NOVUS

Vandal Proof IP Camera with Fisheye Lens

NVIP-12F-8001

8000 VSS IP

FUNCTIONS

VCA ANALYSIS H.265 SMART

IK10 12 Mpx D/N IR-cut

0.04 Lux 360° f=1.8 10 m

KEY FEATURES

- Resolution: 12 MPX
- Lens: fisheye, f=1.8 mm/F2.4
- D/N function - IR cut filter
- Video content analysis
- microSD card support
- Min. Illumination from 0.04 lx (0 lx, IR on)
- IR LED, range up to 10 m

DIMENSIONS

52 mm

162 mm (Ø)

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	0.04 lx/F2.4 - color mode, 0 lx (IR on) - B/W mode
Electronic Shutter	auto: 1/5 s ~ 1/20000 s
Digital Slow Shutter (DSS)	up to 1/5 s
Wide Dynamic Range (WDR)	yes
Digital Noise Reduction (DNR)	2D, 3D
Defog Function (F-DNR)	yes
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Lens	
Lens Type	fisheye, f=1.8 mm/F2.4
Day/Night	
Switching Type	mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	0 ~ 180 s
Switching Schedule	yes
Visible Light Sensor	yes
Network	
Stream Resolution	4000 x 3000, 4000 x 2000, 3840 x 2160 (4K Ultra HD), 3000 x 3000, 2560 x 2560, 1920 x 1080 (Full HD), 1280 x 960, 720 x 720, 704 x 576
Frame Rate	20 fps for 4000 x 3000, 25 fps for 4000 x 2000 and lower resolutions
Multistreaming Mode	2 streams
Video/Audio Compression	H.264, H.264 Smart, H.265, H.265 Smart, MJPEG/G.711, RAW_PCM
Number of Simultaneous Connections	max. 8
Bandwidth	30 Mb/s in total
Network Protocols Support	HTTP, TCP/IP, IPv4, UDP, HTTPS, Multicast, FTP, DHCP, DNS, NTP, RTSP, RTP, UPnP, IEEE 802.1X, PPPoE, SMTP, RTCP, SSL, ICMP, Unicast
Camera Configuration	from Internet Explorer browser languages: Polish, English, Russian, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC
Other functions	
Privacy Zones	4
Motion Detection	yes
Region of interest (ROI)	8
Video Content Analysis (VCA)	tamper, abandoned object, object disappearance, line cross, zone entrance, double line cross, loiter, multi loiter, abnormal speed, converse, illegal parking
Image Processing	180° image rotation, mirror effect
Prealarm/Postalarm	up to 5 MB/up to 86400 s
System Reaction to Alarm Events	e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation
IR LED	
LED Number	6
Range	10 m
Angle	180°
Interfaces	
Audio Input/Output	1 x RCA/1 x RCA, built-in microphone
Alarm Input/Output	1 (NO/NC)/1
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Memory Card Slot	microSD - capacity up to 128GB
Installation parameters	
Dimensions (mm)	162 (Φ) x 52 (H)
Weight	0.7 kg
Degree of Protection	IP 66 (details in the user's manual)
Enclosure	vandalproof IK10 impact rating aluminium, white poly-carbonate bubble
Power Supply	12 VDC/24 VAC, PoE (IEEE 802.3af, Class 3)
Power Consumption	3.7 W, 9.5 W (IR illuminator on), 5.7 W (heater on), 11.5 W (IR and heater on)
Operating Temperature	-30°C ~ 60°C
Humidity	max. 90%, relative (non-condensing)
Built-in Heater/Fan	yes/no

The following functions are available from software version v3.5.0807.1004.89.0.32.3.6: Video Content Analysis (VCA), H.264 Smart, H.265 Smart, BLC.
Please keep in mind that due to the specific observation area of cameras with a fisheye lens, the effectiveness of the Video Content Analysis (VCA) function is higher in the central part of the scene and much lower on its edges.
From the software version v3.6.0807.1004.89.0.1.1.6 resolution 4096 x 2160 has been replaced by the resolution 4000 x 2000.