

	AHD, HD-CVI, HD-TVI, CVBS SPEED DOME CAMERA OUTDOOR OMEGA-PTZ-22H4-4 - 1080p 2.8...12 mm	AHD, HD-CVI, HD-TVI, CVBS SPEED DOME CAMERA OUTDOOR OMEGA-PTZ-52H4-4 - 5 Mpx 2.8...12 mm	AHD, HD-CVI, HD-TVI, PAL SPEED DOME CAMERA OUTDOOR SD22204DB-GC- 1080p 2.7...11 mm DAHUA	AHD, HD-CVI, HD-TVI SPEED DOME CAMERA OUTDOOR SD49225DB-HC- 1080p 4.8...120 mm DAHUA	HD-CVI SPEED DOME CAMERA OUTDOOR SD59225DB-HC- 1080p 4.8...120 mm DAHUA	AHD, HD-CVI, HD-TVI, CVBS SPEED DOME CAMERA OUTDOOR DS-2AE7232TLA(D) - 1080p 4.8...153 mm Hikvision	HD-CVI SPEED DOME CAMERA OUTDOOR BCS-SDHC4225-IV - 1080p 4.8...120 mm
							
	122.09 EUR 122.09 EUR	139.64 EUR 139.64 EUR	348.14 EUR 348.14 EUR	755.42 EUR 755.42 EUR	965.50 EUR 965.50 EUR	1033.45 EUR 1033.45 EUR	879.65 EUR 879.65 EUR
Standard	AHD, HD-CVI, HD-TVI, CVBS	AHD, HD-CVI, HD-TVI, CVBS	AHD / HD-CVI / HD-TVI / PAL	AHD, HD-CVI, HD-TVI, PAL	HD-CVI	AHD, HD-CVI, HD-TVI, CVBS	HD-CVI
Sensor	1/2.9 " Sony CMOS	1/2.9 " Sony CMOS	1/2.8 " Progressive Scan CMOS	1/2.8 " STARVIS™ CMOS	1/2.8 " STARVIS™ CMOS	1/2.8 " Progressive Scan CMOS	1/2.8 " STARVIS™ CMOS
Matrix size	2.1 Mpx	5 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx
Resolution	• AHD, HD-CVI, HD-TVI : 1920 x 1080 px - 1080p • CVBS : 960 x 576 px - 960H	• AHD / HD-TVI : 2592 x 1944 px - 5 Mpx @ 15, 20 fps • AHD / HD-CVI / HD-TVI : 2560 x 1440 px - 4 Mpx @ 25 fps • CVBS : 960 x 576 px - 960H	1920 x 1080 - 1080p 1280 x 720 - 720p 704 x 576 - D1	1920 x 1080 - 1080p 1280 x 720 - 720p	1920 x 1080 - 1080p 1280 x 720 - 720p	1920 x 1080 - 1080p 960 x 576 - 960H	1920 x 1080 px - 1080p 1280 x 720 px - 720p 960 x 576 px - 960H
Range of IR illumination	45 m	60 m	...	100 m	150 m	150 m	150 m
IR illuminator	...	...	...	...	...	...	...
