

PSA Centrii

Nightguard Defender Lite CCTV System

8ch NVR with 2TB & 5MP Full Colour Turrets
CENIPCK825TH3



Features

High-Resolution Imaging

Capture crystal-clear footage with a 5MP sensor delivering sharp detail at up to 2560 × 1920 resolution.

Smooth Video Performance

Enjoy reliable monitoring with fluid video recording at 25 frames per second.

Audio Alarm Deterrence

Deter intruders with up to 13 selectable alarms when vehicle or human intrusion is detected.

Advanced AI Detection

Accurately identify faces, humans, and vehicles to enhance security monitoring and reduce false alerts.

Smart Analytics Features

Stay informed with intelligent alerts including intrusion detection, line crossing, loitering, wrong-way detection, illegal parking, and people counting.

Enhanced Image Optimization

Benefit from DWDR, 3D DNR, ROI, HLC, BLC, and defog features for clearer footage in all lighting conditions.

Day & Night Visibility

Built-in IR and warm LEDs provide clear illumination up to 30 meters, ensuring reliable monitoring even in low light.

Two-Way Audio Communication

Communicate in real time with integrated microphone and speaker functionality.

Local Storage Capability

Store recordings directly on the device with support for microSD cards up to 1 TB.

Weatherproof Durability

Designed for outdoor use with IP66-rated protection against dust and water.

NDAA Approved

Your data is safe with us. The PSA Centrii CCTV system is NDAA-approved, meaning it meets strict government standards designed to protect your personal information.

Specifications

CAMERA	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	5MP, 2560(H) × 1920(V)
Shutter Speed	1/5 to 1/20,000s
Min. illumination	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with illuminator on
Day & Night	Auto (ICR)
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 85°, Rotation: 0° to 360°
LENS	
Lens Type	Fixed lens, fixed focal
Iris	Fixed Iris
Focal Length	2.8 mm
Max. Aperture	F1.6
Field of View (FOV)	H: 96.3°, V: 52.1°
DORI DISTANCE	
Detect	82 m (269.0 ft)
Observe	32.8 m (107.6 ft)
Recognize	16.4 m (53.8 ft)
Identify	7.2 m (23.6 ft)
DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.	

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Specifications

ILLUMINATOR

Type	IR, Warm light
Distance	IR distance up to 30 m (98.4 ft) Warm light distance up to 20 m (65.6 ft)
Control	IR mode, White mode, Intelligent mode, None
IR wavelength	850 nm

INTELLIGENT ANALYTICS

AI Multi-Target	Supports face, human, and vehicle detection.
Intelligent Analysis	Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, and illegal parking. - Supports accurate target classification (human/vehicle)
People Counting	Supported

VIDEO AND AUDIO

Number of Streams	3 Streams
Resolution	Stream1: 2560×1920, 2560×1440, 2304×1296, 1920×1080, 1280×720 Stream2: D1, VGA, CIF Stream3: VGA, CIF, QVGA
Frame Rate	Up to 25fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200 Kbps to 12 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 Kbps to 3 Mbps
Region of Interest	Off/On (8 areas, Rectangle)
Smart Encoding	Supported
Audio Compression	G.711 A-law, G.711 u-law, RAW_PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)

IMAGE

Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Mode	Indoor, Outdoor, Mirror, Corridor mode
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day, Night, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog, WDR
Wide Dynamic Range	DWDR

Privacy Masking	4 areas
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EVENT

Alarm Triggers	IVS, Motion detection, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection.
Event Actions	Alarm record, FTP upload, SMTP upload, Audible alarm output, White light alarm output.

NETWORK

Protocols	IPv4/IPv6, RTSP/ RTP/UDP, HTTP/HTTPS, DHCP, DNS, DDNS, PPPoE, UPnP, ICMP, IGMP, FTP, NTP, SMTP, 802.1x, SNMP
Application Programming Interface	ONVIF (Profile S/T/G/M), SDK, CGI
Max Concurrent Streams	4 channels
User/Host Level	Up to 32 users; 3 levels: Administrator, Operator, and Media User
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge

SECURITY

OS / Firmware Protect	Encrypted firmware, Signed firmware
User Authentication	Digest authentication, Prevent brute-force attack
Max Concurrent Streams	4 channels
Network Authentication	IEEE 802.1X (EAP-TLS)
Secure Communication	HTTPS, WSS (WebSocket Secure), SRTP
Access Control	IP-based access control, Auto logout
Data Protect	Encryption credentials
Audit	Access / System / Event Log management
Secure Storage	SDcard partition encrypt(AES-256), Secure element
Supply Chain Security	SBOM

INTERFACE

Network Interface	1 × Ethernet (10/100 Base-T), RJ-45 connector
Built-in Microphone	Supported
Built-in Speaker	Supported
SD Card Slot	Built-in microSD card slot, up to 1 TB
Reset Button	Supported

