



SNC-831DFIF

4K/Ultra HD 360°fisheye-camera
1,57 mm lens, IR-LED, PoE

PRODUCT DESCRIPTION

► Application:

SNC-831DFIF is a 360° fisheye camera which can be used for many different applications, indoors as well as outdoors. Thanks to the integrated IR LEDs with up to 10m range, surveillance at night or under poor light conditions are not a problem. The dome camera is vandal-proof according to IK10 classification. SNC-831DFIF supports Ultra HD/4K at max. 12 megapixel resolution (4000x3000 pixels). This camera has manifold functions and adjustment options such as 3x streaming, 360° panorama view, 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 like "heatmap", "people counting" and SmartTrack with a connected SANTEC speed-dome camera. Using a SD card you can store and export data.

► Technical specifications:

Type	4K/Ultra HD IP camera
Sensor type	1/2.3" 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	360° panorama lens, Fixlens
Focal length	1,57 mm / F2.2
Angle of view (horizontal)	185° / 185° / 185°
Sensitivity (Lux)	0.01 (color) / 0.0 (IR on)

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► Technical specifications:

IR cut filter	ICR-IR-Cut filter
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, manually
Backlight compensation	BLC, HLC, DWDR
Wide dynamic range (WDR)	DWDR
Digital zoom	Yes
Mirroring (vertical)	Yes
Privacy zones	4
Region of Interest (ROI)	Yes
Intelligent Video Analysis (IVA)	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, built-in microphone
Audio in-/outputs	1 / 1
Audio codec	G.711a / G.711Mu / PCM
Alarm contacts I/O	1 / 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 Base-T
Classification	IP-66, IK10
Vandal-proof	Yes, acc. to IK10
Camera mounting	Screw mounting
Housing colour	White
Housing material	Aluminium
IR distance (m. ca.)	10m
Voltage	12 V DC / PoE
PoE standard	IEEE802.3at / IEEE802.3af
Power consumption (watt)	max. 13

► Technical specifications:

Operating temperature (°C)	-30 to +60
Rel. humidity (%)	Max. 95, non-condensing
Dimensions ØxH (mm)	150 x 50,7
Weight	580 g
Identifier	CE, RoHS
Items included in delivery	Quick install guide, manual on CD, mounting plate

► 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
SNCA-WM-4645	Wall bracket for IP cameras
SNCA-MK-4630	Adapter / Junction box for SNC-311RDIA
SNCA-CMT-4852	Ceiling Mount for SNC-211RSIA
SNCA-MK-4536	Adapter/junction box for SNC-831DFIF
SNCA-CM-4670	Corner Mount Adapter for SNCA-JB-4640, -WM-4642 (SNC-211RSIA)
SNCA-PM-4661	Mastadapter inkl. Spannbänder von 80 bis 130 mm