

[WWW.PARTIZAN-CCTV.COM](http://WWW.PARTIZAN-CCTV.COM)

CCTV+ACCESS CONTROL PRODUCT CATALOG



## ABOUT THE BRAND

Partizan is an original name since 2008. Developed in Europe and assembled in Asia, Partizan's product line includes IP, HD, analogue video surveillance and smart access control system. Powerful all-in-one CMS software, cloud-based setup, Partizan equipment well-integrated and working fine for your comfortable safety! It's a beautiful blend of maximum technical capacity and reasonable price.

Our products can be used in different areas and conditions. They work perfectly well in Central Russia during its cold winter, as well as in humid and hot tropical Kenya.

Among our vertical markets there are banking, retail, government projects, public security, commercial property and manufacturing.

Partizan – is a unique mix of high quality, newest technology and low price. User friendly software and good looking design will make happy even non-professionals. It's easy to install and comfortable to use. Due to this we are an undisputed leader of the market in our segment!



UEFA  
**EURO2012**  
POLAND-UKRAINE



TRUSSARDI

## ANALOG VIDEO SURVEILLANCE

In each model of Partizan for analog CCTV collected only the required set of functional and nothing more. You only pay for what you really need.

Thanks to serial production and selection of unique component base, we were able to reduce the cost of each stage of production without losing the most important - the quality and reliability. As a result we offer to you really stable equipment with confirmed performance characteristics.

Resolution up to	1000 TVL
Focal length	2,8-50 mm
IR LED up to	80 m
Operating temperature	-35 °C to +55 °C
Supported mobile platforms	iOS, Android and more
Base software	Partizan CMS
Support of	Cloud technologies and NoIP Service
Free technical support	lifetime!

**ANALOG  
CAMERAS**

	<b>Dome cameras</b>				
	<b>Fixed focal length</b>		<b>Fixed focal length with IR</b>		<b>Varifocal</b>
	CDM-236SM	CDM-332HQ-7	CDM-223S-IR	CDM-333H-IR	CDM-VF32HQ-7
					
Image sensor	1/3" Hi-Res CMOS Pro Gen II	1/3" SONY Exmor CMOS 720p Gen II	1/3" Hi-Res CMOS Pro Gen IV	1/3" SONY Exmor CMOS 720p Gen II	1/3" SONY Exmor CMOS 720p Gen II
TV lines	600	1000	800	1000	1000
Focal length	3,6 mm	3,6 mm	3,6 mm	3,6 mm	2,8-12 mm
IR distance	-	-	20 m	20 m	-
Minimum Illumination	0,01 lux	0,005 lux	0,01 lux	0,005 lux	0,005 lux
Signal/noise ratio	47,1 dB	48 dB	46,4 dB	48 dB	48 dB
OSD menu	-	+	-	+	+
Built-in functions	AGC, AWB, BLC	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR
Operating temperature	+ 10°C ~ +50°C	+ 10°C ~ +50°C	+ 10°C ~ +50°C	+ 10°C ~ +50°C	+ 10°C ~ +50°C
IP/IK rating	IP44	IP44	IP44	IP44	IP44
Power	DC 12V / 150 mA	DC 12V / 100 mA	DC 12V / 250 mA	DC 12V / 250 mA	DC 12V / 150 mA
Housing material	Plastic	Plastic	Plastic	Plastic	Plastic
Dimension	Ø68x53 mm	Ø96x65 mm	Ø94x69 mm	Ø94x69 mm	Ø127x95 mm
Weight	50 g	200 g	270 g	300 g	285 g




**ANALOG  
CAMERAS**

	Dome cameras				PTZ camera	Outdoor cameras	
	Varifocal with IR		Fixed focal length vandal-proof housing		Zoom and autofocus	Fixed focal length with IR	
	CDM-VF33H-IR	CDM-VF37H-IR	CDM-860VP	CDM-860S-IR	SDA-540D New	COD-331S	COD-454HM
							
Image sensor	1/3" Hi-Res CMOS Pro Gen IV	1/3" SONY Exmor CMOS 720p Gen II	1/3" Hi-Res CMOS Pro Gen IV	1/3" Color HD-Sensor CCD	1/3" SONY Super HAD II CCD, Enhanced "Effio-E"	1/3" Hi-Res CMOS Pro Gen IV	1/3" SONY Exmor CMOS 720p Gen II
TV lines	800	1000	800	600	700	800	1000
Focal length	2,8-12 mm	2,8-12 mm	3,6 mm	3,6 mm	5-60 mm (12X)	3,6 mm	3,6 mm
IR distance	20 m	30 m	-	20 m	-	20 m	20 m
Minimum Illumination	0,01 lux	0,005 lux	0,01 lux	0,001 lux	0,001 lux	0,01 lux	0,005 lux
Signal/noise ratio	46,4 dB	48 dB	46,4 dB	50 dB	52 dB	46,4 dB	48 dB
OSD menu	+	+	-	-	+	-	+
Built-in functions	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, AES, ATR	AGC, AWB, BLC, AES, ATR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR
Operating temperature	+ 10 °C ~ + 50 °C	- 20 °C ~ + 55 °C	- 20 °C ~ + 55 °C	- 20 °C ~ + 55 °C	- 35 °C ~ + 55 °C	- 35 °C ~ + 55 °C	- 35 °C ~ + 55 °C
IP/IK rating	IP44	IP55	IP55/IK10	IP55/IK10	IP66	IP66	IP66
Power	DC 12V / 250 mA	DC 12V / 450 mA	DC 12V / 100 mA	DC 12V / 300 mA	DC 12V / 700 mA	DC 12V / 300 mA	DC 12V / 300 mA
Housing material	Plastic	Metal	Metal	Metal	Metal	Metal	Metal
Dimension	Ø128x96 mm	Ø131x93 mm	Ø92x63 mm	Ø146x102 mm	Ø121x175 mm	Ø60x75 mm	Ø50x88 mm
Weight	285 g	800 g	275 g	300 g	3000 g	275 g	300 g





**ANALOG  
CAMERAS**

	Miniature camera	Outdoor cameras					Box camera
	Fixed focal length	Varifocal		Varifocal with IR long distance			Without lens
	CBL-553H	COD-VF3SE	COD-VF3CH	COD-VF4HQ SF	COD-VF4HQ	COD-VF5HR	CBX-32HQ
							
