# **NoVus**

## **Bullet IP Camera with Motor**zoom Lens

NVIP-5H-4502M/F





#### FUNCTIONS





















#### COMPLIANCE



#### **KEY FEATURES**

- •Resolution: 5 MPX
- Lens: motorized, auto-focus function, f=2.7
   ~ 13.5 mm/F1.8
- •support for Chrome, Firefox, Opera, Safari browsers
- •D/N function IR cut filter
- •Video content analysis based on Deep
- Learning
  •Licence plate recognition (LPR)
  •microSD card support
- •WDR with double scan sensor
- •two-way audio •Min. Illumination: 0.03 lx (0 lx, IR on)
- •IR LED, range up to 45 m •"Two way power" when connected to a PoE
- switch, it allows to power the low power receiver from the camera's power socket

### DIMENSIONS

The camera is dedicated to work with NOVUS 4000 series recorders. Detailed data can be found in the compatibility table available in the DOWNLOADABLE FILES tab.

March   Carlot   Pauls   March   March   Carlot   Pauls   March	Image	
Marcher Office Park	Image	5.10V.0100
Bill Internation	-	
Miller   M	Number of Effective Pixels	
Signature (1950)   1950   19		0 lx (IR on) - B/W mode
Wide Dyman Energy Willing Misson Backer (12088)         yes (selection Care (12088)           Deeling Intention (1-1084)         yes           Election of Integritiser (Audition)         yes           Reduction of Integritiser (Audition)         yes           Election of Integritiser (Audition)         motivate (1-2,7 -13.5 mm²) 2.8           Loss Type         motivate (1-2,7 -13.5 mm²) 2.8           Montrous         motivate (1-2,7 -13.5 mm²) 2.8           DOI         Control         for 1 = 2.7 mm² 10.54m 0.2.24m, 8.11m, 9.54m           Spring Type         motivate (1-2,7 -13.5 mm²) 2.8           Seatching Type         mechanical fix of effert           Seatching Mark         mechanical fix of effert <td>Electronic Shutter</td> <td>auto/manual: 1/5 s ~ 1/20000 s</td>	Electronic Shutter	auto/manual: 1/5 s ~ 1/20000 s
Op/Ear Montanin (FORO)         20, 30           File Spiretion FORO)         yes           Highlight Compression FORO         yes           Kether Committed (Martineties)         yes           Lots Type         moderated, 19-27 – 12.5 mm/PLB           Authors One         point region, manual torger           DOI         Total Type           DOI Detection, Observation, Recognition, Reconflication         for f = 2 mm - 0.5 km, 0.2 24 mm, 12 km, 1.5 km           DOI Detection, Observation, Recognition, Recognition, Recognition, Recognition, Recognition, Recognition, Recognition, Recognition (Martineties)         mechanical Record for file 1.3 mm - D. 25 km, 0.2 24 mm, 12 km, 12 km           Doy, Walk         Total Type         mechanical Record for file 1.3 mm - D. 25 km, 0.2 24 mm, 12 km, 12 km, 12 km           Schools (Martineties)         mechanical Record for file 1.3 mm - D. 25 km, 0.2 24 mm, 12 km, 12 k	Digital Slow Shutter (DSS)	up to 1/5 s
Page	Wide Dynamic Range (WDR)	yes (double scan sensor), 120dB
Marging frame   Marging fram	Digital Noise Reduction (DNR)	2D, 3D
Recent or Image in American (American)         yes           Cise         Comment of Management (American)         Comment (American)           Child Form         Comment (American)         Comment (American)           Child Form         Child Form         Child Form           Child Form         Child Form         Child Form         Child Form           Child Form         Child Form         Child Form         Child Form         Child Form           Child Form	Defog Function (F-DNR)	yes
The Control	Highlight Compensation (HLC)	yes
Interface   Inte	Reduction of image flicker (Antiflicker)	yes
Auto-	Lens	
DOIS     Description, Secontion, Secontination   Secontinati	Lens Type	motorized, f=2.7 ~ 13.5 mm/F1.8
Deplication   Depind   February   Depind   20 Jam.   1.14.   1.5.   1.14.	Auto-focus	zoom trigger, manual trigger
Section   Properties   Proper	DORI	
Section   Properties   Proper		for f = 2.7mm - D: 56m, O: 22.4m, R: 11m, I: 5.6m
Section places         mechanical Bill cell filter           Seatching Debity         1 – 36 s           Sintching Debity         2 – 36 s           Vicibility Sensor         yes           Vicibility Sensor         yes           Stram Readedin         292 x 1520,7992 x 1944, 2964 x 1296, 1920 x 1000 (full HD), 2048 x 1596 (KXCA), 1280 x 960, 1280 x 7000 (full MD).           Stram Readedin         270 1001, 960 x 460 (KAG), 230 x 360 (KYCA).           Frame Rate         30 1px for each reactualized           Multicreaming Mode         months           Wiscolated Compression         Max 10           Based India         40 Most in total           Based India         60 Most in total           Beautifued         1972 (F.P.P.M. HTTS; FTP, DUPC, DIS, DISS, NTP, RTS, RTP, UPPe, SMMP, SM		
