



## 8 MPX IP camera with Deep Learning-based image analysis and active deterrence

NVIP-8H-4511/FWLAD



## **X** FUNCTIONS





























## **KEY FEATURES**

- •Resolution: 8 MPX (4K Ultra HD)
- •Lens: fixed focal, f=2.8 mm/F1.0 •active deterrence •D/N function IR cut filter

- •Video content analysis based on Deep Learning
  •microSD card support

- •two-way audio •Min. Illumination: 0.007 lx (0 lx, IR on)
- •IR LED, range up to 25 m
- •white LED illuminator, range up to 20 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.

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Open Standard (1955)         up 18 15 s           Open Standard (1950)         yes           Open Standard (1950)         yes           And Lyapin Compensation (ILC)         yes           One Standard (1950)         yes           Standard (1950)         yes           Standard (1950)         yes           United Standard (1950)         yes           Standard (1950)         yes           Objection of Objection (Observation (Observat	Min. Illumination		
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National Annual Profession ( 1948 A 1		x 1080 (Full HD), 1280 x 960, 1280 x 720 (HD), 640 x 480 (VGA), 320 x 240 (QVGA)	
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Compatible Software  Mobile applications  Mobile applications  Wideo Analytis  Finctions  Chief Functions  C			
Mode plagetations         Reconsiders (Phone, Android)           Visionality         An admonder object, object disappearance, line cross, zone violation, multi loiter, face detection, cross controlled in present plant detection, objects distinguishing, target courting by area           Other function         Vision pack types: single color           Miscon Detection         4 vision mask types: single color           Region of Interest (RO)         8           Audio Detection         100° mage rotation, vertical flip, hortental flip           Image Processing         100° mage rotation, vertical flip, hortental flip           Prealmostalarm         100° mage rotation, vertical flip, hortental flip           Prealmostalarm Events         200° mage with attachment, assays flie on FTP server, saving flie on D Card, saving in the cloud storage, public by a visib to 30° mage rotation, vertical flip, hortental flip           Reterment         a visible LEDS, Stackhing light, and and bise LEDS, Stackhing light, and an admit a LEDS, Stackhing light, and bise		languages: Polish, English, and others	
Victorian         Board of object of, object disappearane, line cross, one violation, multi lotter, face detection, cross           Other fuctions         Wide many quoue length detection, objects distinguishing, target counting by area           Privacy Zone         4 video mask type: single color           Mead to Detection         yes           Region of interest (RO)         yes           Land to Detection         yes           Image Processing         180° interest (RO)           Poslaum Pleastalm         190° shop to 30           Poslaum Pleastalm         9 so           System Reaction to Jahrm Events        mail with attachment, saving fleen of TP server, saving fleen SD Card, saving in the cloud storage, push           Poslaum Pleast (Interest (RO)        mail with attachment, saving fleen of TP server, saving fleen SD Card, saving in the cloud storage, push           Poslaum Pleast (Interest (RIC)        mail with attachment, saving fleen of TP server, saving fleen SD Card, saving in the cloud storage, push           Poslaum Pleast (Interest (RIC)        mail with attachment, saving fleen of TP server, saving fleen SD Card, saving in the cloud storage, push           Restorate        mail with attachment, saving fleen of TP server, saving fleen SD Card, saving in the cloud storage, push           Restorate			
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Chese functions  Privacy Zones Motion Detection Motion De	Video Analytics		
Privacy Zones         4 video mask types: single color           Motion Detection         yes           Agoin of Interest (ROI)         8           Audio Detection         180° mage relation, vertical flip, horizontal flig           Image Processing         180° mage relation, vertical flip, horizontal flig           Presiam/Postalar         up to Sup to 30           System Reaction to Alarm Events         up to Sup to 30 in age relation, vertical flip, horizontal flig           Persiam/Postalar         up to Sup to 30 in age relation, vertical flip, horizontal flig           Restriction to Alarm Events         audio signaling light, red and but Est. fliashing light, age aller (ustron vice message)           Restriction to Alarm Events         vise between functions           Restriction to Alarm Events         1           Restriction Lake Stating         yes between functions           Restriction Lake Stating         1           Restriction Lake Stating         25 m           Restriction Lake Stating         25 m           Shart Lake Stating         25 m	Functions		
