## NoVus

### 2 MPX Speed Dome IP Camera with face recognition and intelligent object tracking

NVIP-2SD-6540/25/F-II

# 6000 VSS

#### FUNCTIONS



#### **KEY FEATURES**

Resolution: 2 MPX
Lens: motorized varifocal, AI and AF function, optical zoom 25x, f=4.8 ~ 120 mm/F1.6 ~ 3.8
Auto Tracking
D/N function - IR cut filter
Auto Tracking
Video content analysis based on Deep Learning
microSD card support
WDR with double scan sensor
two-way audio
Min. Illumination from 0.00025 lx (0 lx, IR on)
IR LED, range up to 300 m (depends on current optical zoom value)

#### DIMENSIONS

The camera is dedicated to work with NOVUS 6000 series recorders. Detailed data can be found in the compatibility table available in the DOWNLOADABLE FILES tab.

Image	
Image Sensor	2 MPX CMOS sensor 1/2.8" SmartSens
Number of Effective Pixels	1920 (H) x 1080 (V)
Min. Illumination	0.00125 kx/F1.6 - color mode, 0.00025 kx/F1.6 - B/W mode, 0 kx (R on) - B/W mode
S/N Ratio	> 52 dB (AGC off)
Electronic Shutter	auto/manual: 1/25 s ~ 1/25000 s
Wide Dynamic Range (WDR)	yes (double scan sensor), 128dB
Digital Noise Reduction (DNR)	2D, 3D
Defog Function (F-DNR)	yes
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes
Lens	
Optical Zoom	25x
Lens Type	motorized, auto-iris function, f=4.8 ~ 120 mm/F1.6 ~ F3.8
Auto-focus	zoom trigger, day/night mode trigger, manual trigger
Day/Night	
	dau/sight quitching, machanical ID out filter
Mode Switching Mode	day/night switching: mechanical IR cut filter auto. manual. time
Switching Level Adjustment	yes
Switching Schedule	yes
Visible Light Sensor	yes
Network	
Stream Resolution	1920 x 1080 (Full HD), 1280 x 720 (HD), 704 x 576, 352 x 288 (CIF), 480 x 240
Frame Rate	30 fps for each resolution
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. 10
Bandwidth	40 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.12 PPPoE, SMTP, RTCP, HTML5
Camera Configuration	from Internet Explorer, Edge, Firefox, Chrome, Opera browser languages: Polish, English, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000
Mobile applications	ipGO 6 (iPhone, Android)
PTZ	
	360 including 20 special (function) presets
Preset Commands	360 including 20 special (function) presets 8 (up to 16 presets per tour)
Preset Commands Tours	
Preset Commands Tours Patterns	8 (up to 16 presets per tour)
Preset Commands Tours Patterns TillyPan Range	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 s for each pattern)
Preset Commands Tours Patterns Till/Pan Range Pan/Tilt Speed	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 s for each pattern) -10° ~ 90'/360° (continuous)
Preset Commands Tours Patterns Till/Pan Range Pan/Till Speed Preset Speed	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 s for each pattern) -10° ~ 90'/360° (continuous) up to 200°/s (proportional to zoom)
Preset Commands Tours Patterns Till/Pan Range Pan/Till Speed Preset Speed Video Analytics	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 s for each pattern) -10° ~ 90°/360° (continuous) up to 200°/s (proportional to zoom) up to 240°/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exi
Preset Commands Tours Pattens Till/Pan Range Pan/Till Speed Preset Speed Video Analytics Functions	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 s for each pattern) -10° ~ 90'/360° (continuous) up to 200'/s (proportional to zoom) up to 240'/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exi cross counting, scene change, video blurred, video color cast, zone entrance detection and object tracking
Preset Commands Tours Patterns Tit/Pan Range Pan/Tilt Speed Preset Speed Video Analytics Functions Other functions	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 s for each pattern) -10° - 90°/360° (continuous) up to 200°/s (proportional to zoom) up to 240°/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exil cross counting, scene change, video blurred, video color cast, zone entrance detection and object tracking objects distinguishing, comparing faces
Preset Commands Tours Patterns Patterns Patterns Part/Tilt Speed Preset Speed Video Analytics Punctions Physicy Zones	8 (up to 16 presets per tour) 4 (max. 380 commands or 180 for each pattern) -10° - 90'/360° (continuous) up to 200°/s (proportional to zoom) up to 240°/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exi cross counting, scene change, video blurred, video color cast, zone entrance detection and object tracking objects distinguishing, comparing faces 4