Image sensor	1/3" SONY Super HAD II CCD, Enhanced "Effio-E"	1/3" SONY Super HAD CCD	1/3" SONY Exmor CMOS 720p Gen II	1/3" SONY Exmor CMOS 720p Gen II	1/3" SONY Exmor CMOS 720p Gen II	1/3" SONY Exmor CMOS 720p Gen II	1/3" SONY Super HAD II CCD, Enhanced "Effio-E"
TV lines	700	650	1000	1000	1000	1000	700
Focal length	3,6 mm	2,8-12 mm	2,8-12 mm	2,8-12 mm	9-22 mm	5-50 mm	C/CS, not included
IR distance	-	40 m	40 m	60 m	60 m	80 m	-
Minimum Illumination	0,001 lux	0,001 lux	0,005 lux	0,005 lux	0,005 lux	0,005 lux	0,001 lux
Signal/noise ratio	52 dB	48 dB	48 dB	48 dB	48 dB	48 dB	52 dB
OSD menu	-	-	+	+	+	+	+
Built-in functions	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, AES	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR
Operating temperature	- 20 °C ~ + 55 °C	- 35 °C ~ + 55 °C	- 35 °C ~ + 55 °C	- 35 °C ~ + 55 °C	- 35 °C ~ + 55 °C	- 35 °C ~ + 55 °C	+10 °C ~ + 50 °C
IP/IK rating	IP55	IP66	IP66	IP66	IP66	IP66	IP44
Power	DC 12V / 150 mA	DC 12V / 400 mA	DC 12V / 550 mA	DC 12V / 800 mA	DC 12V / 800 mA	DC 12V / 1000 mA	DC 12V / 100 mA
Housing material	Metal	Metal	Metal	Metal	Metal	Metal	Plastic
Dimension	Ø20x62 mm	Ø70x123 mm	Ø70x123 mm	Ø85x156 mm	Ø85x156 mm	Ø85x133 mm	110x45x55 mm
Weight	200 g	800 g	800 g	915 g	915 g	1065 g	300 g

**ANALOG  
DVR'S**

	<b>4 cameras</b>			<b>8 cameras</b>
	<b>ADM-44U</b>	<b>ADF-14S</b>	<b>CHD-24V</b>	<b>ADM-88V</b>
				
Video input/output	4 BNC inputs/ 1 BNC output, VGA, HDMI	4 BNC inputs/ 1 BNC output, VGA, HDMI	4 RCA inputs/ 1 RCA output, VGA, HDMI	8 BNC inputs/ 1 BNC output, VGA, HDMI
Recording resolution	960x576, 720x576, 720x288, 352x288	960x576, 720x576, 352x288, 176x144	1 channel 720x576 + 3 channels 360x288	720x576, 720x288, 352x288
Recording speed	960H 48 fps, D1 100 fps, HD1 100 fps, CIF 100 fps	960H 100 fps, D1 100 fps, HD1 100 fps, CIF 100 fps	D1 25 fps + CIF 75 fps	D1 200 fps, HD1 200 fps, CIF 200 fps
Number of channels in playback mode	2xD1 50 fps, 4x960H 48 fps	4x960H/D1 100 fps	1xD1 25 fps + 3xCIF 75 fps	2xD1 50 fps, 8xHD1/CIF 200 fps
Compression method	H.264	H.264	H.264	H.264
Hard disk drive	1xSATA HDD up to 3Tb	1xSATA HDD up to 3Tb	External USB HDD	1xSATA HDD up to 3 Tb
Recording modes	Manual, motion detection, schedule, continuous	Manual, motion detection, schedule, continuous	Manual, motion detection, schedule, continuous	Manual, motion detection, schedule, continuous
Audio	4 RCA inputs/ 1 RCA output	4 RCA inputs/ 1 RCA output	2 RCA inputs/ 1 RCA output	4 RCA inputs/ 1 RCA output
Backup	USB 2.0, FTP, Web, CMS	USB 2.0, FTP, Web, CMS	USB 2.0, FTP, Web, CMS	USB 2.0, FTP, Web, CMS
PTZ control	RS-485	RS-485	-	RS-485
Network	Ethernet 10/100Mbit, Web-interface	Ethernet 10/100Mbit, Web-interface	Ethernet 10/100Mbit, Web-interface	Ethernet 10/100Mbit, Web-interface
RTSP	+	+	+	+
Intelligent detectors	-	-	-	-
Alarm inputs/outputs	-	-	-	-
Language	English, Russian, Arabic, French, Polish, Romanian, German, Spanish, Italian, Portuguese	English, Russian, Arabic, French, Polish, Romanian, German, Spanish, Italian, Portuguese	English, Russian, Arabic, French, Polish, Romanian, German, Spanish, Italian, Portuguese	English, Russian, Arabic, French, Polish, Romanian, German, Spanish, Italian, Portuguese
Devices included	IR remote control, mouse	IR remote control, mouse	IR remote control	IR remote control, mouse
Power	DC 12 V / 2 A	DC 12 V / 3 A	DC 5 V / 2 A	DC 12 V / 2 A
Dimensions	260x43x200 mm	260x43x200 mm	175x65x40 mm	260x43x200 mm

