkish, Russian, Thai, French, Dutch, Hebrew, Arabic, Vietnamese, German, Ukrainian, Portuguese, Albanian	Polish, English, Albanian, Arabic, Spanish, Korean, French, Dutch, Hebrew, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian	Polish, English, Albanian, Arabic, French, Hebrew, Spanish, Dutch, Korean, Portuguese, German, Russian, Thai, Turkish, Ukrainian, Italian, Vietnamese	Polish, English, Albanian, Arabic, French, Hebrew, Spanish, Dutch, Korean, Portuguese, German, Russian, Thai, Turkish, Ukrainian, Italian, Vietnamese	Polish, English, Albanian, Arabic, French, Hebrew, Spanish, Dutch, Korean, Portuguese, German, Russian, Thai, Turkish, Ukrainian, Italian, Vietnamese	Polish, English, Albanian, Arabic, French, Hebrew, Spanish, Dutch, Korean, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian	Polish, English, Albanian, Arabic, French, Hebrew, Spanish, Dutch, Korean, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian	Polish, English, Albanian, Arabic, Spanish, Korean, French, Dutch, Hebrew, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian	Polish, English, Albanian, Spanish, Korean, French, Dutch, Hebrew, Arabic, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Thai, Turkish, Vietnamese, Italian
Manufacturer / Brand	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY	TIANDY
Guarantee	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years