Preset Commands Tours Tours Tatterns Till/Dan Range Parset Speed Video Analytics Functions Other functions Privacy Zones Motion Detection	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 s for each pattern) -10° - 90'/360° (continuous) up to 200'/s (proportional to zoom) up to 240'/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit cross counting, scene change, video blurred, video color cast, zone entrance detection and object tracking objects distinguishing, comparing faces 4 yes
Preset Commands Tours Tours Tatterns Titl/Pan Range Pan/Tit Speed Preset Speed Video Analytics Functions Other functions Privacy Zones Midion Detection Image Processing	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 for each pattern) -10° - 90'/360° (continuous) up to 200°/s (proportional uzom) up to 240°/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exi cross counting, scene change, video blurred, video color cast, zone entrance detection and object tracking objects distinguishing, comparing faces 4
Preset Commands Tours Patterns Titl/Pan Range Pan/Titl Speed Preset Speed Video Analytics Functions Other functions Privacy Zones Motion Detection Image Processing Prealarm/Postalarm	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 s for each pattern) -10° - 90'/360° (continuous) up to 200'/s (proportional to zoom) up to 240'/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exi cross counting, scene change, video blurred, video color cast, zone entrance detection and object tracking objects distinguishing, comparing faces 4 yes 180° image rotation, sharpening, mirror effect up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, object
Preset Commands Tours Patterns Titl/Pan Range Pan/Titl Speed Preset Speed Video Analytics Functions Other functions Privacy Zones Motion Detection Image Processing Prealarm/Postalarm	8 (up to 16 presets per tour) 4 (max. 380 commands or 180 s for each pattern) -10° ~ 90'/360° (continuous) up to 200'/s (proportional to zoom) up to 240'/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exi cross counting, scene change, video blurred, video color cast, zone entrance detection and object tracking objects distinguishing, comparing faces 4 yes 180° image rotation, sharpening, mirror effect up to 6 s/up to 120 s
Preset Commands Tours Patterns Patterns Patterns Patterns Pan/Trilt Speed Pan/Trilt Speed Preset Speed Video Analytics Purctions Other functions Privacy Zones Motion Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 s for each pattern) -10° ~ 90'/360° (continuous) up to 200'/s (proportional to zoom) up to 200'/s (proportional to zoom) up to 240'/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit cross counting, scene change, video blurred, video color cast, zone entrance detection and object tracking objects distinguishing, comparing faces 4 yes 180° image rotation, sharpening, mirror effect up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, object tracking
Preset Commands Tours Patterns Patterns Patterns Partern Parter Pan/Tilt Speed Preset Speed Video Analytics Punctions Phroacy Zones Motion Detection Image Processing Processing Pyrealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 for each pattern) -10° - 90'/360° (continuous) up to 200°/s (proportional to zoom) up to 240°/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit cross counting, scene change, video blurred, video color cast, zone entrance detection and object tracking objects distinguishing, companing faces 4 yes 180° Image rotation, sharpening, mirror effect up to 6 siyup to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, object tracking via web browser, via NMS IPTool software
Preset Commands Tours Tours Patterns Patterns Till/Pan Range Pan/Till Speed Preset Speed Video Analytics Pructions Other functions Other functions Privacy Zones Motion Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Reastoring default settings It E LED LED Number	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 s for each pattern) -10° - 90°/360° (continuous) up to 200°s (proportional to zoom) up to 240°/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit auto tracking linked to Video Loured, video color cast, zone entrance detection and object tracking objects distinguishing, comparing faces 4 yes 180° image rotation, sharpening, mirror effect up to 6 slup to 120 s 