Satching blodes         a.10, manual, time           Satching blogh         1.79, 8           Vicible Light Sensor         yes           Netherous         2592 x 1500, 7592 x 1544, 2304 x 1206, 1300 x 1000 (Vol.)           Srama Resolution         2592 x 1500, 7592 x 1544, 2304 x 1206, 1200 x 1000 (Vol.)           Frame Rate         30 50 for each resolution           Mulciperaming Mode         marbor of streams           Similar Sections         1.824, R 1244, H 1255, R 1254-G 711           Number of Similaraeous Connections         max. 1.0           Bacteristics         60 Mays in total           Metawork Paticolis Support         1177, PT.Ph. PhM. HTTRS, FTP. DHCP, DNC, DOIS, NIY, R 159, RTP, UPA, SMMP, SMM		
Selection policy		
Visible Light Sessor         yes           Method Net           Stream Resolution         2878 (1352) 2597 (1344, 2344, 1346, 1396) (1900) (101 HD), 2048 x 1356 (0XGA), 1280 x 960, 1280 x 760 (1046) (104		
Stream Resolution		
\$2507.1300.2392.1394.2394.1396.1396.1096.1096 (rul HO), 2048 x 1356 (QXGA), 1280 x 960, 1280 x 750, 1280 x 1480		yes
Section (Procession	Network	
Ndistandanding Mode NdeenAudio Compression NdeenAudio Support Compatible Software NdeenAudio Compression NdeenAudio Support NdeenAudio Software NdeenAudi	Stream Resolution	2592 x 1520, 2592 x 1944, 2304 x 1296, 1920 x 1080 (Full HD), 2048 x 1536 (QXGA), 1280 x 960, 1280 x 720 (HD), 640 x 480 (VGA), 320 x 240 (QVGA)
Viseofunds Compression         M26, 1264+, 1265, 1265+(3.71)           Number of Simulaneous Connections         max 10           Boardwidth         60 Mas in total           Network Protocols Support         HTTP, TCPIP, IPM, PMTRS, FTP, DHCP, DMS, DMS, DMS, NTP, RTSP, RTP, UPP, SMMP, SMTP, PZP, HTMLS           Camera Configuration         Internet Explosite, Furdiew, Chrome, Opera, Safari forouses           Incompatible Software         NOVES MANAGEMENT SYSTEM NS, DNUS MANAGEMENT SYSTEM AC           Mobile applications         **Camiflew (Phone, Androil)           Video Analytics         **Camiflew (Phone, Androil)           **Circlions	Frame Rate	30 fps for each resolution
Number of Simulaneous Connections  Annahor Simulaneous Connections  Annahor Simulaneous Connections  Network Protocols Support  Annahor Configuration  Compact Disconfiguration  Compact Disconfiguratio	Multistreaming Mode	number of streams: 3
Bedwich hetwork Protocols Support  Arroward Configuration  Compatible Software  Another Software  Anot	Video/Audio Compression	H.264, H.264+, H.265, H.265+/G.711
Network Protocols Support Camera Configuration Camera Configuration Compatible Software Compatible Softwar	Number of Simultaneous Connections	max. 10
Camera Configuration         Interiner Engioner, Fision, Corome, Opera, Safrait prosers languagues: Pichik, Figilish, Russian, and others           Compatible Software         NOVAS MANAGEMENT SYSTEM VS, NOVUS MANAGEMENT SYSTEM AC.           Mobile applications         ReCamPrice (Phone, Android)           Vision Analytic         Analytic (Phone, Android)           Unicons         Bandoned Object, Object disapperance, line cross, zone entrance, zone exit zone violation, multi bilater, predestrian detection, cross counting faces, intrusion detection, objects distinguishing, face recognition, vehicle detection, companing faces, intrusion detection, small motion detection with objects distinguishing, face recognition, vehicle detection, companing faces, intrusion detection, small motion detection with objects distinguishing, face recognition, vehicle detection, companing faces, intrusion detection, small motion detection with objects distinguishing, face recognition, vehicle detection, companing faces, intrusion detection, small motion detection with objects distinguishing, face recognition, vehicle detection, companing faces, intrusion detection, small motion detection with objects distinguishing, face recognition (Processor)           Wiscons Control         4 video mask type: single color           Michael Detection         yes           Major Detection         yes           System Reaction to Alarm Events         yes<	Bandwidth	60 Mb/s in total
Laneman Cambrian Book International Languages: Polinia, English, E	Network Protocols Support	HTTP, TCP/IP, IPv4, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, SMTP, P2P, HTML5
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Notice applications  Notice Analytics  Functions  Abandored object, object disappearance, line cross, zone entrance, zone evit, zone violation, multi lotter, predestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, whell redestrion, cross counting, heat map, queue length detection, objects distinguishing, face recognition, which eledection, comparing faces, intrusion detection, smart motion detection who beject disappearance, line cross, zone entrance, zone evit, zone evit, zone voilation, multi lotter, predestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, verile detection, comparing faces, intrusion detection, smart motion detection who please the county of		