Lens	2.8 ... 12 mm - Motozoom	2.8 ... 12 mm - Motozoom	2.7 ... 11 mm	4.8 ... 120 mm	4.8 ... 120 mm	4.8 ... 153 mm	4.8 ... 120 mm
View angle	• 91 ° ... 28 ° (manufacturer data) • 76 ° ... 30 ° (our tests result)	• 91 ° ... 28 ° (manufacturer data) • 70 ° ... 29 ° (our tests result)	• 99 ° ... 32 ° (manufacturer data) • 79 ° ... 30 ° (our tests result)	• 61 ° ... 3.2 ° (manufacturer data) • 56 ° ... 3.1 ° (our tests result)	• 61 ° ... 3.2 ° (manufacturer data) • 56 ° ... 3.1 ° (our tests result)	• 54 ° ... 2 ° (manufacturer data) • 54 ° ... 2.5 ° (our tests result)	• 61 ° ... 2.8 ° (manufacturer data) • 57 ° ... 3.1 ° (our tests result)
Optical zoom	x 4	x 4	x 4	x 25	x 25	x 32	x 25
Digital zoom	x 16	x 16	x 16	x 16	x 16	x 16	x 16
Rotation speed depending on ZOOM level	—	—	✓	✓	✓	✓	✓
Auto IR illuminator	✓	✓	...	Adaptive adjusting of the IR illuminator power to the lens zoom and outdoor light conditions	Adaptive adjusting of the IR illuminator power to the lens zoom and outdoor light conditions	...	Adaptive adjusting of the IR illuminator power to the lens zoom and outdoor light conditions
Horizontal rotation range	0 ° ... 355 ° - Rotation of the head is limited by stops	0 ° ... 350 ° - Rotation of the head is limited by stops	0 ... 355 ° - Rotation of the head is limited by stops	360 ° continuous	360 ° continuous	360 ° continuous	360 ° continuous
Vertical rotation range	0 ° ... 70 °	0 ° ... 70 °	0 ° ... 90 °	-15 ° ... 90 °	-15 ° ... 90 °	-15 ° ... 90 °	-15 ° ... 90 °
Rotation speed (manual control)	25 °/s (horizontal) , 20 °/s (vertical)	20 °/s (horizontal) , 25 °/s (vertical)	• 0.1 °/s ... 100 °/s (horizontal), • 0.1 °/s ... 60 °/s (vertical)	• 0.1 °/s ... 200 °/s (horizontal), • 0.1 °/s ... 120 °/s (vertical)	• 0.1 °/s ... 300 °/s (horizontal), • 0.1 °/s ... 200 °/s (vertical)	0.1 °/s ... 160 °/s (horizontal) 0.1 °/s ... 120 °/s (vertical)	0.1 °/s ... 300 °/s (horizontal) 0.1 °/s ... 200 °/s (vertical)
Preset rotation speed	25 °/s (horizontal) 20 °/s (vertical)	25 °/s (horizontal) 20 °/s (vertical)	• 100 °/s (horizontal) • 60 °/s (vertical)	• 240 °/s (horizontal) • 200 °/s (vertical)	• 400 °/s (horizontal) • 300 °/s (vertical)	160 °/s (horizontal) 120 °/s (vertical)	400 °/s (horizontal) 300 °/s (vertical)
PTZ control	Via interface RS-485, Default address : 1, 2400 bps	Via interface RS-485 Default address : 1, 2400 bps	Via interface RS-485 The ability to control via coaxial cable from recorder	Via interface RS-485 The ability to control via coaxial cable from recorder	Via interface RS-485 The ability to control via coaxial cable from recorder	Via interface RS-485 The ability to control via coaxial cable from recorder HIKVISION	Via interface RS-485 The ability to control via coaxial cable from recorder
Protocols	Pelco-D, Pelco-P (auto detection)	Pelco-D, Pelco-P (auto detection)	Pelco-D, Pelco-P, DH-SD (auto detection)	Pelco-D, Pelco-P, DH-SD (auto detection)	Pelco-D, Pelco-P, DH-SD (auto detection)	Pelco-D, Pelco-P (auto detection)	Pelco-D, Pelco-P, DH-SD (auto detection)
S/N ratio	> 50 dB	> 50 dB	...	> 55 dB	...	...	...
