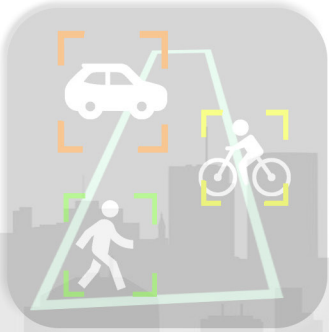
Ultra H.265 | IQ | Super Starlight | Built-in Mic | Edge Storage | Audio I/O Alarm I/O | Smart Intrusion Prevention | WDR | Corridor Mode | Warm White LED | Active deterrence



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IP Video: 2021 Q4

ver.: 1.03

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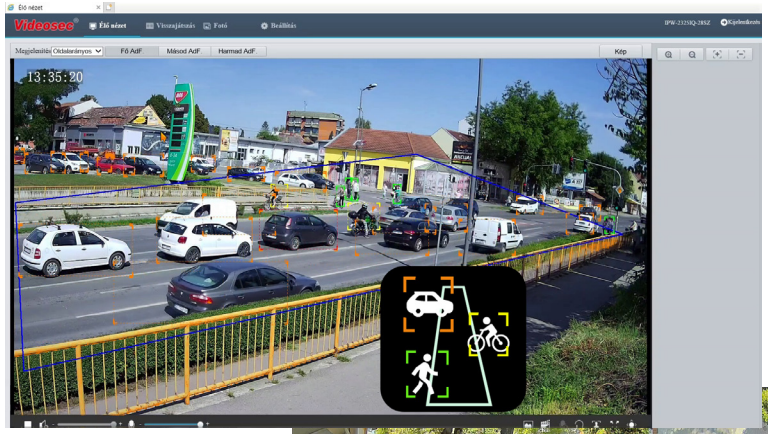
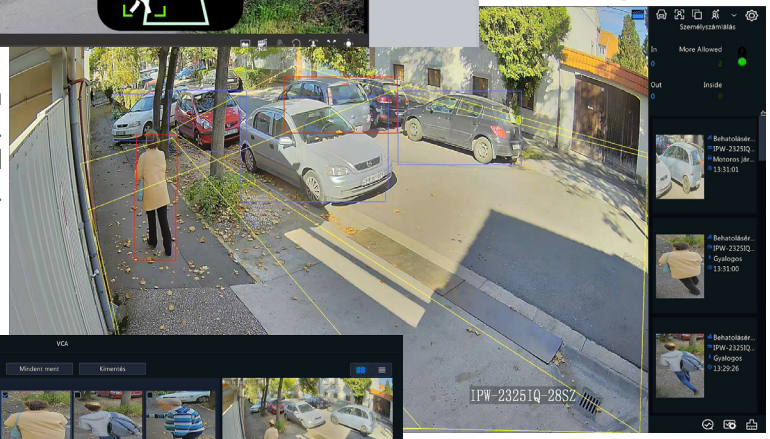
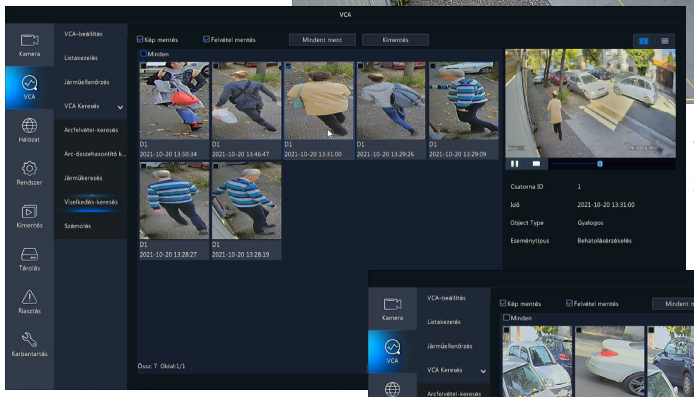


IQ image analytics is able to follow over 20 recognised objects simultaneously.

IQ VCA

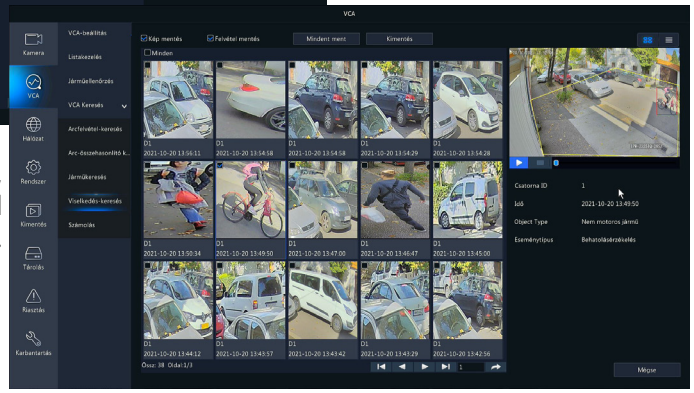
IQ alarm events can be listed in realtime as they occur. The list can be narrowed to selected object types.





VCA behaviour search supports selecting only one object type to list, like human body/passenger...

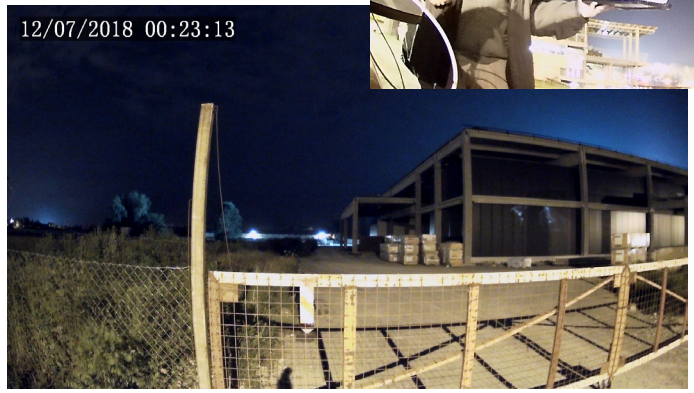
... or we can query the list of all intrusions, that can also be batch exported to eSATA/USB drive.



Super StarLight

Super Starlight cameras with warm white LED (that can be disabled) supply full color image 0-24h, all day.

Star constellations can also be made visible in the image of Starlight cameras.



In very dim light, when human eye barely sees anything, Starlight cameras still deliver colour image.

