

BOSCH NBN-73023-BA



DESCRIPTION

DINION IP starlight 7000 HD

This camera provides clear images 24/7 even at night or under low-light conditions. The exceptional starlight sensitivity enables this camera to work with a minimum of ambient light. The extended dynamic mode provides detailed images in scenes with challenging lighting. The camera is available in 1080p or 720p resolution versions and provides up to 60 images per second. There is a selection of high quality lenses separately available.

Exceptional low-light performance

The latest sensor technology combined with the sophisticated noise suppression results in an exceptional sensitivity in color. The low-light performance is so good that the camera continues to provide excellent color performance even with a minimum of ambient light.

Fast performance

The 60 images-per-second mode provides for optimum performance in fast action scenes and is particularly suitable for casino and banking applications.

High Dynamic Range

The camera has High Dynamic Range. This is based on a multiple-exposure process that captures more details in the highlights and in the shadows even in the same scene. The result is that you can easily distinguish objects and features, for example, faces with bright backlight. The actual dynamic range of the camera is measured using Opto-Electronic Conversion Function (OECF) analysis according to IEC 62676 Part 5. This method is used to provide a standard result which can be used to compare different cameras.

Content Based Imaging Technology

Content Based Imaging Technology (CBIT) is used to radically improve image quality in all lighting conditions and to identify areas for enhanced processing. The camera examines the scene using Intelligent Video Analytics and provides feedback to retune the image processing. This provides better detail in the areas that matter and better all-round performance. With IVA, the Intelligent Auto Exposure technology, for example, allows you to view moving objects in bright and dark areas of a scene.

Intelligent Video Analytics

The built-in video analytics is both robust and intelligent. The Intelligence-at-the-Edge concept now delivers even more powerful features:

- Simple calibration
- False alarm reduction
- Extended range identification
- Crowd and queue management
- Density and flow counting

The mission critical video analytics reliably detects, tracks, and analyzes objects, and alerts you when predefined alarms are triggered. A smart set of alarm rules, together with object filters and tracking modes, makes complex tasks easy. The system is also extremely robust and is able to reduce false alarms, for example from foliage or shaking objects, even in harsh weather conditions. Metadata is attached to your video to add sense and structure. This enables you to quickly retrieve the relevant images from hours of stored video. Metadata can also be used to deliver irrefutable forensic evidence or to optimize business processes based on people counting or crowd density information. Calibration is quick and easy just enter the height of the camera. The internal gyro/accelerometer sensor provides the rest of the information to precisely calibrate the video analytics.

Intelligent Dynamic Noise Reduction reduces bandwidth and storage requirements

The camera uses Intelligent Dynamic Noise Reduction which actively analyzes the contents of a scene and reduces noise artifacts accordingly. The low-noise image and the efficient H.264 compression technology provide clear images while reducing bandwidth and storage by up to 50% compared to other H.264 cameras. This results in reduced-bandwidth streams that still retain a high image quality and smooth motion. The camera provides the most usable image possible by cleverly optimizing the detail-to-bandwidth ratio.

Area-based encoding

Area-based encoding is another feature which reduces bandwidth. Compression parameters for up to eight user-definable regions can be set. This allows uninteresting regions to be highly compressed, leaving more bandwidth for important parts of the scene.

Bitrate optimized profile

The average typical optimized bandwidth in kbits/s for various image rates is shown in the table. To increase system reliability, the camera can be simultaneously connected to both PoE and +12 VDC supplies. If one power source fails, the other source takes over without a reboot so providing power redundancy. The auto-focus lens wizard makes it easy for an installer to accurately focus the camera for both day and night operation. The wizard is activated from the web browser or from the on-board camera push button making it easy to choose the workflow that suits best. The automatic motorized back focus adjustment with 1:1 pixel mapping ensures the camera is always focus

TECHNICAL CHARACTERISTICS

Brand : BOSCH
Part number : NBN-73023-BA
Représentation / réalisation :
Type : IP security camera
Système d'objectif :
Auto focus : Y
Certification : CE, cULus, WEEE, RCM, EAC
Active tampering alarm : Y
Adjustment shutter speed : Auto
Alarm input/output : Y
Analog signal format system : NTSC, PAL

Angle of rotation : 90°
Audio detection : Y
Audio formats supported : AAC-LC, G.711
Auto-tracking : Y
Camera pan control : Y
Camera shutter speed : 1/25 - 1/15000 s
Camera shutter type : Electronic
Camera tilt control : Y
Card reader integrated : Y
Compatible memory cards : MicroSDHC, MicroSDXC
Connectivity technology : Wired
Day/night mode : Y
Depth : 140 mm
Ethernet interface type : Fast Ethernet
Ethernet LAN : Y
Ethernet LAN (RJ-45) ports : 1
Firmware upgradeable : Y
Flip & mirror : Y
Focus : Motorized
Fog proof : Y
Form factor : Box
Frame rate : 60 fps
Height : 66 mm
HTTPS encryption : Y
Image quality adjustment : Brightness, Contrast, Saturation, Sharpness
Intelligent Video Surveillance (IVS) system features : Crossing line, Scene change
LED indicators : Y
Manual : Y
Maximum memory card size : 2000 GB
Maximum resolution : 1920 x 1080 pixels
Minimum illumination : 0.0008 lx
Mounting type : Ceiling/wall
Networking standards : IEEE 802.3af
Noise reduction : Y
Number of cameras : 1
Number of effective pixels (H x V) : 1920 x 1080 pixels
Number of lenses : 1
Number of sensors : 1
Operating relative humidity (H-H) : 20 - 93%
Operating temperature (T-T) : -20 - 50 °C
Optical sensor size : 25.4 / 2.8 mm (1 / 2.8")
Password protection : Y
People counting function : Y
Placement supported : Indoor & outdoor
Power consumption (typical) : 7.2 W
Power source type : DC, PoE
Privacy masking : Y
Product colour : Black, Titanium
PTZ control : Y
Quality of Service (QoS) support : Y
Region of Interest (ROI) encoding : Y
Remote viewing : Y
Reset button : Y

RS-232 ports : 1
RS-422 ports : 1
RS-485 ports : 1
Sample rate : 16 kHz
Sensor type : CMOS
Signal-to-Noise Ratio (SNR) : 50 dB
Storage relative humidity (H-H) : 0 - 98%
Storage temperature (T-T) : -30 - 70 °C
Streaming method : Multicast
Supported network protocols : IPv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/ RTCP, IGMP V2/V3, ICMP, ICMPv6, RTSP, FTP, ARP, DHCP, APIPA (Auto-IP, link local address), NTP (SNTP), SNMP (V1, V3, MIB-II), 802.1x, DNS, DNSv6, DDNS (DynDNS.org, selfHOST.de, no-ip.com), SMTP, iSCSI, UPnP (SSDP), DiffServ (QoS), LLDP, SOAP, Dropbox, CHAP, digest authentication
Sustainability certificates : RoHS
Total megapixels : 2 MP
Video formats supported : H.264, M-JPEG
Video streaming : Y
Web browser : Y
Weight : 690 g
White balance : Auto, Manual, Sodium lamp
Wide Dynamic Range (WDR) : Y
Width : 78 mm
Zoom capability : Y