



SNC-831DDIA

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

PRODUCT DESCRIPTION

► Application:

SNC-831DDIA 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. The dome camera is vandal-proof according to IK10 classification. SNC-831DDIA supports Ultra HD/4K at max. 12 megapixel resolution (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
S/N ratio (dB)	< 50dB
Iris control	Automatic
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 - 1/10000
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)	Yes
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	1 / 1
RS-485 interface	No
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 Base-T
Classification	IP-66, IK10
Camera mounting	Screw mounting
Housing colour	White
Housing material	Aluminium
IR distance (m. ca.)	up to 50m
Voltage	12 V DC / 24 V AC / PoE
PoE standard	IEEE802.3at
Power consumption (watt)	max. 24 watt (IR on)
Operating temperature (°C)	-20 to +60
Storage temperature (°C)	0 to +60

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► Technical specifications:

Rel. humidity (%)	Max. 95, non-condensing
Dimensions DxH (mm)	159 x 117.9
Weight	1100 g
Identifier	CE, RoHS
Items included in delivery	incl. SNCA-MK-4632

► 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
SNPS-12D2	SANTEC stabilized power supply 12 V DC, 1.5 A, plug / adapter
SANPOWER-MS01BL	1-channel 30 W PoE power injector 56V, 30 W
SNCA-ICM-PFB201C	In-ceiling bracket suitable for SNC-231RDIA, SNC-241DDIA, SNC-431RDIA, SNC-831DDI
SNCA-MK-4633	Adapter plate for SNC-231RDIA, SNC-431RDIA, SNC-241DDIA, SNC-831DDIA
SNCA-CMT-4852	Ceiling Mount for SNC-211RSIA
SNCA-PM-4661	Mastadapter inkl. Spannbänder von 80 bis 130 mm
SNCA-WM-4645	Wall bracket for IP cameras