

# 2 MPX Bullet IP camera with white light and IR illuminators

Image

NVIP-2H-6232/WL-II

## 6000 VSS

### FUNCTIONS



COMPLIANCE



#### **KEY FEATURES**

•Resolution: 2 MPX •Lens: varifocal, f=2.8 ~ 12 mm/F1.4 •MicroSD card support •D/N function - IR cut filter •Video content analysis based on Deep Learning •microSD card support •WDR with double scan sensor •Min. Illumination from 0.006 lx (0 lx, IR on) •IR LED, range up to 50 m •white LED illuminator, range up to 40 m

#### DIMENSIONS





220 mm

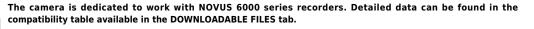


Image	
Image Sensor	2 MPX CMOS sensor 1/2.8" SmartSens
Number of Effective Pixels	1928 (H) x 1088 (V)
Min. Illumination	0.006 lx/F1.4 - color mode, 0 lx (IR on) - B/W mode
Electronic Shutter	auto/manual: 1/3 s ~ 1/100000 s
Digital Slow Shutter (DSS)	up to 1/3 s
Wide Dynamic Range (WDR)	yes (double scan sensor), 120dB
Digital Noise Reduction (DNR)	2D, 3D
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes
Lens	j wa
Lens Type	varifocal, f=2.8 ~ 12 mm/F1.4
DORI	
DORI (Detection, Observation, Recognition, Identification)	for f = 2.8mm - D: 43m, O: 17m, R: 9m, I: 4m for f = 12mm - D: 132m, O: 53m, R: 26m, I: 13m
Day/Night	
Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	2 ~ 6000 s
Switching Schedule	yes
Network	
Stream Resolution	1920 x 1080 (Full HD), 1280 x 720 (HD), 704 x 576, 640 x 480 (VGA), 352 x 288 (CIF), 480 x 240
Multistreaming Mode	number of streams: 3
Video/Audio Compression	H.264, H.264+, H.265, H.265+, MJPEG/G.711
Number of Simultaneous Connections	max. 4
Bandwidth	8 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.3 PPPoE, SMTP, RTCP, SSL/TLS, HTML5, RTMP
ONVIF Protocol Support	Profile G/S/T/M
Camera Configuration	from Internet Explorer, Edge, Firefox, Chrome, Opera, Safari browser languages: Polish, English, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000
	inGO 6 (iPhone Android)
Mobile applications	ipGO 6 (iPhone, Android)
Video Analytics	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color cas
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Video Analytics Functions Other functions	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color cas objects distinguishing, intrusion detection
Video Analytics Functions Other functions Privacy Zones	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color cas objects distinguishing, intrusion detection 4 video mask type: single color
Video Analytics Functions Other functions Privacy Zones Motion Detection Region of interest (ROI)	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color cas objects distinguishing, intrusion detection 4 video mask type: single color yes 8
Video Analytics Functions Other functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color cas objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip
Video Analytics Functions Other functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm	tamper: abandoned object, object disappearance, line cross, scene change, video blurred, video color cas objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical filp, horizontal filp up to 6 s/up to 120 s
Video Analytics Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prealamr/Postalarm System Reaction to Alarm Events	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color ca objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card
Video Analytics Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Prevalarm/Postalarm System Reaction to Alarm Events Restoring default settings	tamper abandoned object, objact disappearance, line cross, scene change, video blurred, video color cat objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s
Video Analytics Functions Other functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color cas objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card via web browser, using reset button, via NMS IPTool software
Video Analytics Functions Other functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Reatoring default settings <b>IR LED</b> LED Number	tamper abandoned object, object disappearance, line cross, scene change, video blurred, video color cat objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card via web browser, using reset button, via NMS IPTool software
Video Analytics Functions Other functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Reastoring default settings IR LED LED Number Range	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color ca objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card via web browser, using reset button, via NMS IPTool software 2 50 m
Video Analytics Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart IR	tamper abandoned object, object disappearance, line cross, scene change, video blurred, video color cat objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card via web browser, using reset button, via NMS IPTool software
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Video Analytics Functions Other functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart IR	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color ca objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card via web browser, using reset button, via NMS IPTool software 2 50 m
Video Analytics Functions Dher functions Privacy Zones Motion Detection Region of Interest (ROI) Image Processing Proce	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color cat objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card via web browser, using reset button, via NMS IPTool software 2 50 m yes (software support)
Video Analytics Functions Dher functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart IR White light Illuminator LED Number	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color ca objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FIP server, saving file on SD card via web browser, using reset button, via NMS IPTool software 2 S0 m yes (software support) 1, warm white color