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Functions should be should	Mobile applications	
Functions         geodestrian detection, cross counting, heat map, queue length detection, object sistinguishing, face distinguishing (singuishing) designishing (singuishing).           Cher functions           Privacy Zones         4 video mask type: single color           Audio Detection         9es           Audio Detection         100 Image rotation, vertical flip, horizontal flip           Privacy Zones         100 Image rotation, vertical flip, horizontal flip           Preadam/Postalar         up to 5 slyb to 30 s           System Reaction to Alarm Events         e-mail with attachment, saving flie on FTP server, saving flie on SD card, alarm output activation, saving flie on ED card, sav		RXCamview (iPhone, Android)
Privacy Zones 4 video mask type: single color  Motion Detection 9es Audio Provincia Ilip, horizontal Ilip Audio Prevents 9es Audio Prevents 9es Audio Prevents 9es Audio Prevents 9es Audio Industria Staffand 9es Audio Prevents 9es Audio Industria Staffand 9es Audio Prevents		
Motion Detection         yes           Audio Detection         yes           Audio Detection         180° image Protation, vertical flip, horizontal flip           Image Processing         up to 5 s/up to 30 s           System Reaction to Alarm Events         e-mail with atchiment, saving flie on FTP server, saving flie on SD Card, alarm output activation, saving in the cloud storage           Restroing default settings         the view of the saving reset button           Every Every State Details on FTP server, saving flie on SD Card, alarm output activation, saving in the cloud storage           Restroing default settings         the view of the state Details of the Every Provided Interview of the Court of State Provided Interview of the Court of State Provided Interview of the Every Park of the European Union           Appared yelf Clease Plate Details State         pse- vercognition function implemented in the camera           Appared yelf Clease Plate Details State         pse- vertice in the European Union           Barrier control         pse- subtries of the European Union           Bacteriors for the Licence plate recognition         the "white list" or "black list"           Reactions for the Licence plate recognition         4           Restrate Plate Province Plate recognition         4           Restrate Plate Plate Province Plate P	Video Analytics	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects
Audio Detection yes Image Processing 180 'mage rotation, vertical flip, horizontal flip Prealarm/Postalarm up to 5 s/up to 30 s System Reaction to Alarm Events characteristics and the cloud storage Sestoring default settings characteristics and solve processing flie on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage Sestoring default settings  Execute plate recognition (LPR)  Licence plate recognition (LPR)  Autonomous operation mode yes - recognition function implemented in the camera Capacity of License Plate Database up to 10000 license plates, on all lists. Types of recognized number plates all countries of the European Union Exercised in the camera base actions for the licence plate recognition Exercised in the camera base recognition date/time, number of recognised licence plate, image of recognised licence plate, researce on the "white list" or "black list" EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation  EXERCISE UNION CONTRIBUTION OF The Server, alarm output activation, saving file on TTP Server, alarm output activation, saving file on TTP Server, alarm output activation, savi	Video Analytics Functions	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects
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the cloud storage feed and settings  Restoring default settings  Autonomous operation mode  Autonomous operation mode  Autonomous operation mode  Apactly of License Plate Database  Appear recognition function implemented in the camera  Appear of recognized number plates  Appear of recognized number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"  Appear of recognized number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"  Appear of the Licence plate recognition  Appear of Place (list)  Appear of Place (	Video Analytics Functions Other functions Privacy Zones Motion Detection Audio Detection	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes