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Specifications

GENERAL

Language	English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English
Power Supply	12 VDC (-15% to +25%)/PoE (802.3af)
Power Consumption	Typical: 1.5 W (12 VDC) / approx. 1.9 W (PoE) Max (Light on + Speaker): 8 W (12 VDC) / approx. 10 W (PoE)
Operating Temperature	-25°C to 55°C (-13°F to 131°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66
Certifications	CE-EMC - EN 55032, EN IEC 61000-6-4, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4 FCC 47 CFR Part 15 Subpart B
Material	Aluminum alloy body, Decoration ring: plastic
Dimensions	φ111 × 100.8 mm (φ4.37 × 3.97 inch)
Net Weight	Approx. 423 g (0.933 lb)

Specifications

CENNVR108E (NVR)

Video Input	
IP Camera Input	8 Channel
Incoming Bandwidth	60 Mbps
Outgoing Bandwidth	60 Mbps
Video Output	
HDMI Output	1920×1080, 1440×900, 1280×1024
VGA Output	1920×1080, 1440×900, 1280×1024
Decoding Capacity	1920×1080, 1440×900, 1280×1024
Dual Stream	Support
Multi-screen Display	1/4/8/9
Recording	
Resolution	5MP, 4MP, 3MP, 1080P, 720P, D1 etc.
Recording Mode	Manual, Schedule (Regular, Continuous), Event
Trigger Event	Motion Detection, Video Loss, Alarm in, IVS

Playback and Backup

Sync Playback	9/4/1
Search Mode	Time /Date, Alarm, Picture grid, Event
Backup Mode	USB Device, Network
Network	
Interface	1 RJ-45 port (10/100 Mbps)
PoE	8 Ports (IEEE 802.3af), 48W
Network Function	HTTP, HTTPS, TCP/IP, IPv4, UPnP, UDP, RTSP, SMTP, NTP, DNS, DHCP, P2P, IP Filter, DDNS, 802.1X, SNMP, 3G/4G, PPPoE
Remote Users	8 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF, SDK, CGI

STORAGE

HDD	1 SATA Ports, up to 8TB for each HDD
Cloud Storage	Support
Interface	
Audio I/O	1ch Audio output
Alarm Input	N/A
Alarm Output	N/A
USB	2 ports (USB 2.0 × 2)
General	
Power Supply	DC48V/1.35A
Power Consumption	< 5 W (without HDD)
Storage Conditions	Less than 90% RH
Certifications	CE/FCC
Dimensions	255 × 237 × 47.5 mm (10.04 × 9.33 × 1.87 inch)
Net Weight	1 kg (2.2 lb) without HDD

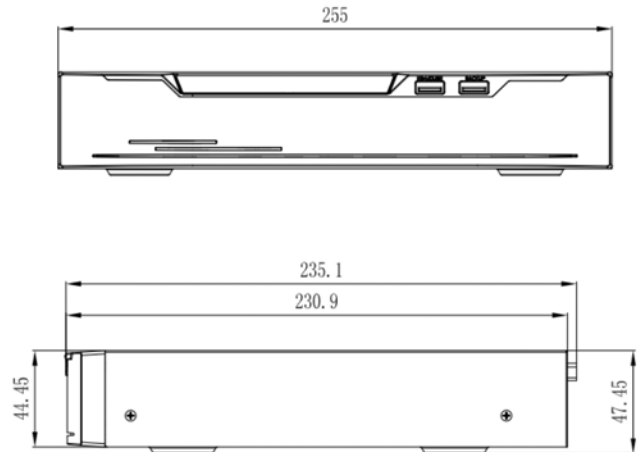
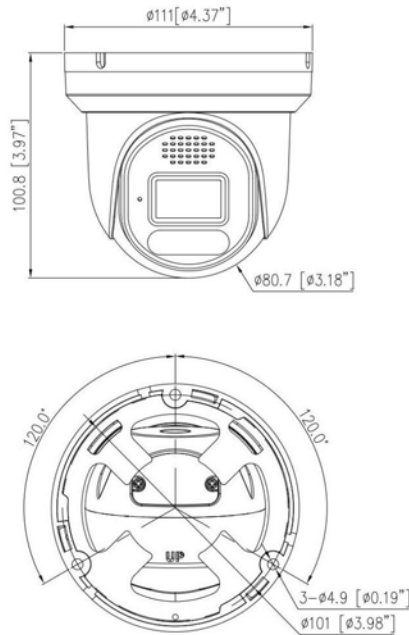
Data Sheet

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Dimensions



Accessories

Optional:



CENCBK646M

Junction box



CENCBK501

Wall Mount



CENCBK202A

Pendant Cap

Kit Includes

- 8CH NVR x 1
- 2TB WD Purple HDD x 1
- 5MP AI Turret x 4
- HDMI Cable x 1