SNC-831DBIA

4K/Ultra HD IP bullet camera
incl. Intelligent Video Analysis (IVA+)

■ PRODUCT DESCRIPTION

▶ Application:

SNC-831DBIA is a dome camera which can be used for for many different applications, indoors as well as outdoors. Thanks to the integrated IR LEDs with up to 50m range, surveillance at night or under poor light conditions are not a problem. SNC-831DBIA supports Ultra HD/4K at max. 12 megapixel resolutio (4000x3000 pixels). This camera has manifold functions and adjustment options such as 3x streaming, auto backfocus (ABF), region-of-interest (ROI), privacy zones and many more. A special camera feature is the so-called extended Intelligent Video Analysis (IVA+). It comprises the well-known functions such as virtual tripwire, area monitoring etc. but also special functions liek "heatmap" and "people counting". Using a SD card you can store and export data.

▶ Technical specifications:

Type	4K/Ultra HD IP camera
Sensor type	1/1.7" Progressive Scan CMOS
Picture resolution (pixel)	12 MP (4000x3000 pixel)
Video codec	H.264, H.264B, H.264H, MJPEG
Max. frame rate (fps)	15 fps at 12 MP, 15/30 fps at 8 MP
Number of video streams	3 (individually adjustable)
Lens mount	Intern
Iris control	Auto/manual
S/N ratio (dB)	< 50dB
Lens type	Motorized lens
Focal length	4.1 - 16.4 mm / F1.4
Angle of view (horizontal)	84.5° - 34°
Sensitivity (Lux)	0.05 (color) / 0.0 (IR on)

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▶ **Technical specifications:**

IR cut filter	IR-Cut filter (mechanical)
Day/night mode adjustment	Auto / color / B/W
Automatic gain control (AGC)	Yes
Digital noise reduction (DNR)	3DNR
Shutter (sec.)	1/3 - 1/100,000
White balance	Auto / sunny / night / outdoor / manual
Backlight compensation	BLC, HLC, DWDR
Wide dynamic range (WDR)	DWDR
Digital zoom	Yes
Mirroring (vertical)	Yes
Privacy zones	4
Region of Interest (ROI)	4
Tripwire	Yes
Intrusion	Yes
Tampering Alarm	Yes
Scene change	Yes
Missing / Added	Yes
Audio detect	Yes
Face detect	Yes
Camera title	Yes
Video output	1x Video test port (1.0 Vpp, 75 Ohm)
Audio support	Yes
Audio in-/outputs	1 / 1
Audio codec	G.711a / G711u / AAC
Alarm contacts I/O	2 / 1
RS-485 interface	No
Alarm management	HTTP, FTP, SMTP
Schedule	Yes
Management software support	Many VMS
Security features	HTTPS, SSL, IP Filter
Supported protocols	HTTP, UDP, UPNP, BONJOUR, DHCP, FTP, SMTP, RTSP
Supported software standards	ONVIF, PSIA, CGI
Internal memory	Micro SD (optional), max. 128 GB
Ethernet connector	RJ-45
Ethernet standards	10/100/1000 Base-T
Classification	IP-66
Camera mounting	Screw mounting
Housing colour	White
Housing material	Aluminium
IR distance (m. ca.)	up to 50m
Voltage	12 V DC / PoE
PoE standard	IEEE802.3at
Power consumption (watt)	max. 24 watt (IR on)
Operating temperature (°C)	-20 to +60

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▶ **Technical specifications:**

Storage temperature (°C)	0 to +60
Rel. humidity (%)	Max. 95, non-condensing
Dimensions WxHxD (mm)	280 x 95 x 95
Weight	800 g
Identifier	CE, RoHS
Items included in delivery	CD, software, user manual
Specials	People counting, Heatmap, Picture in Picture

▶ **Note:**

A SD card are not included in the delivery. The range of the built-in IR-LEDs
strongly depend on the location and the surroundings. Strongly absorbent surfaces,
e.g. dark, rough structures (floor, lawn or asphalt) may lead to a considerable
reduction of the maximum range.

▶ **Recommended Accessories**

VCA-12V-1.5ASA	SANTEC stabilized power supply unit 230V AC/12V DC, 1.5 A, with plug /adapter
SNCA-MK-4530	Adapter / Junction box for SNC-311RBIA and SNC-431RBIA
SNCA-CM-4670	Corner Mount Adapter for SNCA-JB-4640, -WM-4642 (SNC-211RSIA)
SNCA-PM-4660	Pole Mount adapter up to 127 mm and SNCA-JB-4640 and SNCA-WM-4642 (SNC-211RSIA)
SNPS-12D2	SANTEC stabilized power supply 12 V DC, 1.5 A, plug / adapter