**HYBRID DVR'S  
ANALOG+IP**

	8 cameras		16 cameras	
	ADH-18V	ADT-86DR8	ADM-816V	ADH-16A
				
Video input /output	8 BNC inputs/ 1 BNC output, VGA, HDMI	8 BNC inputs/ 2 BNC outputs, VGA, HDMI	16 BNC inputs/ 1 BNC output, VGA, HDMI	16 BNC inputs/ 2 BNC outputs, VGA, HDMI
Recording resolution	1920x1080, 1280x720, 960x576,720x576, 352x288, 176x144	1920x1080, 1280x720, 960x576,720x576, 352x288, 176x144	1920x1080, 1280x720, 960x576,720x576, 352x288, 176x144	1920x1080, 1280x720, 960x576,720x576, 352x288, 176x144
Recording speed	960H 100 fps , D1 200 fps, HD1 200 fps, CIF 200 fps	960H 200 fps, D1 200 fps, HD1 200 fps, CIF 200 fps	960H 192 fps, D1 400 fps, HD1 400 fps, CIF 400 fps	960H 400 fps, D1 400 fps, HD1 400 fps, CIF 400 fps
Number of channels in playback mode	1xD1 25 fps, 2x960H 24 fps, 8xHD1/CIF 200 fps	4x960H 100 fps, 8xD1/HD1/CIF 200 fps	4x960H 48 fps, 4xD1 100 fps, 8xHD1/CIF 200 fps	4x960H 48 fps, 4xD1 100 fps, 8xHD1/CIF 200 fps
Compression method	H.264	H.264	H.264	H.264
Hard disk drive	1xSATA HDD up to 3 Tb	2xSATA HDD up to 3 Tb	1xSATA HDD up to 3 Tb	2xSATA HDD up to 3 Tb
Recording modes	Manual, motion detection, schedule, continuous			
Work mode	Analog: 8xD1; analog+IP: 1x1080p+1x720p+2xD1; IP: 2x1080p or 4x720p.	Analog: 8x960H; analog+IP: 1x1080p+3x720p+4xD1; IP: 2x1080p or 4x720p.	Analog: 16x960H; analog+IP: 1x1080p+1x720p+4xD1; IP: 2x1080p+2x720p or 8x720p.	Analog: 16x960H; analog+IP: 1x1080p+7x720p+4x960H; IP: 4x1080p or 2x1080p+2x720p or 8x720p.
Audio	8 RCA inputs/ 1 RCA output	8 RCA inputs/ 1 RCA output	2 RCA inputs/ 1 RCA output	4 RCA inputs/ 1 RCA output
Backup	USB 2.0, FTP, Web, CMS	USB 2.0, FTP, Web, CMS	USB 2.0, FTP, Web, CMS	USB 2.0, FTP, Web, CMS
PTZ control	RS-485	RS-485	RS-485	RS-485
Network	Ethernet 10/100 Mbit, Web-interface	Ethernet 10/100 Mbit, Web-interface	Ethernet 10/100 Mbit, Web-interface	Ethernet 10/100 Mbit, Web-interface
RTSP	+	+	+	+
Intelligent detectors	+	+	+	+
Alarm inputs/outputs	4 inputs/ 1 output	4 inputs/ 1 output	-	8 inputs/ 1 output
Language	English, Russian, Arabic, French, Polish, Romanian, German, Spanish, Italian, Portuguese	English, Russian, Arabic, French, Polish, Romanian, German, Spanish, Italian, Portuguese	English, Russian, Arabic, French, Polish, Romanian, German, Spanish, Italian, Portuguese	English, Russian, Arabic, French, Polish, Romanian, German, Spanish, Italian, Portuguese
Devices included	IR remote control, mouse	IR remote control, mouse	IR remote control, mouse	IR remote control, mouse
Power	DC 12 V / 4 A	DC 12 V / 4 A	DC 12V/3 A	DC 12 V / 4 A
Dimensions	310x45x285 mm	350x45x295 mm	260x43x200 mm	350x45x295 mm



## **PARTIZAN ANALOG HD - A NEW ERA IN ANALOGUE VIDEO SURVEILLANCE!**

High-resolution HD or full-HD video transmission is now available at distances up to 500 meters through coaxial cable.




Partizan AHD cameras enable you to arrange video surveillance system at minimal cost and to implement even such complex tasks as fixing car numbers, face detection or monitoring cash counting and important paperwork. Partizan AHD DVRs are designed for a comfortable upgrade to a new level of high-quality video surveillance. They are completely multifunctional and ready to work with any kind of video cameras: traditional analogue, newest analogue HD and even IP.

<b>Resolution</b>	<b>from D1 up to 2MP/1080p</b>
<b>Video and Audio signal transmission</b>	<b>up to 500m by coax</b>
<b>True hybrid HDR support</b>	<b>analog, AHD and IP cameras</b>
<b>Supported mobile platforms</b>	<b>iOS, Android and more</b>
<b>Base software</b>	<b>Partizan CMS</b>
<b>Compatible</b>	<b>matrix and video divider</b>
<b>Open AHD-platform</b>	<b>support of third party equipment</b>
<b>Support of</b>	<b>Cloud technologies and NoIP Service</b>
<b>Free technical support</b>	<b>lifetime!</b>

**AHD cameras**

	Dome cameras				Outdoor cameras			
	Fixed focal length with IR		Varifocal with IR		Fixed focal length		Varifocal	
	AND-1SP-IR SE	AND-1SP-IR	AND-VF1MP-IRSE	AND-VF1MP-IR	ANW-1SP SE	ANW-1SP	ANW-VF1MP SE	ANW-VF1MP
								
Image sensor	1/4"OmniVision	1/3" SONY Exmor	1/4"OmniVision	1/3" SONY Exmor	1/4"OmniVision	1/3" SONY Exmor	1/4"OmniVision	1/3" SONY Exmor
Resolution	1 Mp/720p	1.3 Mp/960p	1 Mp/720p	1.3 Mp/960p	1 Mp/720p	1.3 Mp/960p	1 Mp/720p	1.3 Mp/960p
Focal length	3,6 mm	3,6 mm	2,8-12 mm	2,8-12 mm	3,6 mm	3,6 mm	2,8-12 mm	2,8-12 mm
IR distance	20 m	20 m	30 m	30 m	25 m	25 m	40 m	40 m
Minimum Illumination	0,5 lux	0,1 lux	0,5 lux	0,1 lux	0,5 lux	0,1 lux	0,5 lux	0,1 lux
OSD menu	+	+	+	+	+	+	+	+
Built-in functions	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR	AGC, AWB, BLC, DNR, WDR
Operating temperature	+ 10 °C ~ + 50 °C	+ 10 °C ~ + 50 °C	- 20 °C ~ + 55 °C	- 20 °C ~ + 55 °C	- 40 °C ~ + 60 °C	- 40 °C ~ + 60 °C	- 40 °C ~ + 60 °C	- 40 °C ~ + 60 °C
IP/IK rating	IP44	IP44	IP55	IP55	IP66	IP66	IP66	IP66
Power	DC 12V / 250 mA	DC 12V / 250 mA	DC 12V / 450 mA	DC 12V / 450 mA	DC 12V / 350 mA	DC 12V / 350 mA	DC 12V / 500 mA	DC 12V / 500 mA
Housing material	Plastic	Plastic	Metal	Metal	Metal	Metal	Metal	Metal
Dimension	Ø92x65 mm	Ø92x65 mm	Ø131x93 mm	Ø131x93 mm	Ø58x82 mm	Ø58x82 mm	Ø75x160 mm	Ø75x160 mm
Weight	270 g	270 g	800 g	800 g	375 g	375 g	850 g	850 g