Entry level Smart IQ cameras

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model name	IPW-2122LS-40F	IPD-3612LS-28F	IPW-2122LSA-28WAL	IPW-2124LSA-28F/40F	IPD-3614LSA-28F	IPW-2324LSA-28Z	IPW-2122-40WiFi	IPD-3234L-28ZD	model name
description	Starlight PoE IP bullet	Starlight PoE IP dome	Starlight PoE IP w. white LED	Starlight PoE IP bullet	Starlight PoE IP dome	Starlight PoE IP motorized bullet	WiFi IP bullet w. VCA, µSD	PoE IP motorized dome	description
sensor	1/2.7" 2MP FullHD	1/2.7" 2MP FullHD	1/2.8" 2MP FullHD	1/3" 4MP 2688x1520	1/3" 4MP 2688x1520	1/3" 4MP 2688x1520	1/2.7" 2MP FullHD	1/3" 4MP 2592x1520	sensor
max. frame rate	30fps / 25fps	30fps / 25fps	30fps / 25fps	30fps / 25fps	30fps / 25fps	30fps / 25fps	20fps	20fps	max. frame rate
lens	4mm f/1.6, 86.5° fixed	2.8mm f/1.6, 112.7° fixed	2.8mm f/1.6, 106.7° fixed	2.8mm f/1.6, 101.1° 4mm f/1.6, 83.7°	2.8mm f/1.6, 101.1° fixed	2.8mm-12mm f/1.6, 107°-35° motorized, autofocus	4mm f/2, 86.5° fixed	2.8mm-12mm f/1.6, 107°-28.4° motorized, autofocus	lens
minimal illumination	0.002 lux @color	0.002 lux @color	0.002 lux @color	0.003 lux @color	0.003 lux @color	0.003 lux @color	0.02 lux @color	0.01 lux @color	minimal illumination
0 lux light source, light range	IR, 850nm 50m max	IR, 850nm 30m max	IR 850nm + White LED 30m max / 30m max	IR 850nm 50m max	IR 850nm 30m max	IR 850nm 50m max	IR, 850nm 30m max	IR 850nm 30m max	0 lux light source, light range
wide dynamic range	dWDR	dWDR	120dB	120dB	120dB	120dB	dWDR	dWDR	wide dynamic range
video compression	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	video compression
video streams	1. 2MP 1920x1080 2. D1/4CIF 704x576	1. 2MP 1920x1080 2. D1/4CIF 704x576	1. 2MP 1080p 2. 720p max 3. CIF 352x288	1. 4M (2688x1520) 2. 720p max	1. 4M (2688x1520) 2. 720p max	1. 4M (2688x1520) 2. 720p max	1. 2MP 1920x1080 2. 720p max 3. D1/4CIF max	1. 4M (2592x1520) 2. 720p max 3. D1/4CIF max	video streams
9:16 corridor mode	-	-	±90°	±90°	±90°	±90°	-	-	9:16 corridor mode
OSD / privacy mask	8 / 4	8 / 4	4 / 4	4 / 4	4 / 4	4 / 4	4 / 4	4 / 4	OSD / privacy mask
audio source	-	-	built-in microphone	built-in microphone	built-in microphone	built-in microphone	-	-	audio source
audio output	-	-	built-in speaker	-	-	-	-	-	audio output
VCA, image analytics	1x human body detection zone	1x human body detection zone	4x intrusion detection 4x crossline detection trigger based on vehicle & human body detection	4x intrusion detection 4x crossline detection trigger based on vehicle & human body detection	4x intrusion detection 4x crossline detection trigger based on vehicle & human body detection	4x intrusion detection 4x crossline detection trigger based on vehicle & human body detection	1x intrusion detection zone 1x human body detection zone	1x intrusion detection zone 1x human body detection zone	VCA, image analytics
in-camera storage option	-	-	microSD 128GB max	microSD 256GB max	microSD 256GB max	microSD 256GB max	microSD 256GB max	microSD 256GB max	in-camera storage option
ANR function	-	-	records on network disconnect	records on network disconnect	records on network disconnect	records on network disconnect	records on network disconnect	records on network disconnect	ANR function
reset button	-	-	-	-	-	1	1	1	reset button
ingress protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	ingress protection
vandal resistance	-	-	-	-	-	-	-	IK10	vandal resistance
power source, max consumption (W)	PoE (IEEE 802.3af), DC 12V±25%, 6W max	PoE (IEEE 802.3af), DC 12V±25%, 6W max	PoE (IEEE 802.3af), DC 12V±25%, 9W max	PoE (IEEE 802.3af), DC 12V±25%, 6W max	PoE (IEEE 802.3af), DC 12V±25%, 6W max	PoE (IEEE 802.3af), DC 12V±25%, 8.5W max	DC 12V±25%, 5.5W max	PoE (IEEE 802.3af), DC 12V±25%, 7W max	power source, max consumption (W)
surge protection				4kV	2kV	6kV		6kV	surge protection
weight	0.5kg	0.3kg	0.4kg	0.45kg	0.45kg	0.55kg	0.5kg	0.92kg	weight
dimensions	191 x 73 x 71mm	Ø 118 x 96mm	191 x 75 x 74mm	191 x 73 x 71mm	Ø 118 x 96mm	206 x 74 x 74mm	163 x 63 x 63mm	Ø 148 x 111mm	dimensions
junction boxes, wall/pole mounting	TR-JB05-B-IN	TR-JB03-I-IN TR-WM03-B-IN	TR-JB05-B-IN	TR-JB05-B-IN	TR-JB03-I-IN	TR-JB05-B-IN	TR-JB05-A-IN TR-UP06-B-IN	TR-JB04-C-IN	junction boxes, wall/pole mounting
additional notices	Starlight image quality in simplest possible camera	Starlight image quality in simplest possible camera	White LEDs for colour image in 0-24h active deterrence, IQ-based VCA	IQ-based VCA: vehicles and humans trigger, leaves, animals don't trigger	IQ-based VCA: vehicles and humans trigger, leaves, animals don't trigger	IQ-based VCA: vehicles and humans trigger, leaves, animals don't trigger	802.11b/g/n WiFi network connection when LAN is disconnected	best value for money, usable as stand-alone system with local µSD recording	additional notices

Smart IQ cameras

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model name	IPW-2125IQ-40SA	IPD-325IQ-28S	IPD-3615IQ-28SWAL	IPW-2225IQ-40SWX	IPW-2325IQ-28SZ	IPD-3235IQ-28SZA	IPW-2128IQ-28WAL	model name
description	IQ Starlight PoE IP bullet w. built-in microphone	IQ Starlight PoE IP dome w. alarm IN/OUT + audio IN/OUT	IQ Starlight PoE IP turret/eyeball w. active deterrence & white LED	IQ Super Starlight PoE IP bullet w. white LED, 0-24h color image	IQ Starlight PoE IP bullet w. motorised AF lens	IQ Starlight PoE IP dome w. motorised AF lens	IQ Starlight PoE IP bullet w. active deterrence & white LED	description
sensor	1/2.7" 5MP BSI CMOS	1/2.7" 5MP BSI CMOS	1/2.7" 5MP BSI CMOS	1/2.7" 5MP BSI CMOS	1/2.7" 5MP BSI CMOS	1/2.7" 5MP BSI CMOS	1/2.7" 8MP (4K) BSI CMOS	sensor