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Autonomous operation mode  Apacrity of License Plate Database  Aprice of recognized number plates  Aprice of recognized number plates  Aprice of recognized number plates  Aparrice notrol  Apacrity of License Plate Database  Apacrice of recognized number plates  Apacrice of recognized number plates  Apacrice of recognized number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number plates (apacrice plate recognition)  Apacrice of recognized number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence o	Video Analytics Functions Other functions Privacy Zones Motion Detection Audio Detection Image Processing Prealarm/Postalarm	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes 180° image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in
Autonomous operation mode  Apacrity of License Plate Database  Aprice of recognized number plates  Aprice of recognized number plates  Aprice of recognized number plates  Aparrice notrol  Apacrity of License Plate Database  Apacrice of recognized number plates  Apacrice of recognized number plates  Apacrice of recognized number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number plates (apacrice plate recognition)  Apacrice of recognized number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence on the "white list" or "black list"  Apacrice of recognized number of recognised licence plate, presence o	Video Analytics Functions Other functions Privacy Zones Motion Detection Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events	abandoned object, object disappearance, line cross, zone entrance, zone evil, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes 180° image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage
Capacity of License Plate Database     up to 10000 license plates, on all lists.       Types of recognized number plates     all countries of the European Union       Barrier control     yes - built-in relay output       Data recorded in the camera base     recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"       Reactions for the licence plate recognition     a With attachment, saving file on FTP server, alarm output activation       IR LED     45 m       LED Number     45 m       Range     45 m       Smart IR     45 m       Interfaces     1 x RCA/1 x RCA       Aldio Input/Output     1 x RCA/1 x RCA       Alarm Input/Output     1 x RCA/1 x RCA       Network Interface     1 x RCA/1 x RCA       Network In	Video Analytics  Functions  Other functions  Privacy Zones Motion Detection Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events Restoring default settings	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color  yes  yes  180° image rotation, vertical flip, horizontal flip  up to 5 s/up to 30 s  e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage
Tyes of recognized number plates Barriec rotorol Barriec rotor	Video Analytics  Functions  Other functions  Privacy Zones Motion Detection Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events Restoring default settings  Licence plate recognition (LPR)	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes 180 'image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage
Barrier control         yes - built-in relay output           Data recorded in the camera base         recorded in the camera base (incence plate recognised licence plate, image of recognised licence plate, presence and revisible list" or black list"           Reactions for the licence plate recognition         e-mail with attachment, saving file on FTP server, alarm output activation           IR LED         Image: Plate of the properties of the	Video Analytics  Functions  Other functions  Privacy Zones  Motion Detection Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events  Restoring default settings  Licence plate recognition (LPR)  Autonomous operation mode	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone evidation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color  yes  yes  180° image rotation, vertical flip, horizontal flip  up to 5 s/up to 30 s  e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage via web browser, using reset button
Execution in the camera base  Reactions for the licence plate recognition  Reactions for the licence plate recognition  Reactions for the licence plate recognition  REACTION  R	Video Analytics  Functions  Other functions  Privacy Zones  Motion Detection  Audio Detection  Image Processing  Prealarm/Postalarm  System Reaction to Alarm Events  Restoring default settings  Licence plate recognition (LPR)  Autonomous operation mode  Capacity of License Plate Database	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color  yes  yes  180° image rotation, vertical flip, horizontal flip  up to 5 s/up to 30 s  e-mal with statchment, saving flie on FTP server, saving flie on SD card, alarm output activation, saving in the cloud storage  via web browser, using reset button  yes - recognition function implemented in the camera  up to 10000 license plates, on all lists.