**AHD Hybrid DVR's**

	4 cameras	8 cameras	
	HDR-41M	HDR-81M	HDR-82M
			
Video input / output	4 BNC inputs/ 1 VGA, 1 HDMI output	8 BNC inputs/ 1 VGA, 1 HDMI output	8 BNC inputs/ 1 VGA, 1 HDMI output
Recording resolution	1280x720, 960x576,720x576, 720x288	1280x720, 960x576,720x576, 720x288	1280x720, 960x576,720x576, 720x288
Recording speed	720p 100 fps, 960H 100 fps, D1 100 fps	720p 200 fps, 960H 200 fps, D1 200 fps	720p 200 fps, 960H 200 fps, D1 200 fps
Number of channels in playback mode	4x720p/960H/D1 100 fps	8x720p/960H/D1 200 fps	8x720p/960H/D1 200 fps
Compression method	H.264	H.264	H.264
Hard disk drive	1xSATA HDD up to 4Tb	1xSATA HDD up to 4Tb	2xSATA HDD up to 4Tb
Recording modes	Manual, motion detection, schedule, continuous	Manual, motion detection, schedule, continuous	Manual, motion detection, schedule, continuous
Work mode	AHD or Analog: 4*720P or 4*960H IP: 2*1080P+2*720P or 8*720P	AHD or Analog: 8*720P or 8*960H IP: 4*1080P or 1*1080P+8*720P or 20*960H	AHD or Analog: 8*720P or 8*960H IP: 4*1080P or 1*1080P+8*720P or 20*960H
Audio	4 RCA inputs/ 1 RCA output	2 RCA inputs/ 1 RCA output	6 RCA inputs/ 1 RCA output
Backup	USB 2.0, FTP, Web, CMS	USB 2.0, FTP, Web, CMS	USB 2.0, FTP, Web, CMS
PTZ control	RS-485	RS-485	RS-485
Network	Ethernet 10/100Mbit, Web-interface	Ethernet 10/100Mbit, Web-interface	Ethernet 10/100Mbit, Web-interface
RTSP	+	+	+
Alarm inputs / outputs	-	-	4 inputs/ 1 output
Language	English, Russian, Arabic, French, Polish, Romanian, German, Spanish, Italian, Portuguese	English, Russian, Arabic, French, Polish, Romanian, German, Spanish, Italian, Portuguese	English, Russian, Arabic, French, Polish, Romanian, German, Spanish, Italian, Portuguese
Devices included	IR remote control, mouse	IR remote control, mouse	IR remote control, mouse
Power	DC 12 V / 3 A	DC 12 V / 3 A	DC 12 V / 4 A
Dimensions	260x43x200 mm	260x43x200 mm	350x45x295 mm

## IP VIDEO SURVEILLANCE







Equipment for IP video surveillance made by Partizan, developed in accordance with the most advanced technologies in the field of electronics, security and software. But, despite all the technological complexity, Partizan IP system simple to set up, have high reliability and easy to use.

Partizan IP cameras helps to solve any problem of security organization, whether it is an overview of the territory or control of cash transactions. We also have special offers for home users - ultrabudgetary models that require minimal skills to install and configure.

Line of NVRs Partizan is a universal solution for IP video surveillance systems by using protocol Onvif, which supports well not only Partizan cameras, but cameras from other manufacturers too.

Excellent resolution up to	5 MP
Support for the latest standards	Onvif and RTSP
Works in	Partizan CMS, Axxon, Milestone and more
IR LED up to	100m
Operating temperature	-40 °C to +60 °C
Special features	Panorama, Adjustable IR LEDs, True WDR and more
Supported mobile platforms	iOS, Android and more
Support of	Cloud technologies and NoIP Service






**IP CAMERAS**

<b>Dome cameras</b>							
	IPD-1SP-IR SE	IPD-1SP	IPD-2SP-IR	IPD-VF2MP	IPD-VF2MP-IR	IPD-5SP-IR	IPD-VF5MP-IR
							
Max. resolution	1 Mp	1,3 Mp	2 Mp	2 Mp	2 Mp	5 Mp	5 Mp
Image sensor	1/4" OmniVision	1/3" Aptina	1/2.8" Full HD Sony Ultra	1/2.8" Full HD Sony Ultra	1/2.8" Full HD Sony Ultra	1/2.5" Aptina	1/2.5" Aptina
Main stream	720p 25 fps	960p 25 fps, 720p 25 fps	1080p 25 fps	1080p 25 fps	1080p 25 fps	2560x1960 14 fps, 2048x1536 23 fps, 1080p 25 fps	2560x1960 14 fps, 2048x1536 23 fps, 1080p 25 fps
Sub stream	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps
ONVIF	+	+	+	+	+	+	+
Focal length	3,6 mm	3,6 mm	3,6 mm	2,8-12 mm	2,8-12 mm	3,6 mm	2,8-12 mm
RTSP	+	+	+	+	+	+	+
IR distance	20 m	-	30 m	-	20 m	30 m	30 m
Minimum Illumination	0,5 lux	0,5 lux	0,1 lux	0,1 lux	0,1 lux	0,1 lux	0,1 lux
PoE	Optional	Optional	+	+	Optional	+	+
SD card	-	-	-	-	-	-	-
IP/IK rating	IP55	IP44	IP55	IP44	IP66/IK10	IP55	IP66/IK10
Housing material	Metal	Plastic	Metal	Plastic	Metal	Metal	Metal
Operating temperature	-20 °C ~ +55 °C	+10 °C ~ +50 °C	-20 °C ~ +55 °C	+10 °C ~ +50 °C	-20 °C ~ +55 °C	-20 °C ~ +55 °C	-20 °C ~ +55 °C

**IP CAMERAS**






	<b>Cube camera</b>	<b>Panoramic camera</b>	<b>PTZ cameras</b>					<b>Box camera</b>
	IPC-1SP-IR	IPF-1SP	IPS-118X-IR SE	IPS-118X-IR	IPS-220X IN	IPS-220X	IPS-220X-IR	IPB-2MP
								