max. frame rate	30fps / 25fps	20fps / 25fps / 30fps	30fps / 25fps	30fps / 25fps	30fps / 25fps	30fps / 25fps	20fps	max. frame rate
lens	4mm f/1.6, 86.5° fixed	2.8mm f/1.6, 97.7° fixed	2.8mm f/1.6, 112.7° fixed	4mm **f/1.0**, 80.2° fixed	2.7-13.5mm f/1.2 106°-30° motorised autofocus	2.7-13.5mm f/1.2 106°-30° motorised autofocus	2.8mm f/2.0, 112.4° fixed	lens
min. illumination	0.003 lux color	0.003 lux color	0.003 lux color (0 lux wLED)	0.001 lux color (0 lux wLED)	0.002 lux color	0.002 lux color	0.01 lux color (0 lux wLED)	min. illumination
0 lux light source, light range	IR, 850nm 40m max	IR 850nm 30m max	IR 850nm + White LED 30m max / 10m max	2x warm white LED 30m max	IR, 850nm 50m max	IR, 850nm 40m max	IR 850nm + White LED 30m max / 10m max	0 lux light source, light range
wide dynamic range	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB	120 dB	wide dynamic range
video compression	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	video compression
video streams	1. 5MP 2880x1620 @25fps 2. D1 720x576 3. CIF 352x288	1. 5MP 2592x1944@20fps, 4MP 2560x1440@30fps 2. 2M 1080p 3. D1 720x576	1. 5MP 2880x1620 @25fps 2. D1 720x576 3. CIF 352x288	1. 5MP 2880x1620 @25fps 2. 720p 1280x720 max 3. CIF 352x288	1. 5MP 2880x1620 @25fps 2. 720p 1280x720 max 3. CIF 352x288	1. 5MP 2880x1620 @25fps 2. 720p 1280x720 max 3. CIF 352x288	1. 4K 3840x2160 @20fps 2. 1080p max 3. D1 720x576 max	video streams
9:16 corridor mode	±90°	±90°	±90°	±90°	±90°	±90°	±90°	9:16 corridor mode
OSD / privacy mask	8 / 4	8 / 8	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4	OSD / privacy mask
audio source	built-in microphone	35kΩ, 2Vpp	built-in microphone	35kΩ, 2Vpp	35kΩ, 2Vpp	built-in mic + 35kΩ, 2Vpp	built-in microphone	audio source
audio output	-	600Ω, 2Vpp	built-in speaker	600Ω, 2Vpp	600Ω, 2Vpp	600Ω, 2Vpp	built-in speaker	audio output
VCA, smart intrusion prevention, IQ image analytics	4x intrusion detection 4x crossline detection 4x entering/leaving area triggering based selectively on detecting vehicle, bicycle & human presence in the scene, detecting & following over 20 targets in scene	4x intrusion detection 4x crossline detection 4x entering/leaving area face capture advanced people counting (based od face tracking, define by line crossing or area crossing)	4x intrusion detection 4x crossline detection 4x entering/leaving area triggering based selectively on detecting vehicle, bicycle & human presence in the scene, detecting & following over 20 targets in scene	4x intrusion detection 4x crossline detection 4x entering/leaving area triggering based selectively on detecting vehicle, bicycle & human presence in the scene, detecting & following over 20 targets in scene	4x intrusion detection 4x crossline detection 4x entering/leaving area triggering based selectively on detecting vehicle, bicycle & human presence in the scene, detecting & following over 20 targets in scene	4x intrusion detection 4x crossline detection 4x entering/leaving area triggering based selectively on detecting vehicle, bicycle & human presence in the scene, detecting & following over 20 targets in scene	4x intrusion detection 4x crossline detection 4x entering/leaving area triggering based selectively on detecting vehicle, bicycle & human presence in the scene, detecting & following over 20 targets in scene	VCA, smart intrusion prevention, IQ image analytics
in-camera storage option	microSD 256GB max	microSD 256GB max	microSD 256GB max	microSD 256GB max	microSD 256GB max	microSD 256GB max	microSD 256GB max	in-camera storage option
ANR function	records on network disconnect	records on network disconnect	records on network disconnect	records on network disconnect	records on network disconnect	records on network disconnect	records on network disconnect	ANR function
alarm I/O	-	1 / 1	-	1 / 1	1 / 1	1 / 1	-	alarm I/O
ingress protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67	ingress protection
vandal resistance	-	IK10	-	IK10	IK10	IK10	-	vandal resistance
power source, max consumption (W)	PoE (IEEE 802.3af), DC 12V±25%, 5W max	PoE (IEEE 802.3af), DC 12V±25%, 4.2W max	PoE (IEEE 802.3af), DC 12V±25%, 7.5W max	PoE (IEEE 802.3af), DC 12V±25%, 9W max	PoE (IEEE 802.3af), DC 12V±25%, 8W max	PoE (IEEE 802.3af), DC 12V±25%, 7W max	PoE (IEEE 802.3af), DC 12V±25%, 10.5W max	power source, max consumption (W)
surge protection	2kV	2kV	4kV	4kV	6kV	4kV	2kV	surge protection
weight	0.43kg	0.43kg	0.43kg	0.92kg	0.92kg	0.98kg	0.41kg	weight
dimensions	156 x 63 x 63mm	Ø 109 x 81mm	Ø 110 x 95mm	246 x 86 x 85mm	245 x 86 x 72mm	Ø 148 x 112mm	191 x 75 x 74mm	dimensions
junction boxes, wall/pole mounting	TR-JB05-A-IN TR-UP06-B-IN	TR-JB03-G-IN TR-WM03-D-IN	TR-JB03-G-IN TR-WM03-D-IN	TR-JB07-D-IN TR-UP06-B-IN	TR-JB07-D-IN TR-UP06-B-IN	TR-JB04-C-IN TR-WM04-IN	TR-JB05-B-IN	junction boxes, wall/pole mounting
additional notices	IQ-based VCA: vehicles and humans trigger, leaves and animals don't trigger	Advanced people counting face capture VCA false alarm filtering	IQ-based VCA, active deterrence: sound+light alarm linkage white LEDs for 0-24h color image	IQ-based VCA, alarm I/O Super Starlight nighttime image white LEDs for 0-24h color image	IQ-based VCA, triggers only on humans & vehicles, alarm I/O, motorised AF lens for easy setup	IQ-based VCA, alarm I/O, motorised AF lens for easy setup 12V DC output when PoE powered	IQ-based VCA, active deterrence: sound+light alarm linkage white LEDs for 0-24h color image	additional notices