Reactions for the licence plate recognition         e-mail with attachment, saving file on FTP server, alarm output activation           IR LED           LED Number         4           Range         5m           Smart R         9cs (hardware support)           Interfaces           Judio Input/Output         1 x RCA/1 x RCA           Alarm Input/Output         1 (NO/KO)/I relay type (max. 12VDC/300mA)           Network Interface         1 x Ethernet - R)-45 interface, 10/100 Mbits           Memory Card Sit         microSD - capacity up to 256GB           Installation parameters         With bracket: 87 (W) x 83 (H) x 242 (L)	Video Analytics  Functions  Other functions  Privacy Zones Motion Detection Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events Restoring default settings  Licence plate recognition (LPR)  Autonomous operation mode Capacity of License Plate Database Types of recognized number plates	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes 180° image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage via web browser, using reset button  yes - recognition function implemented in the camera up to 10000 license plates, on all lists. all countries of the European Union
IR ED Number         4           Range         45 m           Smart IR         be (shardware support)           INTERTAGE           Judici Input/Output         1 x RCA/1 x RCA           Alam Input/Output         1 x RCA/1 x RCA           Network Interface         1 x Etheret - Rj.45 interface, 1/100 Mbit/s           Memory Card Sit         microSD - capacity up to 256GB           Installation parameters         With bracket: 87 (W) x 83 (H) x 242 (L)	Video Analytics  Functions  Other functions  Privacy Zones Motion Detection Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events Restoring default settings  Licence plate recognition (LPR) Autonomous operation mode Capacity of License Plate Database Types of recognized number plates Barrier control	abandoned object, object disappearance, line cross, zone entrance, zone evil, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color  yes  yes  180° image rotation, vertical flip, horizontal flip  up to 5 s/up to 30 s  e-mail with attachment, saving flie on FTP server, saving flie on SD card, alarm output activation, saving in the cloud storage  via web browser, using reset button  yes - recognition function implemented in the camera  up to 10000 license plates, on all lists.  all countries of the European Union  yes - built-in relay output  recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on
LED Number         4           Range         45 mm           Smart IR         yes (hardware support)           Interfaces         Tkerfacy           Audio Input/Output         1 x RCA/1 x RCA           Alarm Input/Output         1 x RCA/1 x RCA           Network Interface         1 x Rthernet - RJ-45 interface, 10/100 Mbit/s           Memory Card Siot         microSD - capacity up to 2566B           Installation parameters         bith bracket: 87 (W) x 83 (H) x 242 (L)	Video Analytics  Functions  Other functions  Privacy Zones Motion Detection Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events Restoring default settings  Licence plate recognition (LPR) Autonomous operation mode Capacity of License Plate Database Types of recognized number plates Barrier control  Data recorded in the camera base	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes 180° image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage via web browser, using reset button  yes - recognition function implemented in the camera up to 10000 license plates, on all lists. all countries of the European Union yes - built-in relay output recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"
Range         45 m           Smart IR         yes (hardware support)           Interfaces           Judio Input/Output         1 x RCA/1 x RCA           Alarm Input/Output         1 (NO/NC)/I relay type (max. 12VDC/300mA)           Network Interface         1 x Etherner - RJ-45 interface, 10/100 Mbit/s           Memory Card Sit         microS0 - capacity up to 256GB           Installation parameters         bit bracket: 87 (W) x 83 (H) x 242 (L)	Video Analytics  Functions  Other functions  Privacy Zones  Motion Detection  Audio Detection  Image Processing  Prealarm/Postalarm  System Reaction to Alarm Events  Restoring default settings  Licence plate recognition (LPR)  Autonomous operation mode  Capacity of License Plate Database  Types of recognized number plates  Barrier control  Data recorded in the camera base  Reactions for the licence plate recognition	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes 180° image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage via web browser, using reset button  yes - recognition function implemented in the camera up to 10000 license plates, on all lists. all countries of the European Union yes - built-in relay output recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"