Video output	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp 75 Ω	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp 75 Ω	AHD / HD-CVI / HD-TVI / CVBS : 1 Vpp 75 Ω	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp 75 Ω	HD-CVI / CVBS : 1 Vpp 75 Ω	1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / CVBS	HD-CVI, 1 Vpp 75 Ω - To change the standard, in which the camera is operating, the PFM820 controller is required
Audio	—	—	—	External microphone input - HD-CVI only	External microphone input	—	External microphone input
Number of presets	220	220	300	300	300	256	300
Route settings	8	8	8	8	8	10	8
Horizontal scan	—	—	✓	✓	✓	✓	✓
Park action	Calling the preset position after a specified dwell time	Calling the preset position after a specified dwell time	—	...	Call the set function (tour, scan, etc.) after specified dwell time	Call the set function (tour, scan, etc.) after specified dwell time	Call the set function (tour, scan, etc.) after specified dwell time
Alarm inputs / outputs	—	—	—	2 / 1	2 / 1	—	2 / 1

Main features	• ICR - Movable InfraRed filter • 3D-DNR - Digital Noise Reduction • AGC - Automatic Gain Control • Auto White Balance • Sharpness - sharper image outlines	• 3D-DNR - Digital Noise Reduction • AGC - Automatic Gain Control • Auto White Balance • ICR - Movable InfraRed filter • Sharpness - sharper image outlines	• WDR - 120 dB - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • BLC/HLC - Back Light / High Light Compensation • Day/night mode • ICR - Movable InfraRed filter • Auto White Balance • AGC - Automatic Gain Control • Image rotation and mirror • Sharpness - sharper image outlines	• WDR - 120 dB - Wide Dynamic Range • 2D-DNR / 3D-DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • BLC/HLC - Back Light / High Light Compensation • Auto White Balance • Configurable Privacy Zones	• WDR - 120 dB - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • BLC/HLC - Back Light / High Light Compensation • Day/night mode • ICR - Movable InfraRed filter • Auto White Balance • AGC - Automatic Gain Control • 24 Configurable Privacy Zones	• Intelligent 3D Positioning System • WDR ≥ 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • EIS - Electronic Image Stabilization • IR illuminator optimization • BLC/HLC - Back Light / High Light Compensation • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Auto White Balance • Configurable Privacy Zones	• WDR - 120 dB - Wide Dynamic Range • 2-DNR, 3-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ICR - Movable InfraRed filter • BLC/HLC - Back Light / High Light Compensation • AGC - Automatic Gain Control • Privacy zones - max. 24 • Auto restore to previous PTZ and lens status after power failure • Human-oriented focal length and speed adaptation
OSD menu	✓	✓	✓	✓	✓	OSD menu available via Hikvision HD-TVI recorder	✓
Power supply	12 V DC / 940 mA	12 V DC / 860 mA	12 V DC / 750 mA	12 V DC / 3 A	24 V DC / 2.5 A (power adapter included)	24 V AC	24 V AC / 2.5 A (power adapter included)
SAP Code	...	...	...	...	...	301205314	...
Power consumption	≤ 11.3 W	≤ 10.3 W	≤ 9 W	• ≤ 10 W (typical) • 22 W (max)	• ≤ 10 W (typical) • 21 W (max)	≤ 40 W	≤ 22 W
Housing	Speed Dome, Plastic	Speed Dome, Plastic	Speed Dome, Metal	Speed Dome, Metal + Plastic	Speed Dome, Metal + Plastic	Speed Dome, Metal	Speed Dome, Metal + Plastic
Color	White	White	White	White + Black	White + Black	White	White
"Index of Protection"	IP66	IP67	IP66	IP66	IP66	IP66	IP66
Vandal-proof	—	—	IK10	—	—	—	—
Manufacturer / Brand	...	...	DAHUA	DAHUA	DAHUA	Hikvision	BCS Line
Operation temp	-40 °C ... 60 °C	-40 °C ... 60 °C	-30 °C ... 60 °C	-40 °C ... 70 °C	-40 °C ... 70 °C	-30 °C ... 65 °C	-40 °C ... 70 °C
Weight	0.57 kg	0.57 kg	0.53 kg	3.8 kg (with bracket)	4.28 kg (with bracket)	4.5 kg	4.38 kg (with bracket)
Dimensions	Ø 111 x 102 mm	Ø 110 x 100 mm	122 x 89 mm	160 x 350 x 255 mm (with bracket)	297 x 475 x 186 mm (with bracket)	Ø 220 x 353 mm	297 x 475 x 186 mm (with bracket)
Supported languages	English	English	Polish, English	English	English	Polish, English	English
Guarantee	2 years	2 years	5 years	5 years	5 years	3 years	3 years