Smart IQ PTZ and LPR cameras

model name	PTZ-675IQ-X4SWAL	PTZ-6424IQ-X25S	PTZ-6622IQ-X25-S60	PTZ-6624IQ-X33S	PTZ-6854-X38UP-VL	IPW-262ER9-DUZIT-ME	model name
description	IQ Starlight PoE IP PTZ x4 camera w. active deterrence & white LED	IQ Starlight PoE IP PTZ x25 camera, 4 Megapixels, wandalproof 6.5"	IQ Starlight PoE IP PTZ x25 camera, 60 fps, 5 streams	IQ Starlight PoE IP PTZ x33 camera, 4 Megapixels resolution	IQ Super Starlight PoE IP PTZ x38 4 Megapixels @ 60fps	IQ **LPR**-reading PoE IP bullet w. motorised AF lens	description
sensor	1/2.7" 5MP BSI CMOS	1/2.8" 4MP CMOS	1/2.8" 2MP CMOS	1/2.8" 4MP CMOS	1/1.8" 4MP CMOS	1/2.8" 2MP CMOS	sensor
max. frame rate	30fps / 25fps	30fps / 25fps	60fps (30fps / 25fps on substreams only)	30fps / 25fps	60fps (30fps / 25fps on substreams only)	30fps / 25 fps	max. frame rate
lens	2.8-12mm f/1.6, 104.1°-30.6° 4x zoom motorised autofocus lens	4.8-120mm f/1.5-3.8, 52.2°-2.74° 25x zoom motorised autofocus lens	5-125mm f/1.5-4, 54.4°-2.68° 25x zoom motorised autofocus lens	4.5-148.5mm f/1.5-4.1, 53°-2.1° 33x zoom motorised autofocus lens	5.7-216.6mm f/1.3-4.6, 58°-2° 38x zoom motorised autofocus lens	2.8-12mm f/1.6 97°-35° motorised autofocus	lens
minimal illumination (color)	0.003 lux	0.003 lux	0.001 lux	0.003 lux	0.0005 lux	0.02 lux (quick shutter)	min. illumination (color)
0 lux light source, light range	IR 50m max + White LED 10m max	IR 850nm, 100m max	IR 850nm, 150m max	IR 850nm, 150m max	IR 850nm, 250m max	IR, 850nm 100m max	0 lux light source, light range
wide dynamic range	120dB true WDR	120dB true WDR	120dB true WDR	120dB true WDR	120dB true WDR	120 dB, default ON	wide dynamic range
pan range / speed	345° / 0.1°/s - 50°/s	360° endless / 0.1°/s - 200°/s	360° endless / 0.1°/s - 200°/s	360° endless / 0.1°/s - 200°/s	360° endless / 0.1°/s - 180°/s	H.264, H.265 + Smart Encoding, JPEG photo upload (ftp)	video compression
tilt range / speed	-10° - 110° / 0.1°/s - 40°/s	-15° - 90° auto flip / 0.1°/s - 120°/s	-15° - 90° auto flip / 0.1°/s - 200°/s	-15° - 90° auto flip / 0.1°/s - 200°/s	-20° - 90° auto flip / 0.1°/s - 180°/s	1. 2MP 1920x1080 @25fps 2. 2MP max, default OFF 3. D1 max, default OFF	video streams
presets / patrols	256 / 16 (180s min)	1024 / 32 (15s min)	1024 / 32 (15s min)	1024 / 32 (15s min)	1024 / 32 (15s min)	separate video / JPG snapshot OSD	OSD / privacy mask
auto tracking	general object tracking	VCA triggered + general tracking	VCA triggered + general tracking	VCA triggered + general tracking	VCA triggered + general tracking	35kΩ, 2Vpp	audio source
video compression	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	600Ω, 2Vpp	audio output
video streams	1. 5MP 2880x1620 max 2. 720p 1280x720 max 3. D1 720x576 max	1. 4MP, 2688x1520 max 2. 1080p, 1920x1080 max 3. D1 720x576 max + BNC (PAL) output	5 streams, 1, 2: 2MP, 1920x1080@60fps max 3, 4, 5: D1 720x576@60fps max + BNC (PAL) output	1. 4MP, 2688x1520 max 2. 1080p, 1920x1080 max 3. D1 720x576 max + BNC (PAL) output	1. 4MP, 2688x1520 max @60fps 2. 1080p, 1920x1080 max@60fps 3. D1 720x576 max@60fps	vehicle detection by line crossing, license plate recognition, local list configuration (*.csv), NVR list configuration (16B,32IQ,64IQ) whitelist/blacklist relay command for gate control, remote relay command	VCA, video content analytics
OSD / privacy mask	8 / 8	8 / 24 (4 per preset)	8 / 24 (4 per preset)	8 / 24 (4 per preset)	8 / 24 (4 per preset)	microSD 128GB max	in-camera storage option
audio source	built-in microphone	35kΩ, 2Vpp	35kΩ, 2Vpp	35kΩ, 2Vpp	35kΩ, 2Vpp	records on network disconnect ftp snapshots & live stream	ANR function
audio output	built-in speaker	600Ω, 2Vpp	600Ω, 2Vpp	600Ω, 2Vpp	600Ω, 2Vpp	1 / 1	alarm I/O
VCA, smart intrusion prevention, IQ image analytics	4x intrusion detection 4x crossline detection 4x entering/leaving area triggering based selectively on detecting vehicle, bicycle & human presence in the scene, detecting & following over 20 targets in scene	4x intrusion detection 4x crossline detection 4x entering/leaving area, face capture triggering based selectively on detecting vehicle, bicycle & human presence in the scene, detecting & following over 20 targets in scene	4x intrusion detection 4x crossline detection 4x entering/leaving area, face capture triggering based selectively on detecting vehicle, bicycle & human presence in the scene, detecting & following over 20 targets in scene	4x intrusion detection 4x crossline detection 4x entering/leaving area, face capture triggering based selectively on detecting vehicle, bicycle & human presence in the scene, detecting & following over 20 targets in scene	4x intrusion detection 4x crossline detection 4x entering/leaving area, face capture triggering based selectively on detecting vehicle, bicycle & human presence in the scene, detecting & following over 20 targets in scene	IP67	ingress protection
in-camera storage option	microSD with ANR function 256GB max	microSD with ANR function 256GB max	microSD with ANR function 256GB max	microSD with ANR function 256GB max	microSD with ANR function 256GB max	IK10	vandal resistance
alarm I/O, RS485	- / -, -	2 / 1, 1x RS485	2 / 1, 1x RS485	2 / 1, 1x RS485	2 / 1, 1x RS485	PoE (IEEE 802.3at), DC 12V±25%, AC 24V±25% 15W max	power source, max consumption (W)
ingress protection	IP66	IP67	IP66	IP66	IP66	4kV	surge protection
power source, max consumption (W)	PoE (IEEE 802.3af), DC 12V±25%, 18W max	PoE+ (IEEE 802.3at), DC 12V±25% 3A, 21W max	PoE+ (IEEE 802.3at), AC/DC 24V±25% 1.5A, 25W max	PoE+ (IEEE 802.3at), AC/DC 24V±25% 1.5A, 25W max	PoE++ (IEEE 802.3bt), AC/DC 24V±25% 1.5A, 51W max	1.85kg	weight
surge protection	4kV	6kV	6kV	6kV	6kV	306 x 104 x 94mm	dimensions
working environment	-20°C – 60°C, ≤95%RH	-40°C – 70°C, ≤95%RH	-40°C – 65°C, ≤95%RH	-40°C – 65°C, ≤95%RH	-40°C – 70°C, ≤95%RH	TR-JB07-D-IN TR-UP06-B-IN	junction boxes, wall/pole mounting
weight	0.87kg	3.05kg	5.8kg	5.8kg	9.7kg		
dimensions	Ø 133 x 274mm	Ø 166 x 295mm	Ø 227 x 385mm	Ø 227 x 385mm	Ø 270 x 497mm		
junction boxes, wall/pole mounting	TR-JB07-D-IN TR-UP06-B-IN	TR-WE45-IN included, TR-JB12-IN, TR-UP08-A-IN, TR-UC08-A-IN, TR-CE45-IN, TR-UF45-A-IN, TR-SE45-A-IN	TR-WE45-IN included, TR-JB12-IN, TR-UP08-A-IN, TR-UC08-A-IN, TR-CE45-IN, TR-UF45-A-IN, TR-SE45-A-IN	TR-WE45-IN included, TR-JB12-IN, TR-UP08-A-IN, TR-UC08-A-IN, TR-CE45-IN, TR-UF45-A-IN, TR-SE45-A-IN	TR-WE45-IN included, TR-JB12-IN, TR-UP08-A-IN, TR-UC08-A-IN, TR-CE45-IN, TR-UF45-A-IN, TR-SE45-A-IN		
additional notices	IQ-based VCA, active deterrence: sound+red-blue light alarm linkage white LEDs for 0-24h color image	IQ-based VCA, high-end, high speed PTZ in smallest possible housing	IQ-based VCA with auto object tracking, 60 fps high-speed video, 5 streams with different framerates	IQ-based VCA with auto object tracking, 4 Megapixel resolution, heating/cooling, active snow removal, PTZ home position	IQ-based VCA with auto object tracking for mission critical surveillances, heating/ cooling, active snow removal		

