## NoVus

## 12 MPX IP Motor-zoom Camera with video content analysis based on Deep Learning

NVIP-12H-6522M/F



## FUNCTIONS



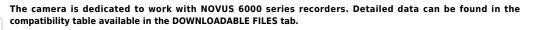
COMPLIANCE



**KEY FEATURES** 

Resolution: 12 MPX
Lens: motorized, auto-iris and auto-focus function, f=2.8 ~ 12 mm/F1.4
Human/Vehicle Object Classification
D/N function - IR cut filter
Video content analysis based on Deep Learning
microSD card support
two-way audio
Min. Illumination: 0.006 lx (0 lx, IR on)
IR LED, range up to 70 m (depends on current optical zoom value)

## DIMENSIONS



| Image  |  |
|--|--|
| Image Sensor   | 12 MPX CMOS sensor 1/1.7" SONY Exmor R STARVIS   |
| Number of Effective Pixels                                 | 4072 (H) x 3046 (V)  |
| Min. Illumination  | 0.006 ix/F1.4 - color mode,<br>0 ix (IR on) - B/W mode   |
| Electronic Shutter   | auto/manual: 1/3 s ~ 1/100000 s  |
| Digital Slow Shutter (DSS)                                 | up to 1/3 s  |
| Digital Noise Reduction (DNR)                              | 3D   |
| Defog Function (F-DNR)                                     | yes  |
| Highlight Compensation (HLC)                               | yes  |
| Back Light Compensation (BLC)                              | yes  |
| Reduction of image flicker (Antiflicker)                   | yes  |
| Lens   |  |
| Lens Type  | motorized, auto-iris function, f=2.8 ~ 12 mm/F1.4  |
| Auto-focus   | zoom trigger, day/night mode trigger, manual trigger   |
| DORI   |  |
| DORI (Detection, Observation, Recognition, Identification) | for f = 2.8mm - D: 86m, O: 34m, R: 17m, I: 9m<br>for f = 12mm - D: 190m, O: 76m, R: 38m, I: 19m  |
| Day/Night  |  |
| Mode   | day/night switching: mechanical IR cut filter  |
| Switching Mode   | auto, manual, time   |
| Switching Level Adjustment                                 | yes  |
| Switching Delay  | 2 ~ 6000 s   |
| Visible Light Sensor                                       | yes  |
| Network  |  |
| Stream Resolution  | 4000 x 3000, 3840 x 2160 (4K Ultra HD), 3200 x 1800 (QHD+), 2688 x 1520, 1920 x 1080 (Full HD), 1280<br>720 (HD), 704 x 576, 640 x 480 (VGA), 640 x 360, 352 x 288 (CIF), 480 x 240  |
| Frame Rate   | 30 fps for each resolution   |
| Multistreaming Mode  | number of streams: 5   |
| Video/Audio Compression                                    | H.264, H.264+, H.265, H.265+, MJPEG/G.711  |
| Number of Simultaneous Connections                         | max. 10  |
| Bandwidth  | 82 Mb/s in total   |
| Network Protocols Support                                  | HTTP, TCP/IP, IPv4/v6, UDP, HTTPS, FTP, DHCP, DDNS, NTP, RTSP, RTP, UPnP, SNMP, QoS, IEEE 802.1X,<br>PPPoE, SMTP, RTCP, P2P, HTMLS, RTMP, HTTP POST  |
| Camera Configuration                                       | from Internet Explorer, Edge, Firefox, Chrome, Opera browser<br>languages: Polish, English, and others   |
| Compatible Software  | NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, N Control 6000  |
| Mobile applications  | ipGO 6 (iPhone, Android)   |
| Video Analytics  |  |
| Functions  | tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, zone violation, face<br>detection, detection of people not wearing masks, cross counting, heat map, scene change, video blurred,<br>video color cast, objects distinguishing, people counting, vehicle counting, intrusion detection, target<br>counting by area |
| Other functions  |  |
| Security   | video encryption, configuration encryption, IEEE 802.1X support, HTTPS support, authorization Basic for<br>HTTP, authorization Token for HTTP  |
| Privacy Zones  | 4 video mask type: single color  |
| Motion Detection   | yes  |
| Region of interest (ROI)                                   | 8  |
| Image Processing   | 90° image rotation, 180° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction  |
| Prealarm/Postalarm   | up to 6 s/up to 120 s  |
| System Reaction to Alarm Events                            | e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation   |
| Restoring default settings                                 | via web browser, using reset button, via NMS IPTool software, via IP Tool 6000 software  |
| IR LED   |  |
| LED Number   | 4  |
| Range  | up to 70 m (depends on current optical zoom value)   |
| Smart IR   | yes (software support)   |
| Interfaces   |  |
| Video Output   | BNC, 1.0 Vp-p, 75 Ohm  |
| Audio Input/Output   | 1 x Jack (3.5 mm)/1 x Jack (3.5 mm)<br>built-in microphone   |
| Alarm Input/Output   | 1 (NO/NC)/1 relay type (max. 1A 30VDC)   |
| Network Interface  | 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s  |
| Memory Card Slot   | microSD - capacity up to 512GB   |
|  |  |





101 mm



89 mm



280 mm

| Installation parameters   |   |  |
|---|---|--|
| Dimensions (mm)   | with bracket: 101 (W) x 89 (H) x 280 (L)  |  |
| Weight  | 1.1 kg  |  |
| Degree of Protection  | IP 67 (details in the user's manual)  |  |
| Enclosure   | aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating<br>enclosure type: 4H-B |  |
| Power Supply  | 12 VDC, PoE (IEEE 802.3af, Klasa 3)   |  |
| Surge protection  | TVS 4000 V  |  |
| Power Consumption   | 8.5 W,<br>13 W (IR illuminator on)  |  |
| Operating Temperature   | -30°C ~ 60°C  |  |
| Humidity  | max. 95%, relative (non-condensing)   |  |
| The camera creates a fully functional face recognition system when used with selected NOVUS IP 6000 series recorders (models with *F* in the name). |   |  |

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