

### BWNC-442FDIF

IP dome camera with IR, 2.8mm lens  
H.265(+), LowLight, 120dB TrueWDR, PoE, AIfunction

## PRODUCT DESCRIPTION

### ► Application:

The cameras of the BWNC-442 series have weatherproof housings with integrated IR illuminator, H.265(+) encoders, which almost halve the required bandwidth at the same bandwidth at the same image quality and many other features. Thanks to integrated AI video analysis functions, the camera can be universally used for surveillance tasks, in areas such as retail, object surveillance, production monitoring, etc. The AI algorithms allow to distinguish between people and vehicles when an alarm is triggered, and to minimize false alarms caused by animals/rain/leaves/wind/etc. The powerful hardware has been further improved compared to the previous model with a new image sensor. a new image sensor for even more brilliant colors and higher contrasts, a fast fast DSP and the new AI functions.

### ► Technical specifications:

Type	IP day/night IR dome camera
Decoding / Video / Lens	>>>>DECODING/VIDEO/LENS<<<<<
Sensor type	1/3" Progressive Scan CMOS
Effective pixel	2688(H) x 1520(V)
Max. Picture resolution (pixel)	4MP(2688x1520)/2MP(1920x1080) / 1MP(1280x720)
Video codec	H.264, H.264+, H.265, H.265+, MJPEG(Substream)
Streaming Method	Unicast / Multicast
Max frame rate mainstream	25/30fps at 4MP
Max frame rate 1.sub stream	25 fps at D1
Max frame rate 2.sub stream	25 fps at 720P
Bit Rate Control	CBR / VBR
Bit Rate per channel	H.264: 24-10240Kbps ; H.265: 14-9984Kbps
Number of video streams	3 (individually adjustable)

BURG-GUARD GmbH  
Wormgermühle, 58540 Meinerzhagen, Germany  
Tel.: +49 2358 905 490, Fax: +49 2358 905 499  
BURG-GUARD@burg.biz, www.burg-guard.com



► **Technical specifications:**

Lens mount	Intern
Lens type	Fixlens
Focal length	2,8mm
Optical zoom	-
Angle of view (horizontal)	103°
Angle of view (vertical)	55°
Sensitivity (Lux)	0,005 Lux, F1.6 (color)
Sensitivity (Lux)	0 Lux, F1.6 (IR on)
S/N ratio (dB)	>50 dB
IR cut filter	ICR-IR-Cut filter
Shutter (sec.)	1/3 - 1/10000
DETECT-OBSERVE-RECOGNIZ	>DETECT-OBSERVE-RECOGNIZE-IDENTIFY<
E-IDENTIFY	
DORI max.	57m - 23m - 11m - 6m
(Detect-Observe-Recognize-Identify)	
Features	>>>>>>>>FEATURES<<<<<<<<<<
Digital zoom	16x
Day/night mode adjustment	Auto (ICR) / color / B/W
Automatic gain control (AGC)	AGC, manual
Digital noise reduction (DNR)	2NR / 3DNR
White balance	Auto/Natural/Street Lamp/Outdoor/Manual
Backlight compensation	BLC, HLC, TrueWDR(120dB)
Wide dynamic range (WDR)	120 dB WDR (True WDR)
Mirroring (vertical)	Yes
Picture flip (horizontal)	Yes
Camera title	Yes
Privacy zones	Yes, 4 zones
Region of Interest (ROI)	Yes, 4 zones
ANR (automatic network reproduction)	Yes (for records)
Video analysis	>>>>>>>>Videoanalytics<<<<<<<<<<
Motion detection	Yes, 4 areas
Tampering Alarm	Yes
Scene change (tampering)	Yes
IVA via ONVIF Motion	Yes
Tripwire (IVA)	Yes
Intrusion (IVA)	Yes
AI Analytics	Car, Human
Interface	>>>>>>>>INTERFACE<<<<<<<<<<
Audio in-/outputs	-
Audio inputs	Microphone
Audio codec	-
Alarm contacts I/O	0 / 0