Smart IR         yes (hardware support)           Interfaces         Interface (MI)           Audin Input/Output         1 x RCA/1 x RCA           Alarm Input/Output         1 (NO/NC)/I relay type (max. 12VDC/300mA)           Network Interface         1 x Ethernet - RJ-45 interface, 10/100 Mbit/s           Memory Card Sit         micro50 - capacity up to 256GB           Interfaces         With bracket: 87 (W) x 83 (H) x 242 (L)	Video Analytics  Functions  Other functions  Privacy Zones  Motion Detection  Audio Detection  Image Processing  Prealamn/Postalarm  System Reaction to Alarm Events  Restoring default settings  Licence plate recognition (LPR)  Autonomous operation mode  Capacity of License Plate Database  Types of recognized number plates  Barrier control  Data recorded in the camera base  Reactions for the licence plate recognition  IR LED	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing with objects distinguishing detection, smart motion detection with objects distinguishing very session of the constant of the consta
Interfaces           Audio Input/Output         1 x RCA/1 x RCA           Alarm Input/Output         1 (ND/NC/I relay type (max. 12VDC/300mA)           Network Interface         1 x Ethernet - R)-45 interface, 10/100 Mibits           Memory Card Sidt         microSD - capacity up to 256GB           Installation parameters         bits bracket: 87 (W) x 83 (H) x 242 (L)	Video Analytics  Functions  Other functions  Privacy Zones  Motion Detection  Audio Detection  Image Processing  Prealarm/Postalarm  System Reaction to Alarm Events  Restoring default settings  Licence plate recognition (LPR)  Autonomous operation mode  Capacity of License Plate Database  Types of recognized number plates  Barrier control  Data recorded in the camera base  Reactions for the licence plate recognition  IR LED  LED Number	abandoned object, object disappearance, line cross, zone entrance, zone evit, zone violation, multi lolter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color  yes  yes  180° image rotation, vertical flip, horizontal flip  up to 5 s/up to 30 s  e-mail with statchment, saving flie on FTP server, saving flie on SD card, alarm output activation, saving in the cloud storage  via web browser, using reset button  yes - recognition function implemented in the camera  up to 10000 license plates, on all lists.  all countries of the European Union  yes - built-in relay output  recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"  e-mail with attachment, saving flie on FTP server, alarm output activation
Audio Input/Output         1 x RCA/1 x RCA           Alarm Input/Output         1 (NO/INC)/1 relay type (max. 12VDC/300mA)           Network Interface         1 x Ethernet - RJ-45 interface, 10/100 Mbit/s           Memory Card Slot         increase           Installation parameters         installation parameters           Dimensions (mm)         with bracket: 87 (W) x 83 (H) x 242 (L)	Video Analytics  Functions  Other functions  Privacy Zones  Motion Detection  Audio Detection  Image Processing  Prealarm/Postalarm  System Reaction to Alarm Events  Restoring default settings  Licence plate recognition (LPR)  Autonomous operation mode  Capacity of License Plate Database  Types of recognized number plates  Barrier control  Data recorded in the camera base  Reactions for the licence plate recognition  IR LED  LED Number  Range	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi lolter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes 180° image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage via web browser, using reset button  yes - recognition function implemented in the camera up to 1,0000 license plates, on all lists. all countries of the European Union yes - built-in relay output recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server, alarm output activation
Alarm Input/Output         1 (NO/NC)/I relay type (max. 12VDC/300mA)           Network Interface         1 x Ethernet - Bj. 45 interface, 10/100 Mbit/s           Memory Card Slot         microSD - capacity up to 256GB           Installation parameters         bit bracket: 87 (W) x 83 (H) x 242 (L)	Video Analytics  Functions  Other functions  Privacy Zones Motion Detection Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events Restoring default settings  Licence plate recognition (LPR) Autonomous operation mode Capacity of License Plate Database Types of recognized number plates Barrier control Data recorded in the camera base Reactions for the licence plate recognition  IR LED  LED Number Range Smart IR	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone evilation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes 180° image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage via web browser, using reset button  yes - recognition function implemented in the camera up to 1,0000 license plates, on all lists. all countries of the European Union yes - built-in relay output recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server, alarm output activation