Motion Detection         yes           Region of interest (RO)         48           Audio Detection         yes           Insep Processing         180° image rotation, vertical flip, horizontal flip           Peclaam/Postalarm         190 5 Supt Dation           System Reaction to Alam Events         190 5 Supt Dation           System Reaction to Alam Events         190 5 Supt Dation           Reaction plant and provided and support of the Alam Events         190 5 Supt Dation           Restoring default settings         and with attachment, saving file on FTP server, saving light on SD card, saving in the cloud storage, support           Restoring default settings         white Elbs steady/flashing light, red and blue Elbs, flashing light, and and support (surfam, built-in speaker (suston voice messages)           Restoring default settings         4 with Elbs steady/flashing light, red and blue Elbs, flashing light, and and support (surfam, built-in speaker (suston voice messages)           Restoring default settings         4 so howers, using reset button           Brown Franciscope (surfam, built-in speaker (suston voice messages)         3 so year (surfam, built-in speaker (suston voice messages)           Brown Franciscope (surfam, built-in speaker (suston voice messages)         3 so year (suston voice messages)           Brown Franciscope (suston belief)         3 so year (suston voice messages)           Brown Franciscope (suston belief)         3 so year	Other functions		
Region of interest (ROI)         8           Audio Decetición         yes           Inage Processing         100° image rotation, vertical flip, horizontal flip           Pealamm Postalarm         up to 5 sup to 30°           System Baction to Alarm Events         cell initial statchment, acubrig flie on FTS server, saving flie on SD card, saving in the cloud storage, push officiation, active deterrent functions           Determent         audio Spalling obrete (sirent), bull en speaker (casten worder messages)           Rectoring default settings         but browser, using reset button           Rectoring default settings         25           Range         25 m           Smart (B         25 m           Smart (B         25 m           Smart (B         20 m           Smart (B         20 m           Smart (B)         20 m           Smart (B) </td <td>Privacy Zones</td> <td>4 video mask type: single color</td>	Privacy Zones	4 video mask type: single color	
Audio Detection         yes           Image Processing         10m' image rotation, vertical flip, horizontal flip           Prealamm@Rotatham         up to 5 kup to 30 s           System Reaction to Alarm Events         camal with a Stachnemer, saving flee on TSP saving file on SD card, saving in the cloud storage, push           Determent         white LEDs, steady/flashing light, red and blue LEDs, flashing light, and of spalling overse (sirtin), bull in speaker (custom wice messages)           Restoring default settings         white LEDs, steady/flashing light, red and blue LEDs, flashing light, and of spalling overse (sirtin), bull in speaker (custom wice messages)           Restoring default settings         yes           Restorage         yes<	ALC: No. of	NO.	
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Bretaining         audio signaling device (siren), built-in speaker (custom voice messages)           Restoring default settings         value browser, using reset button           IR LED           LED Number         25           Range         25 mc           Smart IR         25 mc           Withe light liminator         Use of warver support)           LED Number         20 mc           Range         20 mc           Smart Light         20 mc           Metaple         20 mc           Memory Card Sict         30 mc <td>Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm</td> <td>8 yes <math display="block">180^{\circ}  \text{image rotation, vertical flip, horizontal flip}</math> up to 5 s/up to 30 s</td>	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm	8 yes $180^{\circ}  \text{image rotation, vertical flip, horizontal flip}$ up to 5 s/up to 30 s	
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IR LED           LED Number         1           Range         25m           Smart IR         yes (hardware support)           White Inflationator           LED Number         2, warm white color           Range         20 n           Range LOS Alle Color         yes (hardware support)           Tuestack         yes (hardware support)           Meter Los	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events	8 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, saving in the cloud storage, push notification, active determent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light,	
ED Number       1         Range       25 m         Stant R       bescharder support)         White light liminator       bescharder support)         ED Number       2, warn white color         Range       20 m         Smart Lg Range       20 m         Smart Lg Range       bescharder support)         Method Input/Output       bull-in microphone/speaker         Network Interface       1 x Ethemet - Rj. 45 interface, 10/100 Mbit/s         Memory Card Stot       bull-in microphone/speaker         Memory Card Stot       bull-in microphone/speaker         Distallation parameter       brown 1 years 1 years 2 y	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events Determent	8 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages)	