Preset Commands Tours Tours Patterns Patterns Patterns PartirUPan Range Pan/Tilt Speed Pan/Tilt Speed Video Analytics Other functions Other functions Privacy Zones Motion Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED Number Range	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 s for each pattern) -10° ~ 90'/360° (continuous) up to 200'/s (proportional to zoom) up to 240'/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exi cross counting, scene change, video blurred, video color cast, zone entrance detection and object tracking objects distinguishing, comparing faces 4 yes 180° image rotation, sharpening, mirror effect up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, object tracking via web browser, via NMS IPTool software 6 up to 300 m (depends on current optical zoom value)
Preset Commands Tours Patterns Patterns Patterns Partern Pan/Tilt Speed Pan/Tilt Speed Preset Speed Video Analytics Other functions Other functions Privacy Zones Motion Detection Image Processing Prealarm/Postalarm System Reaction to Alarm Events Restoring default settings IR LED LED Number Range Smart IR	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 s for each pattern) -10° - 90°/360° (continuous) up to 200°s (proportional to zoom) up to 240°/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit solgetst distinguishing, comparing faces 4 yes 180° image rotation, sharpening, mirror effect up to 6 s/up to 120 s 
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Preset Commands Tours Pattems Pattems Pattems Pattems Pattems Parter Part Part Part Part Part Part Part Par	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 sfor each pattern) -10° - 90'/360° (continuous) up to 200''s (proportional to zoom) up to 240°/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exi cross counting, scene change, video hlurred, video color cast, zone entrance detection and object tracking objects distinguishing, comparing faces 4 yes 100° image rotation, sharpening, miror effect up to 6 si,up to 120 s 6 up to 300 m (depends on current optical zoom value) yes (hardware support) 1 x jack (3.5 mm)/1 x jack (3.5 mm)
IR LED LED Number Range Smart IR Interfaces Audio Input/Output Alam Input/Output	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 s for each pattern) -10° - 90'/360° (continuous) up to 200'/s (proportional to zoom) up to 240'/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit cross counting, scene change, video blurred, video color cast, zone entrance detection and object tracking objects distinguishing, comparing faces 4 yes 180° image rotation, sharpening, mirror effect up to 6 s/up to 120 s e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation, object tracking via web browser, via NMS IPTool software 6 up to 300 m (depends on current optical zoom value) yes (hardware support) 1 x jack (3.5 mm)/1 x jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA)
Preset Commands       Tours       Patterns       TitlPan Range       Part/Titl Speed       Preset Speed       Video Analytics       Functions       Other functions       Privacy Zones       Motion Detection       Image Processing       Prealarm/Postalarm       System Reaction to Alarm Events       Restoring default settings       IED Number       Range       Smart IR       Interfaces       Audio Input/Output	8 (up to 16 presets per tour) 4 (max. 360 commands or 180 sfor each pattern) -10° - 90'/360° (continuous) up to 200''s (proportional to zoom) up to 240°/s auto tracking linked to Video Content Analysis (VCA) functions, tamper, line cross, zone entrance, zone exit cross counting, scene change, video blurred, video color cast, zone entrance detection and object tracking objects distinguishing, companing faces 4 yes 100° image rotation, sharpening, mirror effect up to 6 si,up to 120 s 6 u to 300 m (depends on current optical zoom value) yes (hardware support) 1 x jack (3.5 mm)/1 x jack (3.5 mm)

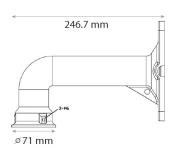


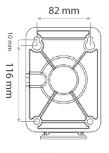
Dimensions (mm)	173 (Φ) x 268 (H) with bracket: 173 (W) x 415 (H) x 300 (L)
Weight	2.1 kg with bracket: 2.8 kg
Degree of Protection	IP 66 (details in the user's manual)
Enclosure	aluminium, white, IK10 impact rating, in set: outdoor housing (integrated with the camera), wall mount bracket Endosure type: 6SD-M
Power Supply	12 VDC, PoE+ (IEEE 802.3at, Klasa 4)
Surge protection	TVS 6000 V
Power Consumption	6 W, 15.5 W (IR illuminator on), 22 W (IR and heater on)
Operating Temperature	-40°C ~ 65°C
Cold start temperature	-30°C
Humidity	max. 90%, relative (non-condensing)
Built-in Heater/Fan	yes/yes

173 mm

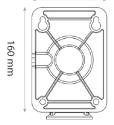


300 mm





115 mm



The camera has the ability to autor