Network Interface         1 x Ethernet - RJ-45 interface, 10/100 Mbit/s           Memory Card Slot         microSD - capacity up to 25668           Installation parameters         University of the parameters of the	Video Analytics  Functions  Other functions  Privacy Zones  Motion Detection  Audio Detection  Audio Detection  Image Processing  Prealarm/Postalarm  System Reaction to Alarm Events  Restoring default settings  Licence plate recognition (LPR)  Autonomous operation mode  Capacity of License Plate Database  Types of recognized number plates  Barrier control  Data recorded in the camera base  Reactions for the licence plate recognition  IR LED  LED Number  Range  Smart IR  Interfaces	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi lolter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color  yes  yes  180° Image rotation, vertical flip, horizontal flip  up to 5 s/up to 30 s  e-mail with attachment, saving flie on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage via web browser, using reset button  yes - recognition function implemented in the camera  up to 10000 license plates, on all lists.  all countries of the European Union  yes - built-in-relay output  recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list"  e-mail with attachment, saving file on FTP server, alarm output activation  4  45 m  yes (hardware support)
Memory Card Slot         microSD - capacity up to 256GB           Installation parameters         Universions (mm)         with bracket: 87 (W) x 83 (H) x 242 (L)	Video Analytics  Functions  Other functions  Privacy Zones  Motion Detection  Audio Detection  Image Processing  Prealarm/Postalarm  System Reaction to Alarm Events  Restoring default settings  Licence plate recognition (LPR)  Autonomous operation mode  Capacity of License Plate Database  Types of recognized number plates  Barrier control  Data recorded in the camera base  Reactions for the licence plate recognition  IR LED  LED Number  Range  Smart IR  Interfaces  Audio Input/Output	abandoned object, object disappearance, line cross, zone entrance, zone evil; zone violation, multi lolter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing.  4 video mask type: single color yes yes 180° image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mal with statchment, saving flie on FTP server, saving flie on SD card, alarm output activation, saving in the cloud storage via web browser, using reset button  yes - recognition function implemented in the camera up to 10000 license plates, on all lists. all countries of the European Union yes - built-in relay output recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving flie on FTP server, alarm output activation
Installation parameters Dimensions (mm) with bracket: 87 (W) x 83 (H) x 242 (L)	Video Analytics  Functions  Other functions  Privacy Zones  Motion Detection  Audio Detection  Image Processing  Prealarm/Postalarm  System Reaction to Alarm Events  Restoring default settings  Licence plate recognition (LPR)  Autonomous operation mode  Capacity of License Plate Database  Types of recognized number plates  Barrier control  Data recorded in the camera base  Reactions for the licence plate recognition  III LED  LED Number  Range  Smart IR  Interfaces  Audio Input/Output  Alarm Input/Output	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes 180° image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage via web browser, using reset button  yes - recognition function implemented in the camera up to 10000 license plates, on all lists. all countries of the European Union yes - built-in relay output recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server, alarm output activation  4 45 m yes (hardware support)  1 x RCA/1 x RCA 1 (NO/NC)/1 relay type (max. 12VDC/300mA)
Dimensions (mm) with bracket: 87 (W) x 83 (H) x 242 (L)	Video Analytics  Functions  Other functions  Privacy Zones  Motion Detection  Audio Detection  Image Processing  Prealarm/Postalarm  System Reaction to Alarm Events  Restoring default settings  Licence plate recognition (LPR)  Autonomous operation mode  Capacity of License Plate Database  Types of recognized number plates  Barrier control  Data recorded in the camera base  Reactions for the licence plate recognition  III LED  LED Number  Range  Smart IR  Interfaces  Audio Input/Output  Alarm Input/Output	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes 180° image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage via web browser, using reset button  yes - recognition function implemented in the camera up to 10000 license plates, on all lists. all countries of the European Union yes - built-in relay output recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server, alarm output activation  4 45 m yes (hardware support)  1 x RCA/1 x RCA 1 (NO/NC)/1 relay type (max. 12VDC/300mA)