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Smart R         ges (andware support)           Withe Influentator           LED Number         2 om mitte color           Stage         20 m           Smart Light         yes fardware support)           Interface         West professees           Metwork Interface         1 x Ethernet - RJ-45 interface, 1/100 Mbit/s           Memory Card Roll         interface, 1/100 Mbit/s           Memory Card Roll         interface, 1/100 Mbit/s           Memory Land Roll         interface, 1/100 x 150 (L)           Roll         interface, 1/100 x 150 (L)           Roll         interface, 1/100 x 150 (L)           Roll         interface, 1/100	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED	8 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), bulit-in speaker (custom voice messages) via web browser, using reset button	
LED Number         2, warm white color           Range         20 n           Smart Light         yes (hardware support)           Interfaces         Tuterfaces           Audio Input/Output         bull-in microphone/speaker           Network Interface         1x Ethemet - RJ-45 interface, 10/100 Mbit/s           Memory Card Side         microp5 - capacity up to 256GB           Memory Card Side         with bracket: 71 (e) x 150 (L)           Messilation parameters         36 kg           Degree of Protection         196 (details in the user's manual)           Degree of Protection         3 duminium, white, fully cable managed wall mount bracket in-set included enclosure type: 4H-5           Power Supply         175 Apont Getter (EEE 802.af, Class 3)           Surge-protection         75 X Solv (R Illuminator on), 7 W (active deliger light Illuminator on), 8 W (active deliger light Illuminator on), 8 W (active deliger light Illuminator on), 8 W (active deliger ligh	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Determent Restoring default settings IR LED LED Number	8 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button	
Range         20 m           Smart Light         20 m           Interface         Feed manage apport           Audio Input/Output         billish microphone/speaker           Network Interface         1 x Ethemet - Ry-45 interface, 10/100 Mbit/s           Memory Card Side         microSP- capacity up to 256GB           Interface         With pracket: 71 (9) x 150 (1)           Diensing firm)         40 feed (ed alls in the users manual)           Degree of Protection         12 months, fully cable managed wall mount bracket in-set included           Power Supply         12 vov. ped (IEEE 802 saf), class 3;           Surge protection         7 x 5000 y           Supply         3 x 8 W R Illuminator on), 7 W (active leight illuminator on), 8 W (active leight illuminator on), 8 W (active leight illuminator on), 8 W (active leight illuminator on), 9 W (active leight illuminator on), 9 W (active leigh	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events  Determent Restoring default settings IR LED LED Number Range	8 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button	
Smart Light         yes (hardware support)           Interfaces           Audion Interface         Juli-Im incrophone/speaker           Retwork Interface         1x Ethermet - Rj-45 interface, 10100 Mbit/s           Memory Card Side         microSP capacity up to 256GB           Interfaces         Usbright of parameters           Dienesions (mm)         with bracket: 71 (e) x 150 (L)           Weight         0.56 kg           Degree of Protection         16 6 (details in the user's manual)           Enclosure         aluminium, white, fully cable managed wall mount bracket in-set included of surper protection           Sweer Supply         12 VDC, Poe (IEEE 802.34, Class 3)           Surge protection         VTS 4000Y           Surger protection         38 W (Ri Illuminator on), 7 (W climber legical illuminator on), 8 (W climber legical illuminator on), 8 (W climber legical illuminator on), 8 (W climber legical illuminator on), 9 (W climber legical illuminator on), 9 (W climber legical illuminator on), 9 (W climber le	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events  Determent Restoring default settings IR LED LED Number Range Smart IR	8 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button	
Interfaces           Audio Input/Output         bullt-in microphone/speaker           Network Interface         1 x Ethemet - Ry-45 interface, 10/100 Mbit/s           Memory Card Sol         incroSo- capacity up to 256GB           Interface         with bracket: 71 (Φ) x 150 (L)           Weight         0.5 kg           Degree of Protection         19 66 (details in the user's manual)           Enclosure         aluminium, white, fully cable managed wall mount bracket in-set included consure type: 4H-5           Sover Supply         1 x VDC, Poe (IEEE VO.) as, Class 3)           Surge protection         1 x VS 400V           Power Consumption         3 8 W IR Illuminator on), 3 W (Notive deterrence functions enabled)           Operating Temperature         35°C ~ 60°C	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events  Determent Restoring default settings IR LED LED Number Range Smart IR  White light illuminator	8  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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), bullt-in speaker (custom voice messages) via web browser, using reset button  1  25 m yes (hardware support)	