NVR - network video recorders

Videosec®

model name	NVR-301-04LH	NVR-301-08LH	NVR-301-04LH-P4	NVR-301-08LH-P8	NVR-301-08LX-P8	NVR-301-16XH	NVR-301-16LH-P8	NVR-302-32S	NVR-304-32IQ	NVR-308-64IQ	model name
description	4 ch. 4K NVR	8 ch. 4K NVR	4 ch. 4K PoE NVR	8 ch. 4K PoE NVR	8 ch. 4K PoE NVR	16 ch. 4K NVR	16ch, 8x PoE 4K NVR	32 ch. 4K 2HDD NVR	32 ch. 4K 4HDD **IQ** NVR	64 ch. 4K 8HDD **IQ** NVR	description
incoming bandwidth	64 Mbps @ 4ch	64 Mbps @ 8ch	64 Mbps @ 4ch	64 Mbps @ 8ch	80 Mbps @ 8ch	64 Mbps @ 16ch	64Mbps @ 16ch	160 Mbps @ 32ch	384Mbps @ 32ch	384Mbps @ 64ch	incoming bandwidth
outgoing bandwidth	48 Mbps	48 Mbps	48 Mbps	48 Mbps	64 Mbps	64 Mbps	48 Mbps	64 Mbps	384 Mbps	384 Mbps	outgoing bandwidth
audio in for remote talk	-	-	-	-	1x RCA mono	1x RCA mono	-	1x RCA mono	1x RCA mono	1x RCA mono	audio in for remote talk
adding IP camera from a remote location	MyDDNS, domain, IP address	MyDDNS, domain, IP address	MyDDNS, domain, IP address	MyDDNS, domain, IP address	MyDDNS, domain, IP address	MyDDNS, domain, IP address	MyDDNS, domain, IP address	MyDDNS, domain, IP address	MyDDNS, domain, IP address	MyDDNS, domain, IP address	adding IP camera from a remote location
display connection HDMI, VGA	1x HDMI 4K@30Hz 1x 1080P@60Hz	1x HDMI 4K@30Hz 1x 1080P@60Hz	1x HDMI 4K@30Hz 1x 1080P@60Hz	1x HDMI 4K@30Hz 1x 1080P@60Hz	1x HDMI 4K@30Hz 1x 1080P@60Hz	1x HDMI 4K@30Hz 1x 1080P@60Hz	1x HDMI 4K@30Hz 1x 1080P@60Hz	1x HDMI 4K@30Hz 1x 1080P@60Hz	2x HDMI 4K@30Hz 1x 1080P@60Hz all displays independent	2x HDMI 4K@30Hz 1x 1080P@60Hz all displays independent	display connection HDMI, VGA
audio output	1x 3.5mm Jack, HDMI	1x 3.5mm Jack, HDMI	1x 3.5mm Jack, HDMI	1x RCA, HDMI	1x RCA, HDMI	1x RCA, HDMI	1x RCA, HDMI	1x RCA, HDMI	1x RCA, HDMI	1x RCA, HDMI	audio output
recording resolution, all ch.	max 4K (8MP)@30fps/ch	max 4K (8MP)@30fps/ch	max 4K (8MP)@30fps/ch	max 4K (8MP)@30fps/ch	max 4K (8MP)@30fps/ch	max 4K (8MP)@30fps/ch	max 4K (8MP)@30fps/ch	max 4K (8MP)@30fps/ch	max 12MP@30fps/ch	max 12MP@30fps/ch	recording resolution, all ch.
ONVIF profiles	S, G, T profiles	S, G, T profiles	S, G, T profiles	S, G, T profiles	S, G, T profiles	S, G, T profiles	S, G, T profiles	S, G, T profiles	S, G, T profiles	S, G, T profiles	ONVIF profiles
decoding capability (sum of simultaneous live view / playback)	12MP@25fps max, 8MP@30fps max (1x 4K, 2x 4MP, 4x 1080p)	12MP@25fps max, 8MP@30fps max (1x 4K, 2x 4MP, 4x 1080p)	12MP@25fps max, 8MP@30fps max (1x 4K, 2x 4MP, 4x 1080p)	12MP@25fps max, 8MP@30fps max (1x 4K, 2x 4MP, 4x 1080p)	16MP@30fps max (2x 4K, 4x 4MP, 8x 1080p)	16MP@30fps max (2x 4K, 4x 4MP, 8x 1080p, 16x 720p)	8MP@30fps max, (1x 4K, 1x 5MP, 2x 4MP, 4x 1080p, 8x 720p, 16x D1)	16MP@30fps max (2x 4K, 4x 4MP, 8x 1080p, 16x 720p, 32x D1)	32MP@30fps max (2x 12MP, 4x 4K, 8x 4MP, 16x 1080p, 32x D1)	32MP@30fps max (2x 12MP, 4x 4K, 8x 4MP, 16x 1080p, 64x D1)	decoding capability (sum of simultaneous live view / playback)
corridor mode display	3/4ch	3/4/5/7/9ch	3/4ch	3/4/5ch	3/4/5ch	3/4/5/7/9/10/12/16ch	3/4/5/7/9/10/12/16ch	3/4/5/7/9/10/12/16/32ch	3/4/5/7/9/10/12/16/32ch	3/4/5/7/9/10/12/16/32ch	corridor mode display
VCA detections and alarms	intrusion detection, cross line detection, audio detection face detection, human body detection	intrusion detection, cross line detection, audio detection face detection, human body detection	intrusion detection, cross line detection, audio detection face detection, human body detection	intrusion detection, cross line detection, audio detection face detection, human body detection	intrusion detection, cross line detection, audio detection face detection, human body detection, defocus/scene change, object left/removed, PTZ auto tracking	intrusion detection, cross line detection, audio detection face detection, human body detection, defocus/scene change, object left/removed, PTZ auto tracking	intrusion detection, cross line detection, audio detection face detection, human body detection	intrusion detection, cross line detection, audio detection face detection, human body detection, defocus/scene change, object left/removed, PTZ auto tracking	intrusion detection, cross line detection, audio detection face detection, human body detection, defocus/scene change, object left/removed, PTZ auto tracking	intrusion detection, cross line detection, audio detection face detection, human body detection, defocus/scene change, object left/removed, PTZ auto tracking	VCA detections and alarms
VCA search	behaviour event search face snapshot listing on NVR GUI	behaviour event search face snapshot listing on NVR GUI	behaviour event search face snapshot listing on NVR GUI	behaviour event search face snapshot listing on NVR GUI	behaviour event search vehicle/bike/person filter face snapshot listing on NVR GUI	behaviour event search vehicle/bike/person filter face snapshot listing on NVR GUI	behaviour event search face snapshot listing on NVR GUI	behaviour event search vehicle/bike/person filter face snapshot listing on NVR GUI	behaviour event search vehicle/bike/person filter face listing, face search on NVR GUI + WEB	behaviour event search vehicle/bike/person filter face listing, face search on NVR GUI + WEB	VCA search
statistical functions	-	-	-	-	people counting, flow control (in, out, remain)	people counting, flow control (in, out, remain)	-	people counting, flow control (in, out, remain)	people counting, flow control (in, out, remain)	people counting, flow control (in, out, remain)	statistical functions
HDD, eSATA, RAID	1 SATA, max 6TB	1 SATA, max 6TB	1 SATA, max 6TB	1 SATA, max 6TB	1 SATA, max 6TB	1 SATA, max 6TB	1 SATA, max 6TB	2 SATA, max 2x 6TB	4 SATA, max 4x 10TB 1x eSATA, RAID 1, 5	8 SATA, max 8x 10TB 1x eSATA, RAID 1, 5, 6, 10	HDD, eSATA, RAID
LAN interface	1 x RJ45 100M	1 x RJ45 100M	1 x RJ45 100M	1 x RJ45 100M	1 x RJ45 100M	1 x RJ45 100M	1 x RJ45 100M	2 x RJ45 1000M Gbe	2 x RJ45 1000M Gbe	2 x RJ45 1000M Gbe	LAN interface
PoE, pinout, PoE budget	-	-	4x PoE+ IEEE 802.3at/af midspan/B 54W max	8x PoE+ IEEE 802.3at/af midspan/B 75W max	8x PoE+ IEEE 802.3at/af midspan/B 75W max	-	8x PoE+ IEEE 802.3at/af midspan/B 75W max	-	-	-	PoE, pinout, PoE budget
USB Interface, serial ports	2 x USB2.0	2 x USB2.0	2 x USB2.0	2 x USB2.0	1 x USB2.0 1 x USB3.0	1 x USB2.0 1 x USB3.0	2 x USB2.0	2 x USB2.0 1 x USB3.0	2 x USB2.0, 1 x USB3.0 1 x RS485, 1 x RS232	2 x USB2.0, 1 x USB3.0 1 x RS485, 1 x RS232	USB Interface, serial ports
alarm I/O	camera alarm I/O only	camera alarm I/O only	camera alarm I/O only	camera alarm I/O only	camera alarm I/O only	camera alarm I/O only	camera alarm I/O only	camera alarm I/O only	in 16, out 4 + camera I/O	in 16, out 4 + camera I/O	alarm I/O
power requirement	12V DC,1.5A	12V DC,1.5A	48V/1.35A	52V DC, 1.8A	52V DC, 1.8A	12V DC, 1.5A	52V DC, 1.8A	12V DC,3.3A	230VAC	230VAC	power requirement
power consumption	≤5W (without HDD)	≤5W (without HDD)	≤9W (without HDD)	≤9W (without HDD)	≤9W (without HDD)	≤9W (without HDD)	≤9W (without HDD)	≤15W (without HDD)	≤ 25 W (without HDD)	≤ 25 W (without HDD)	power consumption
working ambiental temp.	-10°C ~ 55°C	-10°C ~ 55°C	-10°C ~ 55°C	-10°C ~ 55°C	-10°C ~ 55°C	-10°C ~ 55°C	-10°C ~ 55°C	-10°C ~ 55°C	-10°C~+ 55°C	-10°C~+ 55°C	working ambiental temp.
dimensions	260 x 240 x 46mm	260 x 240 x 46mm	205 x 205 x 46mm	270 x 205 x 46mm	270 x 205 x 47mm	260 x 240 x 47mm	270 x 205 x 46mm	380 x 315 x 49mm - 1U	442 x 426 x 89mm - 2U	442 x 426 x 89mm - 2U	dimensions
weight (without HDD)	≤0.98kg	≤0.98kg	≤0.6kg	≤0.8 kg	0.7 kg	1.3kg	≤0.8 kg	≤2.48kg	≤ 5.7Kg	≤ 5.7Kg	weight (without HDD)