Resolution	1 Mp	1.3 Mp	1.3 Mp	1.3 Mp	2Mp	2Mp	2Mp	2 Mp
Image sensor	1/4"OmniVision	1/2.7"HD Sony Exmor	1/3"Aptina	1/3" Aptina	1/2.7"Full HD Sony Exmor Pro	1/2.7"Full HD Sony Exmor Pro	1/2.7"Full HD Sony Exmor Pro	1/2.7"Full HD Sony Exmor Pro
Main stream	720p 25 fps	960p 25 fps, D1 25 fps	960p 25 fps, 720p 25 fps	960p 25 fps, 720p 25 fps	1080p 25 fps, 720p 25 fps	1080p 25 fps, 720p 25 fps	1080p 25 fps, 720p 25 fps	1080p 25 fps, 720p 25 fps
Substream	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps
ONVIF	+	+	+	+	+	+	+	+
Focallength	3,6 mm	360 degree HD "fisheye" lens	4,7-84,6 mm (18X) medium speed camera rotation	4,7-84,6 mm (18X)	4,7-94 mm (20X)	4,7-94 mm (20X)	4,7-94 mm (20X)	C/CS, not included
RTSP	+	+	+	+	+	+	+	+
IR distance	10m	10m	100m	100m	-	-	100m	-
Minimum Illumination	0,5 lux	0,1 lux	0,5 lux	0,5 lux	0,1 lux	0,1 lux	0,1 lux	0,1 lux
PoE	-	+	-	-	-	-	-	+
Audio In/Out	1/0	1/0	-	-	1/1	1/1	1/1	1/1
Alarm In/Out	1/1	-	-	-	1/1	1/1	1/1	1/1
SD card	+	+	-	-	+	+	+	+
IP/Krating	IP44	IP44	IP66	IP66	IP66	IP66/IK10	IP66	IP44
Housing material	Plastic	Plastic	Metal	Metal	Plastic	Metal	Metal	Metal
Operating temperature	+ 10 °C ~ + 50 °C	+ 10 °C ~ + 50 °C	- 40 °C ~ + 60 °C	- 40 °C ~ + 60 °C	+ 10 °C ~ + 50 °C	- 40 °C ~ + 60 °C	- 40 °C ~ + 60 °C	+ 10 °C ~ + 50 °C

**IP CAMERAS**

<b>Outdoor cameras</b>					
	IPO-1SP EC	IPO-1SP SE	IPO-VF1MP SE	IPO-1SP	IPO-VF1MP
					
Max. resolution	1 Mp	1 Mp	1 Mp	1,3 Mp	1,3 Mp
Image sensor	1/4" OmniVision	1/4" OmniVision	1/4" OmniVision	1/3" Aptina	1/3" Aptina
Main stream	720p 25 fps	720p 25 fps	720p 25 fps	960p 25 fps, 720p 25 fps	960p 25 fps, 720p 25 fps
Sub stream	D1 6 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps
ONVIF	+	+	+	+	+
Focal length	3,6 mm	3,6 mm	2,8-12 mm	3,6 mm	2,8-12 mm
RTSP	+	+	+	+	+
IR distance	25 m	25 m	40 m	25 m	40 m
Minimum Illumination	0,5 lux	0,5 lux	0,5 lux	0,5 lux	0,5 lux
PoE	Optional	Optional	Optional	Optional	Optional
SD card	-	-	-	-	-
IP/IK rating	IP66	IP66	IP66	IP66	IP66
Housing material	Metal	Metal	Metal	Metal	Metal
Operating temperature	- 40 °C ~ + 60 °C	- 40 °C ~ + 60 °C	- 40 °C ~ + 60 °C	- 40 °C ~ + 60 °C	- 40 °C ~ + 60 °C


**Outdoor cameras**

**IP CAMERAS**

	IPO-2SP	IPO-VF2MP	IPO-VF2LP	IPO-VF2RP	IPO-5SP	IPO-VF5MP
						
Max. resolution	2 Mp	2 Mp	2 Mp	2 Mp	5 Mp	5 Mp
Image sensor	1/2.8" Full HD Sony Ultra	1/2.8" Full HD Sony Ultra	1/2.8" Full HD Sony Ultra	1/2.8" Full HD Sony Ultra	1/2.5" Aptina	1/2.5" Aptina
Main stream	1080p 25 fps	1080p 25 fps	1080p 25 fps	1080p 25 fps	2560x1960 14 fps, 2048x1536 23 fps, 1080p 25 fps	2560x1960 14 fps, 2048x1536 23 fps, 1080p 25 fps
Sub stream	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps	D1 25 fps, CIF 25 fps
ONVIF	+	+	+	+	+	+
Focal length	3,6 mm	2,8-12 mm	6-22 mm	5-50 mm	3,6 mm	2,8-12 mm
RTSP	+	+	+	+	+	+
IR distance	25 m	40 m	60 m	100 m	25 m	40 m
Minimum Illumination	0,1 lux	0,1 lux	0,1 lux	0,1 lux	0,1 lux	0,1 lux
PoE	+	+	+	+	+	+
SD card	-	-	-	-	-	-
IP/IK rating	IP66	IP66	IP66	IP66	IP66	IP66
Housing material	Metal	Metal	Metal	Metal	Metal	Metal
Operating temperature	-40 °C ~ +60 °C	-40 °C ~ +60 °C	-40 °C ~ +60 °C	-40 °C ~ +60 °C	-40 °C ~ +60 °C	-40 °C ~ +60 °C