Audio Input/Output         built-in microphone/speaker           Network Interface         1 x Ethernet - RJ-45 interface, 1/100 Mbit/s           Memory Card Slot         microSD - capacity up to 256GB           Installation parameters         With bracket: 71 (Φ) x 150 (L)           Weight         0.36 kg           Degree of Protection         126 (detais in the user's manual)           Enclosure         aluminium, white, fully cable managed wall mount bracket in-set included classifier to source type: 4H-S           Power Supply         12 VDC, Pet (IEEE 80.3F, Class 3)           Surge-protection         TVS 4000 V           Power Consumption         2.8 W (R Illuminator on), 7 W (active deterrence functions enabled)           Operating Temperature         -35°C ~ 60°C	Region of interest (ROI) Audio Detection Image Processing Prealamm/Postalarm System Reaction to Alarm Events  Determent Restoring default settings IR LED LED Number Range Smart IR LED Number Range Smart IR	8 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support) 2, warm white color	
Network interface         1 x Ethemet- Rj-45 interface, 10100 Mality           Memory Card Side         microSP- capacity up to 256GB           More Side           Intersions (mm)           Weight         0.36 kg           Degree of Protection         1.96 (dealls in the user's manual)           Enclosure         aluminium, white, fully cable managed wall mount bracket in-set included enclosure type: 4H-S           Power Supply         1.70 C, pet (IEEE 802.af, Class 3)           Surge protection         70 × 400 V           Power Consumption         3.8 W (R Illuminator on), 7 W (active determon), 7 W (a	Region of interest (ROI) Audio Detection Image Processing Prealamm/Postalarm System Reaction to Alarm Events  Determent Restoring default settings IR LED LED Number Range Smart IR LED Number Range Smart IR	8 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support) 2, warm white color 20 m	
Memory Card Slot         incroSD - capacity up to 256GB           To Bloen Sion (mm)         with bracket. 71 (Φ) x 150 (L)           Weight         0.36 kg           Degree of Protection         18 66 (details in the user's manual)           Enclosure         aluminium, white, fully cable managed wall mount bracket in-set included colspan="2">co	Region of interest (ROI) Audio Detection Image Processing Prealam/Postalarm System Reaction to Alarm Events  Determent Restoring default settings IR LED LED Number Range Smart IR  White light illuminator LED Number Range Smart Light Range Smart Light	8 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support) 2, warm white color 20 m	
Installation parameters       Dimensions (mm)     with bracket: 71 (Φ) x 150 (L)       Weight     0.3 6 kg       Degree of Protection     pl 66 (details in the user's manual)       Enclosure     aluminium, white, fully cable managed wall mount bracket in-set included closure type: 4H-5       Over Supply     12 VDC, Poe (IEEE 802.34, Class 3)       Surge protection     VTS 4000 V       Power Consumption     3.8 W (R Illuminator on), 7 (worktive light: Illuminator o	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events  Determent Restoring default settings IR LED LED Number Range Smart IR White light illuminator  LED Number Range Smart LIG  White light illuminator  LED Number Range Audio Input/Output	8 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), bull-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support) 2, warm white color 20 m yes (hardware support) built-in microphone/speaker	
Dimensions (mm)     with bracket: 71 (Φ) x 150 (L)       Weight     0.5 kg       Degree of Protection     1P 66 (details in the user's manual)       Enclosure     adminitum, white, fully cable managed wall mount bracket in-set included closure type: 4H-S       Ower Supply     12 VDC, POE (IEEE 802.34, Class 3)       Surge protector     VTS 400V       Power Consumption     2.5 W UR Illuminator on), 7 W (active light: Illuminator on), 7 W (active deterrence functions enabled)       Operating Temperature     35°C + 60°C	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events  Determent Restoring default settings IR LED LED Number Range Smart IR White light illuminator LED Number Range Smart Light Interfaces Audio Input/Output Network Interface	ges 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support)  2, warm white color 20 m yes (hardware support)  built-in microphone/speaker 1 x Ethernet - Rj-45 interface, 10/100 Mbit/s	
Weight     0.36 kg       Degree Protection     1P6 (details in the user's manual)       Enclosure     aluminium, white, fully cable managed wall mount bracket in-set included closure type: 4H-S       Power Supply     12 VDC, Ped (IEEE 802.34, Class 3)       Surge protection     1V 5 400 VT       Power Consumption     2.8 W (R Illuminator on), 7 W (active delirence functions enabled)       Operating Temperature     35°C + 60°C	Region of interest (ROI) Audio Detection Image Processing Prealamm/Postalarm System Reaction to Alarm Events  Determent Restoring default settings IR LED LED Number Range Smart IR White light illuminator LED Number Range Smart Ught Interfaces Audio Input/Output Network Interface Memory Card Slot	ges 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support)  2, warm white color 20 m yes (hardware support)  built-in microphone/speaker 1 x Ethernet - Rj-45 interface, 10/100 Mbit/s	