	Video Analytics  Functions  Other functions  Privacy Zones Motion Detection Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events Restoring default settings  Licence plate recognition (LPR) Autonomous operation mode Capacity of License Plate Database Types of recognized number plates Barrier control Data recorded in the camera base Reactions for the licence plate recognition  IR LED  LED Number Range Smart IR Interfaces Audio Input/Output Network Interface	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes 180' image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage via web browser, using reset button  yes - recognition function implemented in the camera up to 10000 license plates, on all lists. all countries of the European Union yes - built-in relay output recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server, alarm output activation  4 45 m yes (hardware support)  1 x RCA/1 x RCA 1 (NONC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - Rj-45 interface, 10/100 Mbit/s
	Video Analytics  Functions  Other functions  Privacy Zones  Motion Detection  Audio Detection  Image Processing  Prealarm/Postalarm  System Reaction to Alarm Events  Restoring default settings  Licence plate recognition (LPR)  Autonomous operation mode  Capacity of License Plate Database  Types of recognized number plates  Barrier control  Data recorded in the camera base  Reactions for the licence plate recognition  IR LED  LED Number  Range  Smart IR  Interfaces  Audio Input/Output  Alarm Input/Output  Network Interface  Memory Card Slot	abandoned object, object disappearance, line cross, zone entrance, zone exit, zone evilation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing  4 video mask type: single color yes yes 180' image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage via web browser, using reset button  yes - recognition function implemented in the camera up to 10000 license plates, on all lists. all countries of the European Union yes - built-in relay output recognition dateRime, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or "black list" e-mail with attachment, saving file on FTP server, alarm output activation  4 45 m yes (hardware support)  1 x RCA/1 x RCA 1 (NONC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
	Video Analytics  Functions  Other functions  Privacy Zones  Motion Detection  Audio Detection  Image Processing  Prealami/Postalarm  System Reaction to Alarm Events  Restoring default settings  Licence plate recognition (LPR)  Autonomous operation mode  Capacity of License Plate Database  Types of recognized number plates  Barrier control  Data recorded in the camera base  Reactions for the licence plate recognition  IR LED  LED Number  Range  Smart IR  Interfaces  Audio Input/Output  Alarm Input/Output  Alarm Input/Output  Network Interface  Memory Card Slot  Installation parameters	abandoned object, object disappearance, line cross, zone entrance, zone evid, zone violation, multi loiter, pedestrian detection, cross counting, heat map, queue length detection, objects distinguishing, face recognition, vehicle detection, comparing faces, intrusion detection, smart motion detection with objects distinguishing.  4 video mask type: single color yes yes 180* image rotation, vertical flip, horizontal flip up to 5 s/up to 30 s e.mal with attachment, saving file on FTP server, saving file on SD card, alarm output activation, saving in the cloud storage via web browser, using reset button  yes - recognition function implemented in the camera up to 10000 license plates, on all lists. all countries of the European Union yes - built-in relay output recognition date/time, number of recognised licence plate, image of recognised licence plate, presence on the "white list" or 'black list" e-mail with attachment, saving file on FTP server, alarm output activation  4 45 m yes (hardware support)  1 x RCA/1 x RCA 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 2566B



Degree of Protection	IP 66 (details in the user's manual)	
Enclosure	aluminium, white, fully cable managed wall mount bracket in-set included enclosure type: 4H-B	
Power Supply	12 VDC, PoE (IEEE 802.3af, Class 3)	
Surge protection	TVS 4000 V	
Power Consumption	2 W, 5 W (IR illuminator on)	
Operating Temperature	-30°C ~ 55°C	
Humidity	max. 95%, relative (non-condensing)	
A memory card is required for the face recognition and license plate recognition functions to work. The license plate recognition function is available for cameras with firmware V21.45.8.2.3 xxxxx		