Video Analytics Functions Dher functions Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings Restoring default settings IED Number Range Smart IR White light illuminator ED Number Range	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color ca objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FIP server, saving file on SD card via web browser, using reset button, via NMS IPTool software 2 50 m yes (software support) 1, warm white color 40 m
Video Analytics  Functions  Dher functions  Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Reatoring default settings IR LED LED Number Range Smart IR  White Ilight Illuminator LED Number Range Smart Light	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color ca objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FIP server, saving file on SD card via web browser, using reset button, via NMS IPTool software 2 50 m yes (software support) 1, warm white color 40 m
Video Analytics  Functions  Dher functions  Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart IR  White Ight Illuminator LED Number Range Smart Light Interfaces	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color cas objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card via web browser, using reset button, via NMS IPTool software 2 50 m yes (software support) 1, warm white color 40 m yes (software support)
Video Analytics  Functions  Dher functions  Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Reatoring default settings IR LED LED Number Range Smart IR  White Ight Illuminator LED Number Range Smart Light Interfaces Audio Input/Output	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color ca objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card via web browser, using reset button, via NMS IPTool software 2 50 m yes (software support) 1, warm white color 40 m yes (software support) 1 x Jack (3.5 mm)/- built-in microphone
Video Analytics  Functions  Cher functions  Privacy Zones Motion Detection Region of interest (ROI) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings  IR LED LED Number Range Smart IR White light Illuminator LED Number Range Smart Ra Number Range Ra Range Smart Ra Range Ra Range Ra Range Range Ra Range Ra Range Range Ra Range Ra Ra Range Ra Range Ra Range Ra Range Ra	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color cat objects distinguishing, intrusion detection         4 video mask type: single color         yes         8         sharpening, mirror effect, corridor mode, vertical flip, horizontal flip         up to 6 s/up to 120 s         e-mail, e-mail with attachment, saving file on FIP server, saving file on SD card         via web browser, using reset button, via NMS IPTool software         2         50 m         yes (software support)         1, warm white color         40 m         yes (software support)         1 x jack (3.5 mm)/- buil-in microphone         1 x Ethernet - Rj-45 interface, 10/100 Mbit/s
Video Analytics           Functions           Other functions           Privacy Zones           Motion Detection           Region of interest (ROI)           Image Processing           Prealarm/Postalarm           System Reaction to Alarm Events           Restoring default settings           IR EDD           LED Number           Range           Smart IR           White light Illuminator           LED Number           Range           Smart Light           Interfaces           Audio Input/Output           Network Interface           Memory Card Slot           Installation parameters	tamper abandoned object, object disappearance, line cross, scene change, video blurred, video color cas objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FIP server, saving file on SD card via web browser, using reset button, via NMS IPTool software 2 S0 m yes (software support) 1, warm white color 40 m yes (software support) 1 x Jack (3.5 mm)/- built-in microphone 1 x Ethemet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 256GB
Video Analytics           Functions           Other functions           Privacy Zones           Motion Detection           Region of interest (ROI)           Image Processing           Prealamt/Postalarm           System Reaction to Alarm Events           Restoring default settings           IR LED           LED Number           Range           Smart IR           White light liluminator           LED Number           Range           Smart Light           Interfaces           Audio Input/Output           Network Interface           Memory Card Slot           Installation parameters           Dimensions (mm)	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color cat objects distinguishing, intrusion detection 4 video mask type: single color yes 8 sharpening, mirror effect, corridor mode, vertical flip, horizontal flip up to 6 s/up to 120 s e-mail, e-mail with attachment, saving file on FIP server, saving file on SD card via web browser, using reset button, via NMS IPTool software 2 50 m yes (software support) 1, warm white color 40 m yes (software support) 1 x jtack (3.5 mm)/- buils-in microphone 1 x thermet - RJ-45 interface, 10/200 Mbit/s microsD - capacity up to 256G8 with bracket: 81 (W) x 81 (H) x 220 (L)