Phasing out cameras

Videosec®

model name	IPW-2322L-28ZD	IPW-2322-28Z	IPW-2322S-28Z-C	IPW-2222-60S	IPD-3634-28Z	IPD-3638-28Z	IPD-3235-28SZ	IPF-868ER-F18-B
description	PoE IP L-series motorized bullet	PoE Smart IP motorized bullet w. VCA alarms	**Super Starlight** Smart IP motorized bullet w. VCA	**Super Starlight** Smart IP fixed bullet w. VCA	PoE Smart IP motorized dome w. **microphone**	PoE Smart IP motorized **4K** dome w. **microphone**	Starlight PoE IP dome w. motorised AF lens	**Fisheye** PoE IP dome w. 8 streams
sensor	1/2.7" 2MP 1920x1080	1/2.7" 2MP 1920x1080	1/2.8" 2MP 1920x1080	1/2.8" 2MP 1920x1080	1/3" 4MP 2592x1520	1/2" 8MP 3840x2160	1/2.7" 5MP BSI CMOS	1/1.7" 12MP CMOS
max. frame rate	30fps / 25fps	30fps / 25fps	30fps / 25fps	30fps / 25fps	20fps / 25fps	20fps / 25fps	20fps / 25fps / 30fps	15fps / 25fps
lens	2.8mm-12mm f/1.6, 95°-28° motorized, autofocus	2.8mm-12mm f/1.6, 94°-28° motorized, autofocus	2.7mm-13.5mm f/1.2, 121.4°-33.5° motorized, autofocus	6mm **f/1.2**, 53.3° fixed lens	2.8mm-12mm f/1.4, 91°-27° motorized, autofocus	2.8mm-12mm f/1.5, 114.8°-47.3° motorized, autofocus	2.7-13.5mm f/1.2 93.4°-28.6° motorised autofocus	1.8mm f/2.4 Horizontal 180°, 360° full circle view
min. illumination	0.01 lux @color	0.002 lux @color	**0.0005** lux @color	**0.0005** lux @color	0.005 lux @color	0.003 lux @color	0.002 lux @color	0.05 lux @color
0 lux light source, light range	IR 850nm 30m max	IR 850nm 50m max	IR 850nm 50m max	IR 850nm 50m max	IR 850nm 3v0m max	IR 850nm 3v0m max	IR, 850nm 30m max	IR, 850nm 10m max
wide dynamic range	dWDR	120dB true WDR	120dB true WDR	120dB true WDR	120dB true WDR	120dB true WDR	120 dB true WDR	dWDR
video compression	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)
video streams	1. 2M (1920x1080) 2. 720p max 3. D1/4CIF max	1. 2M (1920x1080) 2. 720p max 3. D1/4CIF max	1. 2M (1920x1080) 2. 720p max 3. D1/4CIF max	1. 2M (1920x1080) 2. 720p max 3. D1/4CIF max	1. 4M (2592x1520@20fps, 2560x1440@25fps) 2. 1080p max 3. D1/4CIF max	1. 4K 3840x2160@20fps (5M 2592x1944@25fps) 2. 1080p max 3. D1/4CIF max	1. 5MP 2592x1944@25fps (2592x1944@20fps WDR) 2. 1080p max 3. D1/4CIF max	8 streams max: 3x fisheye (4000x3000) 1x panoramic dewarp 4x digital PTZ view
9:16 corridor mode	-	±90°	±90°	±90°	±90°	±90°	±90°	-
OSD / privacy mask	4 / 4	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4
audio source	-	35kΩ, 2Vpp	35kΩ, 2Vpp	-	built-in microphone	built-in microphone	35kΩ, 2Vpp	built in mic, 35kΩ, 2Vpp
audio output	-	600Ω, 2Vpp	600Ω, 2Vpp	-	-	-	600Ω, 2Vpp	speaker, 600Ω, 2Vpp
VCA, image analytics	1x intrusion detection zone 1x human body detection zone	4x cross line detection 4x intrusion detection defocus detection scene change detection face detection people counting audio detection	4x cross line detection 4x intrusion detection defocus detection scene change detection face detection people counting audio detection	4x cross line detection 4x intrusion detection defocus detection scene change detection face detection people counting audio detection	4x cross line detection 4x intrusion detection defocus detection scene change detection face detection people counting **audio detection**	4x cross line detection 4x intrusion detection defocus detection scene change detection face detection people counting **audio detection**	4x cross line detection 4x intrusion detection defocus detection scene change detection face detection people counting **audio detection**	cross line detection intrusion detection heat map **audio detection**
in-camera storage option	microSD 256GB max	microSD 256GB max	microSD 256GB max	microSD 256GB max	microSD 256GB max	microSD 256GB max	microSD 256GB max	microSD 256GB max
ANR function	records on network disconn.	records on network disconn.	records on network disconn.	records on network disconn.	records on network disconn.	records on network disconn.	rec. on network disconn.	rec. on network disconn.
alarm I/O	-	1 / 1	1 / 1	-	-	-	1 / 1	1 / 1
ingress protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
vandal resistance	IK10	IK10	IK10	IK10	-	-	IK10	IK10
power source, max consumption (W)	PoE (IEEE 802.3af), DC 12V±25%, 6.5W max	PoE (IEEE 802.3af), DC 12V±25%, 9W max	PoE (IEEE 802.3af), DC 12V±25%, 10W max	PoE (IEEE 802.3af), DC 12V±25%, 9W max	PoE (IEEE 802.3af), DC 12V±25%, 8.3W max	PoE (IEEE 802.3af), DC 12V±25%, 8.3W max	PoE (IEEE 802.3af), DC 12V±25%, 8.7W max	PoE (IEEE 802.3af), DC 12V±25%, 9.6W max
surge protection	4kV	4kV	4kV	4kV	2kV	2kV	4kV	4kV
weight	1kg	1kg	1kg	1kg	0.82kg	0.82kg	0.92kg	0.5kg
dimensions	254 x 86 x 72mm	254 x 86 x 72mm	254 x 86 x 72mm	254 x 86 x 72mm	Ø 129 x 110mm	Ø 129 x 110mm	Ø 148 x 112mm	Ø 148 x 112mm
junction boxes, wall/pole mounting	TR-JB06-A-IN TR-JB07-D-IN TR-UP06-B-IN	TR-JB06-A-IN TR-JB07-D-IN TR-UP06-B-IN	TR-JB06-A-IN TR-JB07-D-IN TR-UP06-B-IN	TR-JB06-A-IN TR-JB07-D-IN TR-UP06-B-IN	TR-JB03-H-IN TR-WM03-B-IN	TR-JB03-H-IN TR-WM03-B-IN	TR-JB04-C-IN TR-WM04-IN	TR-JB04-C-IN
additional notices	best value for money	VCA + face detection, usable as stand-alone system with local μSD	Super Starlight image, f/1.2 lens, 0.0005 lux color, VCA + face detection	Super Starlight image, VCA f/1.2 lens, 0.0005 lux color, ideal for fences & corridors	VCA + face detection, built-in areal microphone w. adjustable gain	4K, VCA + face detection, built-in areal microphone w. adjustable gain	Starlight image, VCA, alarm I/O, 12V DC out on PoE	max 8 streams fisheye, selectable wall/ceiling mounting opt. for dewarp

ver.: 1.03

PTZ-6322SR-X22P-C	model name
Starlight PoE IP PTZ x22 camera w. auto tracking	description
1/2.8" 4MP CMOS	sensor
30fps / 25fps	max. frame rate
5.2-114.4mm f/1.5-3.8, 54.4°-3.5° 22x zoom motorised autofocus lens	lens
0.001 lux	min. illumination
IR 850nm, 150m max	0 lux light, range
120dB true WDR	wide dynamic range
360° endless / 0.1°/s - 240°/s	pan range / speed
-15° - 90° auto flip / 0.1°/s - 80°/s	tilt range / speed
1024 / 16 (5s min)	presets / patrols
VCA triggered + general tracking	auto tracking
H.264, H.265 + Smart Encoding, MJPEG (5fps+15fps)	video compression
1. 2M (1920x1080) 2. 720p max 3. D1/4CIF max	video streams
8 / 4	OSD / privacy mask
35kΩ, 2Vpp	audio source
600Ω, 2Vpp	audio output
4x cross line detection 4x intrusion detection defocus detection scene change detection face detection people counting auto tracking	VCA, image analytics
microSD with ANR function 256GB max	in-camera storage option
1/ 1, -	alarm I/O, RS485
IP66	ingress protection
PoE+ (IEEE 802.3at), DC 12V±10% 3A, 30W max	power source, max consumption (W)
4kV	surge protection
-40°C – 65°C, ≤95%RH	working environment
3kg	weight
Ø 215 x 344mm	dimensions
TR-WE45-IN included, TR-JB12-IN, TR-UP08-A-IN, TR-UC08-A-IN, TR-CE45-IN, TR-UF45-A-IN, TR-SE45-A-IN	junction boxes, wall/pole mounting
Starlight image quality, VCA with auto object tracking, PTZ home position .	additional notices

Junction boxes and consoles

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	IPD-3615IQ-28SWAL IPD-325IQ-28S						
		TR-JB03-G-IN	**TR-WM03-D-IN**	**TR-UP06-C-IN**	**TR-A01-IN**	**TR-CM24-IN**	**TR-SE24-A-IN**
		Junction box	Wall mount	Pole mount (with TR-WM03-D-IN)	NPT ¾" Plastic Waterproof joint	Pendant Mount	Ceiling mount (500mm, needs TR-CM24-IN)