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-S       Power Supply     12 VDC, Poet (IEEE 802.3af, Class 3)       Surge protection     VS 4000 V       Power Consumption     2.5 W (white light illuminator on), 3.8 W (R illuminator on), 7 W (catterence functions enabled)       Operating Temperature     3.5°C ~ 60°C	Region of interest (ROI) Audio Detection Image Processing Prealam/Postalarm System Reaction to Alarm Events  Determent Restoring default settings IR LED LED Number Range Smart IR White light illuminator LED Number Range Smart IR ILED Number Range Smart IR White Interfaces Audio Input/Output Network Interface Memory Card Slot Installation parameters	8 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), bullt-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support)  2, warm white color 20 m yes (hardware support)  built-in microphone/speaker 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB	
Enclosure  Power Supply  Surge protection  Power Consumption  Power Consumption  Power Consumption  Power Consumption  Power Consumption  A Surge Protection  Power Consumption  Power C	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events  Determent Restoring default settings IR LED LED Number Range Smart IR White light illuminator  LED Number Range Smart Ught Interfaces  Audio Input/Output Network Interface Memory Card Slot Installation parameters Dimensions (mm)	ges 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support) 2, warm white color 20 m yes (hardware support)  built-in microphone/speaker 1 x Ethermet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB  with bracket: 71 (Ø) x 150 (L)	
Encode         encoderset type: 4H-5           Power Supply         12 VDC, PoE (IEEE 80.2.3f, Class 3)           Surge protection         TVS 4000 V           Power Consumption         2.5 W. (R Illuminator on). 5.3 W (WRI Illuminator on). 7 W (active deterrence functions enabled)           Operating Temperature         -35°C ~ 60°C	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events  Determent  Restoring default settings IR LED  LED Number Range Smart IR  White light illuminator  LED Number Range Smart R  White light illuminator  LED Number Range Smart Sange Smart Light Interfaces Audio Input/Output Network Interface Memory Card Slot Installation parameters Dimensions (mm) Weight	ges 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support)  2, warm white color 20 m yes (hardware support)  built-in microphone/speaker 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB  with bracket: 71 (Φ) x 150 (L) 0.36 kg	
Surge protection     TVS 4000 V       Power Consumption     2.5 W (R Illuminator on), 5.3 W (white light Illuminator on), 7 W (active deterrence functions enabled)       Operating Temperature     3.5°C ~ 60°C	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events  Determent  Restoring default settings IR LED  LED Number Range Smart IR  White light illuminator  LED Number Range Smart RB  White light illuminator  LED Number Range Smart Sange Smart Light Interfaces Audio Input/Output Network Interface Memory Card Slot Installation parameters Dimensions (mm) Weight Degree of Protection	ges 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support)  2, warm white color 20 m yes (hardware support)  built-in microphone/speaker 1 x Ethernet - Ry-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB	
2.5 W, Power Consumption 3.8 W (IR Illuminator on), 5.3 W (white light illuminator on), 7.3 W (artive deterence functions enabled) Operating Temperature 3.5°C ~ 60°C	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events  Determent  Restoring default settings IR LED  LED Number Range Smart IR  White light illuminator  LED Number Range Smart RB  White light illuminator  LED Number Range Smart Sange Smart Light Interfaces Audio Input/Output Network Interface Memory Card Slot Installation parameters Dimensions (mm) Weight Degree of Protection	ges 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), bull-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support)  2, warm white color 20 m yes (hardware support)  built-in microphone/speaker 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB  with bracket: 71 (e) x 150 (L) 0.36 kg IP 66 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included	
Power Consumption         3.8 W (NR Illuminator on),           5.3 W (white light illuminator on),         7 W (active deterrence functions enabled)           Operating Temperature         -35°C ~ 60°C	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events  Determent Restoring default settings IR LED  LED Number Range Smart IR  White light illuminator  LED Number Range Smart Ight Interfaces Audio Input/Output Network Interface Memory Card Siot Installation parameters Dimensions (mm) Weight Degree of Protection Enclosure	ges 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, saving in the cloud storage, push notification, active deterent functions white LEDs, steadyflashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support)  2, warm white color 20 m yes (hardware support)  built-in microphone/speaker 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB  with bracket: 71 (©) x 150 (L) 0.36 kg IP 66 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included enciosure type: 4H-5	