BURG-GUARD GmbH  
 Wormgermühle, 58540 Meinerzhagen, Germany  
 Tel.: +49 2358 905 490, Fax: +49 2358 905 499  
 BURG-GUARD@burg.biz, www.burg-guard.com



### ► Technical specifications:

Relay type (output)	-
SD-card slot	Yes, max. 256GB (optional)
Network	>>>>>>>>>NETWORK<<<<<<<<<<<<<<<<<<<
Ethernet connector	RJ-45
Ethernet standards	10/100Base-T
Ethernet speed	10 / 100 Mbit
PoE standard	IEEE 802.3af
POE Class	0
ePoE / Long-Range-PoE	No
Remote	>>>>>>>>>REMOTE<<<<<<<<<<<<<<<<<<<
Max number of users	10
Alarm management	HTTP, FTP, SMTP, ONVIF, NAS(NFS)
Schedule	Yes
Management software support	Many VMS
Supported browser	Internet Explorer 11, Chrome, Firefox, (Safari)
P2P support	Yes
Cloud service	Yes, BURG-WÄCHTER cloud
Smartphone App	BurgCam App
Push-Notification	Yes, BURGcam PRO App
Security features	HTTPS, SSH, IP Filter
Supported protocols	HTTP, HTTPS, FTP, TCP, UDP, DHCP, SSH, NTP, ONVIF...
Supported software standards	ONVIF, PSIA, CGI
ONVIF version/profile	ONVIF Profile S&G&T
Edge Recording	NAS(NFS), local PC, micro SD card, FTP
General	>>>>>>>>>GENERAL<<<<<<<<<<<<<<<<<<<
Classification	IP-67
Vandal-proof	Yes, acc. to IK10
Installation	Wall mount, ceiling mount and pole mount
Camera mounting	Screw mounting
Housing colour	White
Housing material	Aluminium
Integrated IR-LEDs	Yes
Wavelength LED	850 nm
IR distance (m. ca.)	30
Smart IR	Yes
Voltage	12 VDC (+/-25%), PoE
Max. Power consumption (watt)	5,7 (IR on)
Operating temperature (°C)	-30 to +60
Storage temperature (°C)	0 to +60
Rel. humidity (%)	Max. 95, non-condensing
Dimensions ØxH (mm)	55 x 109
Weight	0,38 kg
Identifier	CE
Items included in delivery	Quick install guide, screws+anchors

BURG-GUARD GmbH  
 Wormgermühle, 58540 Meinerzhagen, Germany  
 Tel.: +49 2358 905 490, Fax: +49 2358 905 499  
 BURG-GUARD@burg.biz, www.burg-guard.com



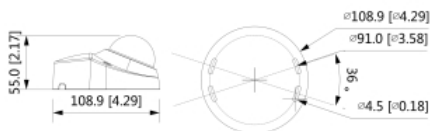
### ► Technical specifications:

Items included in delivery	Mounting drawing paper, LAN cable water prot.
Specials	H.265,AI IVA, TrueWDR(120dB)

### ► Note:

SD card is not included.

### ► Weitere Bilder:



Alle Angaben in mm [inch]. Irrtum und technische Änderungen vorbehalten  
All dimensions are in mm [inch]. Errors and omissions excluded



### ► Recommended Accessories

SNPS-12D2	SANTEC stabilized power supply 12 V DC, 1.5 A, plug
SNCA-WM-204W	Wall bracket for SNC-431FEIF, SNC-431FDIF
SNCA-MK-4533	Adapter/Junction box Suitable for: Please see accessory selection
SNCA-PM-4661	Mastadapter inkl. Spannbänder von 80 bis 130 mm

BURG-GUARD GmbH  
Wormgermühle, 58540 Meinerzhagen, Germany  
Tel.: +49 2358 905 490, Fax: +49 2358 905 499  
BURG-GUARD@burg.biz, www.burg-guard.com



Our products undergo constant development. Please refer to the price list for our most up-to-date product program. Errors and omissions excluded. No responsibility accepted for accuracy of images.