**IP DVR'S**

	4 cameras		8 cameras		
	NVH-411 POE	NVM-421	NVM-821	NVH-822	NVH-852
					
Maximum number of cameras	8	8	8	16	32
Supported resolution for recording	960p/720p/D1/HD1/CIF/QCIF	1080p/960p/720p/D1/HD1/CIF/QCIF	1080p/960p/720p/D1/HD1/CIF/QCIF	1080p/960p/720p/D1/HD1/CIF/QCIF	2592x1944/2048x1536/1080p/960p/720p/D1/HD1/CIF/QCIF
Resolution parameters for recording	4x960p 100 fps, 8xD1 200 fps	4x1080p/720p 100 fps, 8xD1 200 fps	8x1080p/720p 200 fps	8x1080p/720p 200 fps, 16xD1 400 fps	8x2592x1944 200 fps, 16x2048x1536 400 fps, 24x1080p 600 fps, 32x720p 800 fps
Number of channels in the monitoring mode	8	8	8	16	32
Number of channels in playback mode	1x720p 25 fps, 4xD1 100 fps	1x1080p/720p 25 fps, 4xD1 100 fps	2x1080p 50 fps, 4x720p 100 fps	1x1080p 25 fps, 2x720p 50 fps, 4xD1 100 fps	2x2592x1944 50 fps, 4x2048x1536 100 fps, 4x1080p 100 fps, 8x720p 200 fps
Video Output	1xBNC, 1xVGA, 1xHDMI	1xBNC, 1xVGA, 1xHDMI	1xBNC, 1xVGA, 1xHDMI	1xBNC, 1xVGA, 1xHDMI	1xVGA, 1xHDMI
Audio Output	1xRCA	1xRCA	1xRCA	1xRCA	1xRCA
Audio Input	-	-	-	-	1xRCA
Backup	USB 2.0, FTP, Web, CMS	USB 2.0, FTP, Web, CMS	USB 2.0, FTP, Web, CMS	USB 2.0, FTP, Web, CMS	USB 2.0, FTP, Web, CMS
Hard disk drive	1xSATA HDD up to 4 Tb	1xSATA HDD up to 4 Tb	1xSATA HDD up to 4 Tb	2xSATA HDD up to 4 Tb	2xSATA HDD up to 4 Tb, 1x eSATA
Network	Ethernet 10/100 Mbit, Web-interface	Ethernet 10/100 Mbit, Web-interface	Ethernet 10/100 Mbit, Web-interface	Ethernet 10/100 Mbit, Web-interface	Ethernet 10/100/1000 Mbit, Web-interface
Alarm inputs / outputs	-	-	-	-	-
PTZ control	RS-485	RS-485	RS-485	RS-485	RS-485
ONVIF	+	+	+	+	+
RTSP	+	+	+	+	+
Power	DC 12 V / 2 A, POE DC 48 V / 1,5 A	DC 12 V / 2 A	DC 12 V / 2 A	DC 12 V / 3 A	DC 12 V / 4 A
Dimensions	260x43x200 mm	260x43x200 mm	260x43x200 mm	350x45x295 mm	350x45x295 mm








**IP DVR'S**

	<b>24 cameras</b>	
	NVH-2422	NVT-2454
		
Maximum number of cameras	32	32
Supported resolution for recording	2592x1944/2048x1536/1080p/960p/720p/D1/HD1/CIF/QCIF	2592x1944/2048x1536/1080p/960p/720p/D1/HD1/CIF/QCIF
Resolution parameters for recording	8x2592x1944 200 fps, 16x2048x1536 400 fps, 24x1080p 600 fps, 32x720p 800 fps	8x2592x1944 200 fps, 16x2048x1536 400 fps, 24x1080p 600 fps, 32x720p 800 fps
Number of channels in the monitoring mode	32	32
Number of channels in pllayback mode	2x2592x1944 50 fps, 4x2048x1536 100 fps, 4x1080p 100 fps, 8x720p 200 fps	2x2592x1944 50 fps, 4x2048x1536 100 fps, 4x1080p 100 fps, 8x720p 200 fps
Video Output	1xVGA, 1xHDMI	1xVGA, 1xHDMI
Audio Output	1xRCA	1xRCA
Audio Input	1xRCA	1xRCA
Backup	USB 2.0, FTP, Web, CMS	USB 2.0, FTP, Web, CMS
Hard disk drive	4xSATA HDD up to 4 Tb, 1x eSATA	8xSATA HDD up to 4 Tb, 1x eSATA
Network	Ethernet 10/100/1000 Mbit, Web-interface	Ethernet 10/100/1000 Mbit, Web-interface
Alarm inputs / outputs	16 inputs/ 4 outputs	16 inputs/ 4 outputs
PTZ control	RS-485	RS-485
ONVIF	+	+
RTSP	+	+
Power	DC 12 V / 6 A	AC 220 V
Dimensions	440x60x345 mm	442x91x430 mm






## ACS PARTIZAN

ACS Partizan is a real revolution in the access control. Now you can not only automatically control all entrances and exits, but also manage any special equipment, even from your mobile device! Access Control has never been so simple and so reliable. The most flexible settings and configuration of staff scheduling, intelligent door management, multilevel algorithms of reactions, a powerful built-in memory controller can service up to 120 000 users and store 200 000 events. And this is just the beginning. With optional software modules you can fully manipulate objects of any size at your fingertips.





<b>Interfaces</b>	<b>RS-485 and Ethernet</b>
<b>Users up to</b>	<b>120 000</b>
<b>Events up to</b>	<b>200 000</b>
<b>One controller can manage up to</b>	<b>4 doors and 2 ways each</b>
<b>Base software</b>	<b>Partizan ACM</b>
<b>Warranty</b>	<b>24 months</b>

Readers							
<b>READERS</b>							
	PAR-E1 Beige/Black	PAR-EK3 Gray	PAR-E4 MR Black Outdoor	PAR-R5 LR White	PAR-E6 Black	PAR-E10 Silver	PAR-E1 USB
Card reader protocol	EM-Marin, HID (optional)	EM-Marin, HID (optional)	EM-Marin, HID (optional)	ISO18000-6B, ISO18000-6C	EM-Marin, HID (optional)	EM-Marin, HID (optional)	EM-Marin, HID (optional)
Output interface	Wiegand 26	Wiegand 26	Wiegand 26	Wiegand 26, RS-232	Wiegand 26	Wiegand 26	USB
Reader frequency	125 kHz	125 kHz	125 kHz	865-928 mHz	125 kHz	125 kHz	125 kHz
Light indication	Two tone LED (Red and Green)	Two tone LED (Red and Green)	Two tone LED (Red and Green)	Two tone LED (Red and Green)	Three tone LED (Red, Blue and Green)	Three tone LED (Red, Blue and Green)	None
Reading range	100 mm	100 mm	1200 mm	6000 mm	100 mm	100 mm	30 mm
Power	DC 12 V / 80 mA	DC 12 V / 80 mA	DC 12 V / 200 mA	DC 12 V / 1000 mA	DC 12 V / 80 mA	DC 12 V / 80 mA	USB 2.0
Dimensions	80x40x15 mm	108x88x32 mm	35x235x240 mm	227x227x60 mm	120x45x18 mm	115x70x31 mm	100x80x20 mm
Weight	60 g	150 g	400 g	400 g	100 g	150 g	120 g
IP rating	IP66	IP66	IP66	IP66	IP66	IP66	IP44
Case color	Beige, black	Gray	Black	White	Black	Silver	Black
Operating temperature	- 30 °C ~ + 50 °C	- 30 °C ~ + 50 °C	-30 °C ~ + 50 °C	-30 °C ~ + 50 °C	- 30 °C ~ + 50 °C	- 30 °C ~ + 50 °C	+ 5 °C ~ + 50 °C