Video Analytics Functions  Cher functions  Privacy Zones Motion Detection Region of interest (R01) Image Processing Prealam/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart IR White light illuminator LED Number Range Smart LIGH Interfaces Audio Input/Output Network Interface Memory Card Slot Installation parameters Dimensions (mm) Weight	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color car objects distinguishing, intrusion detection         4 video mask type: single color         yes         8         sharpening, mirror effect, corridor mode, vertical flip, horizontal flip         up to 6 s/up to 120 s         e-mail, e-mail with attachment, saving file on FIP server, saving file on SD card         via web browser, using reset button, via NMS IPTool software         2         50 m         yes (software support)         1         1         1         1         2         30 m         yes (software support)         1
Video Analytics           Functions           Other functions           Privacy Zones           Motion Detection           Region of interest (ROI)           Image Processing           Prealamt/Postalarm           System Reaction to Alarm Events           Restoring default settings           IR LED           LED Number           Range           Smart IR           White light liluminator           LED Number           Range           Smart Light           Interfaces           Audio Input/Output           Network Interface           Memory Card Slot           Installation parameters           Dimensions (mm)	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color cat objects distinguishing, intrusion detection         4 video mask type: single color         yes         8         sharpening, mirror effect, corridor mode, vertical flip, horizontal flip         up to 6 s/up to 120 s         e-mail, e-mail with attachment, saving file on FIP server, saving file on SD card         via web browser, using reset button, via NMS IPTool software         2         S0 m         yes (software support)         1, warm white color         40 m         yes (software support)         1 x jack (3.5 mm)/- built-in microphone         1 x jack (3.5 mm)/- built-in microphone         1 x therent - R)-45 interface, 10/100 Mbit/s microSD - capacity up to 256G8         with bracket: 81 (W) x 81 (H) x 220 (L)         0.66 kg         IP 67 (details in the user's manual)
Video Analytics Functions  Cher functions  Privacy Zones Motion Detection Region of interest (R0)) Image Processing Prealam/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart IR White light illuminator LED Number Range Smart LIGH Interfaces Audio Input/Output Network Interface Memory Card Slot Installation parameters Dimensions (mm) Weight	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color car objects distinguishing, intrusion detection         4 video mask type: single color         yes         8         sharpening, mirror effect, corridor mode, vertical flip, horizontal flip         up to 6 s/up to 120 s         e-mail, e-mail with attachment, saving file on FIP server, saving file on SD card         via web browser, using reset button, via NMS IPTool software         2         50 m         yes (software support)         1         1, warm white color         40 m         yes (software support)         1         1 x biteriace, 10/100 Mbit/s         microsD - capacity up to 256G8         with bracket: 81 (W) x 81 (H) x 220 (L)         0.66 kg         IP 67 (details in the user's manual)         aluminium, white, fully cable managed wall mount bracket in-set included , K10 impact rating
Video Analytics       Functions       Other functions       Privacy Zones       Motion Detection       Region of interest (ROI)       Image Processing       Prealarm/Postalarm       System Reaction to Alarm Events       Restoring default settings       IR LED       LED Number       Range       Smart IR       Vibre light Illuminator       LED Number       Range       Smart Light       Interface       Memory Card Stot       Interfaces       Dimensions (mm)       Weight       Degree of Protection       Enclosure	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color cas objects distinguishing, intrusion detection         4 video mask type: single color         yes         8         sharpening, mirror effect, corridor mode, vertical flip, horizontal flip         up to 6 s/up to 120 s         e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card         via web browser, using reset button, via NMS IPTool software         2         30 m         yes (software support)         1, warm white color         40 m         yes (software support)         1, warm white color         40 m         yes (software support)         1, x btriere, r1,45 interface, 10/100 Mbit/s microsDore         1, x btriere, r1,45 interface, 10/100 Mbit/s microsD - capacity up to 256G8         with bracket: 81 (W) x 81 (H) x 220 (L)         0.66 kg       IP 67 (details in the user's manual)         aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating enclosure type: 4H-8
Video Analytics  Functions  Cher functions  Privacy Zones Motion Detection Region of interest (R01) Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart LBM Huminator LED Number Range Smart LBM ENDER Range District Settings Interfaces Audio Input/Output Network Interface Memory Card Siot Installation parameters Dimensions (mm) Weight Degree of Protection	tamper, abandoned object, object disappearance, line cross, scene change, video blurred, video color cas objects distinguishing, intrusion detection         4 video mask type: single color         yes         8         sharpening, mirror effect, corridor mode, vertical flip, horizontal flip         up to 6 slup to 120 s         e-mail, e-mail with attachment, saving file on FIP server, saving file on SD card         via web browser, using reset button, via NMS IPTool software         2         50 m         yes (software support)

NoVus

Power Consumption

Operating Temperature Humidity 3 W, 7.5 W (IR illuminator on), 5 W (white light illuminator on) -40°C ~ 60°C max. 95%, relative (non-condensing)