	IPD-3612LS-28F IPD-3614LSA-28F						
		TR-JB03-I-IN	**TR-WM03-B-IN**	**TR-UP06-IN**	**TR-A01-IN**	**TR-CM24-IN**	**TR-SE24-A-IN**
		Junction box	Wall mount	Pole mount (with TR-WM03-B-IN)	NPT ¾" Plastic Waterproof joint	Pendant Mount	Ceiling mount (500mm, needs TR-CM24-IN)

	IPD-3634-28Z IPD-3638-28Z						
		TR-JB03-H-IN	**TR-WM03-B-IN**	**TR-UP06-IN**	**TR-A01-IN**	**TR-CM24-IN**	**TR-SE24-A-IN**
		Junction box	Wall mount	Pole mount (with TR-WM03-B-IN)	NPT ¾" Plastic Waterproof joint	Pendant Mount	Ceiling mount (500mm, needs TR-CM24-IN)

	IPD-3235IQ-28SZA IPD-3234L-28ZD IPD-3235-28SZ IPF-868ER-F18-B						
		TR-JB04-C-IN	**TR-WM04-IN**	**TR-UP06-C-IN**	**TR-A01-IN**	**TR-CM24-IN**	**TR-SE24-A-IN**
		Junction box	Wall mount	Pole mount (with TR-WM04-IN)	NPT ¾" Plastic Waterproof joint	Pendant Mount	Ceiling mount (500mm, needs TR-CM24-IN)

	IPW-2122LS-40F IPW-2122LSA-28WAL IPW-2124LSA-28F IPW-2124LSA-40F IPW-2128IQ-28WAL IPW-2324LSA-28Z						
		TR-JB05-B-IN	**TR-UP06-C-IN**	**TR-A01-IN**	**TR-CM24-IN**	**TR-SE24-A-IN**	
		Junction box (Extra back outlet for cable)	Pole mount (with TR-JB05-B-IN)	NPT ¾" Plastic Waterproof joint	Pendant Mount	Ceiling mount (500mm, needs TR-CM24-IN)	

	IPW-2122-40WiFi IPW-2125IQ-40SA							
		TR-JB05-A-IN	**TR-JB07-A-IN**	**TR-UP06-B-IN**	**TR-UP06-C-IN**	**TR-A01-IN**	**TR-CM24-IN**	**TR-SE24-A-IN**
		Junction box (Extra back outlet for cable)	Junction box (Extra back outlet for cable)	Pole mount	Pole mount (with TR-JB05-A-IN or TR-JB07-D-IN)	NPT ¾" Plastic Waterproof joint	Pendant Mount	Ceiling mount (500mm, needs TR-CM24-IN)

	IPW-2225IQ-40SWX IPW-2325IQ-28SZ PTZ-675IQ-X4SWAL IPW-262ERS-DUZIT-ME IPW-2322L-28ZD IPW-2322-28Z IPW-2322S-28Z-C IPW-2222-60S							
		TR-JB06-A-IN	**TR-JB07-A-IN**	**TR-UP06-B-IN**	**TR-UP06-C-IN**	**TR-A01-IN**	**TR-CM24-IN**	**TR-SE24-A-IN**
		Junction box (Extra back outlet for cable)	Junction box (Extra back outlet for cable)	Pole mount	Pole mount (with TR-JB07-D-IN)	NPT ¾" Plastic Waterproof joint	Pendant Mount	Ceiling mount (500mm, needs TR-CM24-IN)

	PTZ-6424IQ-X25S PTZ-6622IQ-X25-S60 PTZ-6624IQ-X33S PTZ-6854-X38UP-VL PTZ-6322SR-X22P-C									
		TR-WE45-IN	**TR-JB12-IN**	**TR-UP08-A-IN**	**TR-UC08-A-IN**	**TR-A01-IN**	**TR-UF45-A-IN**	**TR-CE45-IN**	**TR-SE45-IN**	**TR-SE45-A-IN**
		Wall mount	Junction box	Vertical Pole mount (Need TR-WE45-IN)	Corner mount (Need TR-WE45-IN)	NPT ¾" Plastic Waterproof joint	Pendent mount adaptor	Pendent mount (200 mm)	Pendent mount (200mm,needs TR-UF45-A-IN & TR-CE45-IN)	Ceiling mount (500mm, need TR-UF45-A-IN & TR-CE45-IN)

PoE switches and network accessories

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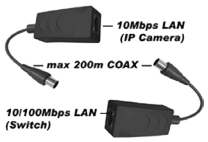
model name	PS04FE+2FE	PS04PGE+1PD	PS08FE+2GE	PS08FE+2GE+2SFP	PSH04GE+4GE	PS16FE+2GE+2SFP	PS24FE+2GE+2SFP	model name
description	4 + 2 ports PoE switch with long cable CCTV mode	4 + 1 ports Gbe PoE switch powered from LAN PoE	8 + 2 ports PoE switch with long cable CCTV mode	8 + 1 + 1 ports PoE switch with Gbe SFP uplink	4 + 4 ports Gbe PoE++ switch (4x High PoE)	16 + 2 + 2 ports PoE switch with 2xGbe + 2x SFP uplink	24 + 2 + 2 ports PoE switch with 2xGbe + 2x SFP uplink	description
uplink ports, speed	2x 100Mbps	1x 1000Mbps	2x 1000Mbps	1x 1000Mbps SFP + 1x Gbe	4x 1000Mbps	2x 1000Mbps SFP + 2x Gbe	2x 1000Mbps SFP + 2x Gbe	uplink ports, speed
PoE ports speed, PoE standard	4x 100Mbps, IEEE802.3 af/at (PoE 15W, PoE+ 30W)	4x 1000Mbps, IEEE802.3 af/at (PoE 15W, PoE+ 25W)	8x 100Mbps, IEEE802.3 af/at (PoE 15W, PoE+ 30W)	8x 100Mbps, IEEE802.3 af/at (PoE 15W, PoE+ 30W)	4x 1000Mbps, IEEE802.3 af/at/bt (PoE++, 60W/port)	16x 100Mbps, IEEE802.3 af/at (PoE 15W, PoE+ 32W)	16x 100Mbps, IEEE802.3 af/at (PoE 15W, PoE+ 32W)	PoE ports speed, PoE standard
PoE budget	60W	55Wmax, depends on PoE in	120W	120W	150W	240W	370W	PoE budget
RJ45 pinout	endspan / A (1/2+, 3/6-)	endspan / A (1/2+, 3/6-)	endspan / A (1/2+, 3/6-)	endspan / A (1/2+, 3/6-)	endspan+midspan / A + B	endspan / A (1/2+, 3/6-)	endspan / A (1/2+, 3/6-)	RJ45 pinout
overvoltage protection*	4kV contact, 6kV OTA	4kV contact, 6kV OTA	4kV contact, 6kV OTA	4kV contact, 6kV OTA	4kV contact, 6kV OTA	4kV contact, 6kV OTA	4kV contact, 6kV OTA	overvoltage protection*
power requirement	100-240V AC	48V-55V DC	100-240V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC	power requirement
power supply	internal, 65W, 53V DC	PoE+ or POE-60W	internal, 125W, 53V DC	internal, 125W, 53V DC	internal, 155W, 53V DC	internal, 270W, 53V DC	internal, 400W, 53V DC	power supply
dimensions	168 x 93 x 32 mm	140 x 93 x 27 mm	220 x 150 x 43 mm	220 x 150 x 43 mm	280 x 180 x 43 mm	440 x 230 x 45 mm	440 x 230 x 45 mm	dimensions
weight	0.8 kg	1 kg	1.9 kg	1.9 kg	2.2 kg	4.5 kg	4.5 kg	weight
additional functions	CCTV mode: PoE port speeds limited to 10Mbps, cable range extends to over 200m	5x Gigabit ethernet, powered from PoE port, over UTP cable	CCTV mode: PoE port speeds limited to 10Mbps, cable range extends to over 200m	CCTV mode: PoE port speeds limited to 10Mbps, cable range extends to over 200m	4x High PoE outputs for PTZ cameras or PS04PGE+1PD	Live port load+up/down traffic displaying CCTV mode / VLAN forward mode selectable, PoE power limit selectable by port (8W - 36W) selectable fan management PoE watchdog set per port (if no traffic for set time, resets the power of the port)	Live port load+up/down traffic displaying CCTV mode / VLAN forward mode selectable, PoE power limit selectable by port (8W - 36W) selectable fan management PoE watchdog set per port (if no traffic for set time, resets the power of the port)	additional functions