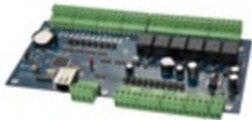


**ACCESS  
CONTROLLERS**

	Embedded controllers			1 door	
	PAS-12	PAM-E12.RS	PAM-E12.NET	PAC-12.RS	PAC-12.NET
					
User	2000	30000	30000	30000	30000
Event	-	60000	60000	60000	60000
Card reader	2	2	2	2	2
Card reader protocol	Wiegand 26 / Wiegand 34	Wiegand 26 / Wiegand 34	Wiegand 26 / Wiegand 34	Wiegand 26 / Wiegand 34	Wiegand 26 / Wiegand 34
Reader frequency	125 kHz	125 kHz	125 kHz	-	-
Fire alarm inputs/ outputs	-	1/1	1/1	1/1	1/1
Door sensor input	1	1	1	1	1
Release button	1	1	1	1	1
Lock output	1	1	1	1	1
Communication	-	RS-485	TCP / IP	RS-485	TCP / IP
Communication distance	-	1200 m	Without limitation	1200 m	Without limitation
Web	-	-	+	-	+
Power	DC 12 V / 80 mA	DC 12 V / 80 mA	DC 12 V / 80 mA	DC 12 V / 80 mA	DC 12 V / 180 mA
Dimensions	120x45x20 mm	75x52x12 mm	75x52x12 mm	135x122x22 mm	135x122x22 mm
Weight	150 g	150 g	150 g	130 g	130 g
IP rating	IP66	IP66	IP66	IP44	IP44
Data protection if no power supply	10 years	10 years	10 years	10 years	10 years
Operating temperature	- 30 °C ~ + 50 °C	- 30 °C ~ + 50 °C	- 30 °C ~ + 50 °C	- 20 °C ~ + 50 °C	- 20 °C ~ + 50 °C

**ACCESS  
CONTROLLERS**

	<b>2 doors</b>			
	PAC-21.RS	PAC-21.NET	PAC-22.RS	PAC-22.NET
				
User	30000	30000	30000	30000
Event	60000	60000	60000	60000
Card reader	2	2	4	4
Card reader protocol	Wiegand 26 / Wiegand 34	Wiegand 26 / Wiegand 34	Wiegand 26 / Wiegand 34	Wiegand 26 / Wiegand 34
Alarm inputs / outputs	0/0	0/0	1/1	1/1
Fire alarm inputs/outputs	1/1	1/1	1/1	1/1
Door sensor input	2	2	2	2
Release button	2	2	2	2
Lock output	2	2	2	2
Communication	RS-485	TCP / IP	RS-485	TCP / IP
Communication distance	1200 m	Without limitation	1200 m	Without limitation
Web	-	+	-	+
Power	DC 12 V / 80 mA	DC 12 V / 180 mA	DC 12 V / 80 mA	DC 12 V / 180 mA
Dimensions	135x122x22 mm	135x122x22 mm	215x130x22 mm	215x130x22 mm
Weight	180 g	180 g	180 g	180 g
IP rating	IP44	IP44	IP44	IP44
Data protection if no power supply	10 years	10 years	10 years	10 years
Operating temperature	- 20 °C ~ + 50 °C	- 20 °C ~ + 50 °C	- 20 °C ~ + 50 °C	- 20 °C ~ + 50 °C

**ACCESS  
CONTROLLERS**

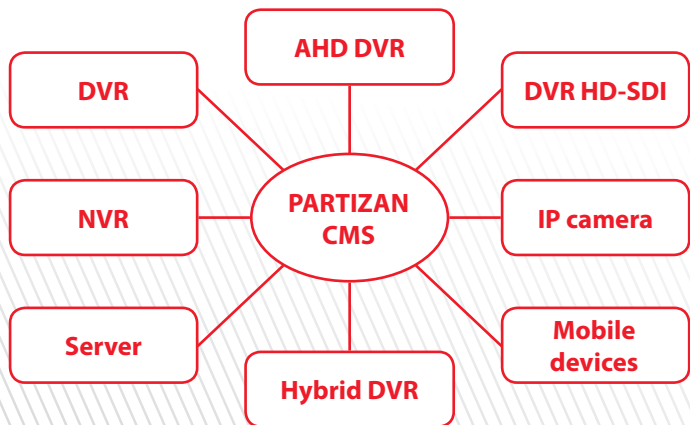
	<b>4 doors</b>		<b>Elevator control</b>
	PAC-41.NET	PAC-42.NET	PAC-EI32.NET
			
User	30000	30000	120000
Event	60000	60000	200000
Card reader	4	8	1
Card reader protocol	Wiegand 26 / Wiegand 34	Wiegand 26 / Wiegand 34	Wiegand 26 / Wiegand 34
Alarm inputs / outputs	1/1	1/1	1/1
Fire alarm inputs/ outputs	1/1	1/1	1/1
Door sensor input	4	4	1
Release button	4	4	1
Lock output	4	4	1
Communication	TCP / IP	TCP / IP	TCP / IP
Communication distance	Without limitation	Without limitation	Without limitation
Web	+	+	+
Power	DC 12V / 180 mA	DC 12V / 180 mA	DC 12V / 180 mA
Dimensions	215x130x22 mm	215x130x22 mm	218x136x22 mm
Weight	240 g	240 g	450 g
IP rating	IP44	IP44	IP44
Data protection if no power supply	10 years	10 years	10 years
Operating temperature	- 20 °C ~ + 50 °C	- 20 °C ~ + 50 °C	- 20 °C ~ + 50 °C

## SOFT

Together with our equipment we provide you a **free professional software!**

**Partizan CMS** – all-in-one software for remote access and monitoring.

- Remote real-time monitoring;
- Remote setup and configuration;
- Remote viewing of recorded video;
- You can check the unlimited quantity of objects and recorders from just only one monitoring point.



**Partizan ACM** – professional software for the smart access control and event analytics.

- Unlimited number of connected controllers;
- Photo-identification module;
- Time and Attendance module;
- Full control of a whole system via software;
- Up to 16 time zones;
- Flexible and multi-level access rights;
- Powered by Microsoft SQL Server / Microsoft Access;
- Unlimited number of remote workstations can be connected to the software;
- You can use a visual map of your territory to feel more control with events going on there.