S.3 W (white light illuminator on), 7 W (active deterrence functions enabled)  Operating Temperature  -35°C ~ 60°C	Region of interest (ROI) Audio Detection Image Processing Prealamm/Postalarm System Reaction to Alarm Events  Determent Restoring default settings IR LED LED Number Range Smart IR White light illuminator LED Number Range Smart Ught Interfaces Audio Input/Output Network Interface Memory Card Slot Installation parameters Dimensions (mm) Weight Degree of Protection Enclosure Power Supply	8 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), bullt-in speaker (custom voice messages) via web browser, using reset button  1 2.5 m yes (hardware support) 2. warm white color 2.0 m yes (hardware support) bullt-in microphone/speaker 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB with bracket 71 (Φ) x 150 (L) 0.36 kg 19 66 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included enclosure type; 4Hs 12 VDC, PoE (IEEE 80.2.3af, Class 3)	
Operating Temperature -35°C ~ 60°C	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events  Determent  Restoring default settings IR LED  LED Number Range Smart IR  White light illuminator  LED Number Range Smart Light Interfaces Audio Input/Output Network Interface Memory Card Slot Installation parameters  Dimensions (mm) Weight Degree of Protection Enclosure Power Supply Surge protection	yes  yes  yes  Jlao* 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, saving in the cloud storage, push notification, active deterrent functions  white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages)  via web browser, using reset button  1  25 m  yes (hardware support)  2, warm white color  20 m  yes (hardware support)  built-in microphone/speaker  1 x Ethernet - Rj-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB  with bracket: 71 (©) x 150 (L)  0.36 kg  IP 66 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included enciosure type: 4H-S  12 VDC, PoE (IEEE 802.3af, Class 3)  TVS 4000 V  2.5 W,	
	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm  System Reaction to Alarm Events  Determent  Restoring default settings IR LED  LED Number Range Smart IR  White light illuminator  LED Number Range Smart Light Interfaces Audio Input/Output Network Interface Memory Card Slot Installation parameters  Dimensions (mm) Weight Degree of Protection Enclosure Power Supply Surge protection	ges 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support)  2, warm white color 20 m yes (hardware support)  built-in microphone/speaker 1 x Ethernet - Rj-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB  with bracket: 71 (Φ) x 150 (L) 0.36 kg IP 66 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included enclosure type: 4H-5 12 VDC, PoE (IEEE 802 3af, Class 3) TVS 4000 V 2.5 W, 3.8 W (Ri illuminator on), 5.3 W (white light illuminator on),	
max 33 ay returne (non-contenting)	Region of interest (ROI) Audio Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events  Determent Restoring default settings IR LED LED Number Range Smart IR White light illuminator LED Number Range Smart UB Interfaces  Audio Input/Output Network Interface Memory Card Slot Installation parameters  Dimensions (mm) Weight Degree of Protection Enclosure Power Consumption	8 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), bullt-in speaker (custom voice messages) via web browser, using reset button  1 2. warm white color 20 m yes (hardware support)  built-in microphone/speaker 1 x Ethernet - Ry 45 interface, 10/100 Mbit/s microSD - capacity up to 256GB  with bracket: 71 (Ø) x 150 (L) 0.36 kg 1P 66 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included enclosure type: 4H-5 12 VDC, Pot (IEE 802.3af, Class 3) TVS 4000 V 2.5 W, 3.8 W (IR Illuminator on), 5.3 W (white light Illuminator on), 5.3 W (white light Illuminator on), 5.3 W (white light Illuminator on), 7 W (active deterence functions enabled)	
	Region of interest (ROI) Audio Detection Image Processing Prevalarm/Postalarm  System Reaction to Alarm Events  Determent  Restoring default settings IR LED  LED Number Range Smart IR  White light illuminator  LED Number Range Smart Light Interfaces Audio Input/Output Network Interface Memory Card Slot Installation parameters  Dimensions (mm) Weight Degree of Protection Enclosure Power Supply Surge protection  Power Consumption  Operating Temperature	ges 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, saving in the cloud storage, push notification, active deterrent functions white LEDs, steady/flashing light, red and blue LEDs, flashing light, audio signaling device (siren), built-in speaker (custom voice messages) via web browser, using reset button  1 25 m yes (hardware support)  2, warm white color 20 m yes (hardware support)  built-in microphone/speaker 1 x Ethernet - R)-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB  with bracket: 71 (9) x 150 (L) 0.36 kg IP 66 (detals in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included enclosure type: 4H-5 12 VDC, PGE (IEEE 802.3af, Class 3) TVS 4000 V 2.5 W, 3.8 W (IR illuminator on), 5.3 W (white light illuminator on), 7.9 W (active deternec functions enabled) -35°C - 60°C	