*** When GND terminal is connected and STP cable is not grounded on both ends, if STP is used.**

*** Ha a föld-pont szabályosan be lett kötve és STP alkalmazása esetén nincs mindkét végén bekötve az árnyékolás**

model name	RA-48PoE	RA-48PoE	PoE48	POE-60W
description	passive PoE+ (IEEE802.3 at) power injector	passive PoE++ (IEEE802.3 bt) power injector	passive PoE (IEEE802.3 af) power splitter	alternative DC power supply for PS04PGE+1PD
power supply	96-260V AC	96-260V AC	36-57V DC	100-240V AC
power output	48V DC, 500mA, 24W	48V DC, 1500mA, 72W	12V DC, 1050mA, 12.6W	55V DC, 1100mA, 60W
network bandwidth	100 Mbps	100 Mbps	100 Mbps	-

model name	EXCEL-100-065	CAB-LC2100B-IN
description	Cat5E 8xAWG-24 UTP cable	Cat5E 8xAWG-24 UTP cable
box content	305m reel, 9.6kg	305m reel, 9.6kg
conductor	Solid Copper 4×2×0.50, EN 50173 and ANSI/TIA-568-C	Solid Copper 4×2×0.50, EN 50173 and YD/T1019-2013
thickness and resistance	Ø 0.5mm, 0.2mm², 95Ω/km	Ø 0.5mm, 0.2mm², 95Ω/km
external diameter	5.2mm	5.1mm



PS-EOC7001

1 channel ethernet over coax, passive converter
transmit ethernet signal (10Mbps) over standard 75Ω/m coaxial cable, max 200m
comply with IEEE802.3 10BASE-T & 100BASE-T
surge protection: 2kV

smart
intelligent
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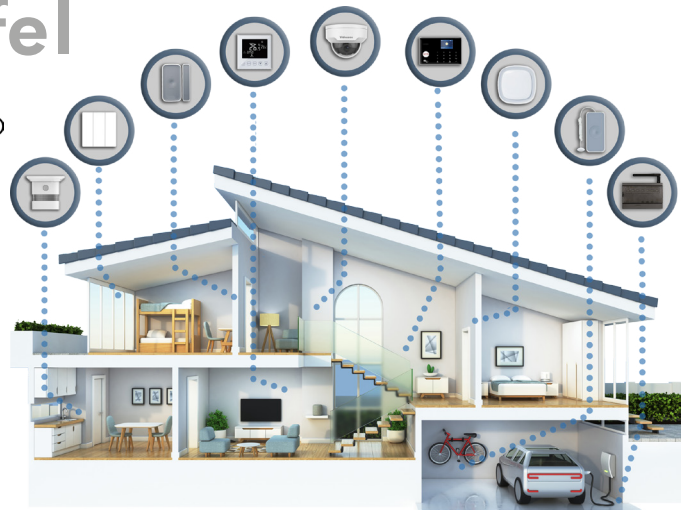
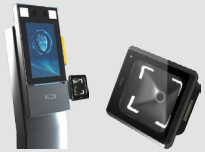
home

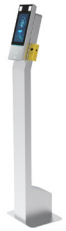
Videosec®
catalogue



model name	OET-213H-BTS1
description	wrist temperature, mask wearing, face recognition terminal w. access control
image sensor	2MP, 1/2.8" CMOS
max. frame rate	30fps / 25fps
lens	2.8mm f/1.6, 104.1° corridor mode + mirror view default
minimal illumination (color)	0.003 lux
0 lux light source, light range	White LED 10m max
wide dynamic range	120dB true WDR
video compression	H.264, H.265 + Smart Encoding,
video streams	1. FullHD 1080x1920
OSD	Last measured temperature on video, date, time, ...
display	7" touch screen, 600x1024px
audio source	built-in microphone
audio output	built-in speaker
VCA, video content analysis	face detection face recognition face+ID card matching mask wearing detection safety helmet wearing detection
face recognition database	max 10.000 face samples
in-camera storage option	built-in 4GB eMMC for passing snapshot records
alarm I/O, other I/O	door contact out NO+NC alarm out NO+NC 2x alarm in, exit button in, door state contact in wiegand in, wiegand out (26/34)
ethernet interface	RJ45, 10/100Mbps
RS485	for temperature sensor and QR reader
card reader	13.56MHz mifare 1 serial number
contactless measurement dist.	1cm - 4cm
temp.measurement accuracy	± 0.3°C
power source, max consumption (W)	DC 12V±25%, 18W max 12V DC 3A suggested (not included)
working environment w. body temp. measuring	20°C – 35°C, indoor use only windless environment
weight	1.55kg
dimensions	terminal: 420 x 220 x 65mm temperature module: 114 x 69 x 87mm
optional mounting stands	EP-S31-W-NB floor stand EP-SZ34 desktop stand



model name	Q300
description	QR code reader for OET-213H-BTS1 to read EU DCC COVID pass QR code
image sensor	1/4" 640x480 CMOS
view angle	56° x 84°
reading distance	0.2cm - 6cm
scanning time	100ms
compatible symbology, code standards	2D: QR code ISO18004, PDF417 ISO15438 1D: EAN-8/13, ISBN-10/13, UPC-E, UPC-ACODE39, CODE93, CODE128
connections	RS485
power source, consumtion (W)	12V DC (5-24V DC) 0.75W
dimensions	75 x 65 x 29mm 30g



EP-S31-W-NB
floor-standing mounting bracket for OET-213H-BTS1
3x screw-locked backdoors 2x side mounts for temperature sensor base plate may be screwed to concrete
material: sheet metal
dimensions: 280 x 222 x 1158mm
weight: 6.85kg

EP-SZ34
desktop-standing mounting bracket for OET-213H-BTS1
1x side mount for temperature sensor usable as wall mount, if mount-plate is rotated 180°
material: sheet metal
dimensions: 128 x 118 x 188mm
weight: 0.8kg

Videosec®

model name	USS-TIC600
description	dual camera, body temperature people flow screening solution with blackbody reference
image sensor	2MP, 1/1.8" CMOS + 9.6x7.2mm bolometer (8-14μm)
max. frame rate	25fps
lens	3.8-16mm, zoom fixed as thermal+ 18mm f/1.0 thermal lens
minimal illumination (color)	0.001 lux
video compression	visible: H.264, H.265+ SmartEnc. thermal: H.264
connection devices	occupies 2 IP addresses (1x visual cam + 1x thermal cam)
video streams	visible light: 3 streams, max 1080p thermal camera: 1 stream, 384x288
VCA, video content analysis	face detection, over 20 faces followed simultaneously, temperature measurement automatic calibration to blackbody abnormal temperature alarm
ethernet interface	RJ45, 10/100Mbps
power source, max consumption (W)	DC 12V±25%, 15W max 12V DC 3A suggested
working environment w. body temp. measuring	16°C – 32°C, indoor use only, windless environment
weight	5kg
dimensions	396.5 x 210 x 133.5mm
blackbody parameters	
accuracy	± 0.2°C
stability	± 0.1-0.2°C / 30min
radiation area	Ø 70mm
power source	230V AC, 50Hz
consumption	60W
weight	3.5kg
dimensions	135mm x 135mm x 150mm

model name	OTC-513
description	standing pole-mounted body temperature measuring instrument
video streams	no camera
OSD screen content	environment temperature temperature alarm counts normal temperatures count alarming treshold temperature last measured temperature
display	7" 600x1024px, touch screen for counter reset and device setup
alarm I/O, other I/O	1x alarm out 2x alarm in
alarm event notification	voice alarm, display alarm notification
ethernet interface	RJ45, 10/100Mbps for configuration access
RS485	internally, for temperature sensor
card reader	-
contactless measurement dist.	1cm - 4cm
temp.measurement accuracy	± 0.3°C
power source, max consumption (W)	DC 12V±25%, 18W max 12V DC 2A suggested (not included)
working environment w. body temp. measuring	20°C – 35°C, indoor use only windless environment
weight	3.5kg
dimensions	terminal: 137.5 x 69.0 x 340.0mm on pole: Ø 250 x 1541mm
optional mounting stands	floor stand included with OTC-513

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