## PARTIZAN NOIP SERVICE

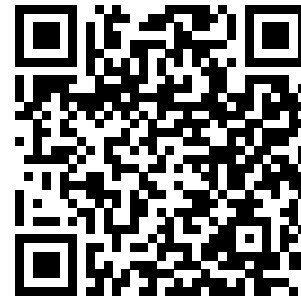
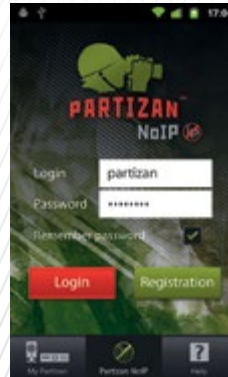


Minimum settings - maximum options! Remote access to your equipment from anywhere in the world!

**Partizan NoIP Service** enables obtaining remote access to DVRs or IP cameras using the Internet. This service is absolutely **free** and is a great alternative to using static IP address or a paid DDNS service.

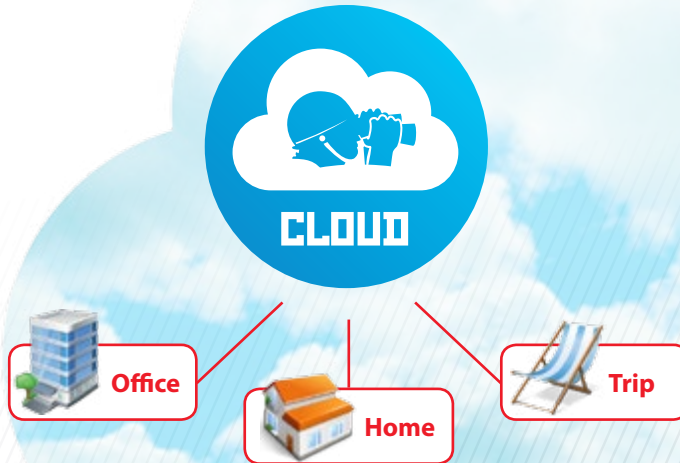
There is no need for any additional settings. It's very simple, just turn on your Partizan device! Everything else will be performed by NoIP technology for you (automatic configuration of routing and port forwarding).

In order to get access to your device, use our service at <http://noip.partizan-cctv.com> or mobile application "Partizan NoIP" (for iOS and Android).



## PARTIZAN CLOUD

**Partizan Cloud** – is a unique cloud recorder from the manufacturer! This service eliminates the need for a classic DVR and enables transferring all your video archive to a secure Partizan Cloud system.



Free connection and view of an unlimited number of cameras!

Special paid packages for video recording and storage.

You pay only for what you really need! No need to pay for unused video channels or worry that someone will steal or damage your DVR.

With a new cloud service your system is confidential and secure at 100%!

You can enable paid video mode only for a certain period, for example, on vacation or a long business trip.

Moreover, due to our special packages for webcasts, you can arrange a multi-user video broadcast directly on your website! With Partizan Cloud and just one Partizan camera, you can simultaneously share live video with hundreds of your clients and virtual guests.

# PARTIZAN CLOUD

Just three easy steps to arrange a secure remote video storage with Partizan Cloud!

**Step 1. Buy any Partizan digital camera or recorder.**

**Step 2. Register in the system.**

**Step 3. Select an appropriate tariff plan.**

**That's all. Your video surveillance system is ready! Want to try?**

Visit our website: <http://cloud.partizan-cctv.com>



## HOW TO CHOOSE THE FOCAL LENGTH?

FOCAL LENGTH (1/3" IMAGE SENSOR)	VERTICAL VIEWING ANGLE	HORIZONTAL VIEWING ANGLE
2,5 mm	72 °	88 °
2,8 mm	65 °	82 °
2,9 mm	63 °	80 °
3 mm	62 °	77 °
3,5 mm	55 °	69 °
3,6 mm	53 °	67 °
4,5 mm	44 °	56 °
5 mm	40 °	51 °
6 mm	33 °	43 °
8 mm	25 °	34 °
10 mm	20 °	27 °
12 mm	17 °	22,6 °
15 mm	13,7 °	18,2 °
16 mm	12 °	17,1 °
22 mm	9,4 °	12,5 °
50 mm	4,12 °	5,5 °



CMS



IOS



ANDROID



MAC



CLOUD



NoIP

All models of Partizan equipment for video surveillance systems supports Partizan CMS software and mobile platforms.

All Partizan equipment has warranty of 24 months.



## DISK SPACE REQUIREMENTS CALCULATOR FOR ANALOG VIDEO RECORDERS (1 CAMERA)

	CIF 25 fps	Half D1 25 fps	D1 25 fps	960H 25 fps
1 hour of continuous recording	0,2 Gb	0,41 Gb	0,85 Gb	1 Gb
24 hours of continuous recording	4,83 Gb	10 Gb	20 Gb	24 Gb
240 hours of continuous recording (10 days)	48,3 Gb	100 Gb	200 Gb	240 Gb
720 hours of continuous recording (30 days)	144,9 Gb	300 Gb	600 Gb	720 Gb

## DISK SPACE REQUIREMENTS CALCULATOR FOR HD VIDEO RECORDERS (1 CAMERA)

	D1 30 fps	720p 30 fps
1 hour of continuous recording	0,85 Gb	1,5 Gb
24 hours of continuous recording	20 Gb	35 Gb
240 hours of continuous recording (10 days)	200 Gb	350 Gb
720 hours of continuous recording (30 days)	600 Gb	1040 Gb

## DISK SPACE REQUIREMENTS CALCULATOR FOR IP VIDEO RECORDERS (1 CAMERA)

	D1 25 fps	720p 25 fps	960p 25 fps	1080p 25 fps
1 hour of continuous recording	0,85 Gb	1,41 Gb	1,91 Gb	3,33 Gb
24 hours of continuous recording	20 Gb	34 Gb	46 Gb	80,00 Gb
240 hours of continuous recording (10 days)	200 Gb	340 Gb	460 Gb	800,00 Gb
720 hours of continuous recording (30 days)	600 Gb	1000 Gb	1400 Gb	2400,00 Gb

## RESOLUTION OF ANALOGUE VIDEO

CIF	360x288
Half D1	720x288
D1	720x576

## RESOLUTION OF DIGITAL VIDEO

720p	1280x720
960p	1280x960
1080p	1920x1080

\*Data obtained by calculation using tables, have an indicative value. Actual occupancy of the hard disk during operation depends on the specific conditions and is determined experimentally.