



VN-BWCG9-C

Integrated Body-Worn Camera



System Overview

With ergonomic design, VN-BWC G9-C can be a good choice for collecting evidence for law-enforcement. It supports one press to start from 480P to 1080P with integrated video transmission platform providing a real-time recording, common operating picture, allowing live stream through command center.

Over-the-air high-resolution Image Retrieval: Up to 1080P over user-definable ares via high quality JPEG. Over-the-air archive retrieval. Support OSD English language.

Functions

Image Resolution & Video Transmission:

- Video Resolution from 480p to 1080p with integrated video transmission platform providing a real-time, common operating picture, allowing live streaming through the command center.
- Streaming of high quality, low latency, real-time video and audio with bandwidths as low as 9kbps to 2Mbps.
- Field proven live streaming at less than 100kbps in real world condition.
- Over-the-air high-resolution Image Retrieval: Up to 1080P over user-definable ares via high quality JPEG.
- Over-the-air archive retrieval.
- Live one button touch SOS alarms.

Features:

- Display: LCD: 2.4 inch TFT LCD, capative touch screen (240x320).
- Memory: 64 GB internal TF storage and support TF card up to 256 GB, RAM 4GB.
- Microphone: Built-in
- USB: USB Type-C
- Video Recording: Secure recording format with built-in encryption and watermarking of metadata.
- OSD language: English
- Battery: Lithium polymer battery(4.35V, 3200mAh), replaceable
- Ingress Protection: IP68
- Charging Mode: Charging with USB or vehicle DC 5V
- Supplied with harnesses, mounts and clips
- With access licenses, BWC can connect and integrate with CCTV Platform
- Support capturing facial images, comparing them against the watchlist via the CCTV platform, and receiving the comparison results
- Support a high-performance microphone capable of capturing clear human voices within a 10-meter range
- Support 2.0m unpackaged drop test with MIL-STD-810H
- Support EIS (Electronic Image Stabilization)
- Support vibration
- Support a dedicated button to mark important footage

Technical Specification

System

Operating System	Android 11.0
RAM	4 GB
Storage Capacity	64 GB

Screen

Screen Size	2.4"
Brightness	450 cd/m ²
Contrast	800:1
Resolution	240 (H) × 320 (V)
Screen Type	IPS
Touchscreen Type	Capacitive touchscreen

Camera

Max. Aperture	Rear camera: F2.0 Front camera: F2.2
Field of View	Rear camera: 2.45 mm Front camera: 2.23 mm: Rear camera: H: 125°; D: 146° Front camera: H: 80°; D: 82°
Focal Length	Rear camera: 2.45 mm Front camera: 2.23 mm
Focus Control	Rear camera: Fixed focal Front camera: Fixed focal
Image Stabilization	Electronic Image Stabilization (EIS)

Audio/Video

Video Compression	H.265;H.264
Video Format	DAV;MP4
Video Resolution/Frame Rate	Rear camera: 2688 × 1512@15 fps; 2560 × 1440@30/25/20/15 fps; 1920 × 1080@30/25/20/15 fps; 1280 × 720@30/25/20/15 fps; 864 × 480@30/25/20/15 fps Front camera: 1080 × 1920@30/25/20/15 fps; 720 × 1280@30/25/20/15 fps; 480 × 864@30/25/20/15 fps
Video Bit Rate	Main stream: 2688 × 1512@15 fps: 5M/7M/9Mbps 2560 × 1440@30 fps: 4M/6M/8Mbps 1920 × 1080@30 fps: 2M/4M (default)/6Mbps 1280 × 720@30 fps: 1M/2M/3Mbps 864 × 480@30 fps: 512K/1M/2Mbps Stream acquisition: 1920 × 1080@30/25/20/15 fps: 1.5M/2M/4Mbps 1280 × 720@30/25/20/15 fps: 1.5M/2M/3Mbps 864 × 480@30/25/20/15 fps: 768K/1M/2Mbps
Image Resolution	Supports up to 49 MP (9408 × 5292), and 34 MP, 16 MP, 4 MP and 0.4 MP can be set.
Image Encoding Format	JPG
Continuous Shots	Supports taking 2, 3, 5, and 10 continuous snapshots.
Video Packaging Time	Can be set as 5, 10, 20 or 30 minutes.
Pre-Record/Post-Record	Pre-recording time reaches 120 sec and post-recording reaches 600 sec.
Distortion Correction	Yes
IR Switching Mode	Supports the manual and auto modes (it is manual by default).
Max. IR Distance	Sees faces up to 5 m away and outlines up to 10 m away.
Day/Night Illumination	When the lighting falls below 1.8 lux, the device switches to B/W mode. When the lighting is above 12 lux, the device switches to Color mode.
Min. Illumination	0.0001 lux (B/W)
White Balance	Auto
LED Flashing Light	1
Audio Compression	G711a
Audio Sampling	8 kHz, 16 bit
Audio Format	WAV; DAV
Key Mark	Yes

Wireless Parameters

3G/4G Real-time Transmission:	TDD LTE: Band 38 (2570-2620M)/Band 39 (1880-1920M)/Band 40 (2300-2400M)/Band 41 (2496-2690M);FDD LTE: Band 1(UL: 1920-1980M, DL: 2110-2170M)/Band 3 (UL: 1710-1785M, DL: 1805-1880M) WCDMA: Band 1(UL: 1920-1980M, DL: 2110-2170M)/Band 2 (UL: 1850-1910M, DL: 1930-1990M)/Band 5 (UL:824-849M, DL: 869-894M)
Wi-Fi	802.11 a/b/g/n/ac, 2.4 G/5 G dual band
Bluetooth	Bluetooth 5.0
NFC	13.56 MHz; NFC Forum Type 1/2/3/4/5 tags; ISO/EC 15693
GPS Position	GPS, Galileo and GLONASS; Live GPS transmitted alongside video stream

Function

Security	Configuration encryption;Account lockout;Security logs;IP/MAC filtering;AES256 video encryption;AES256 file encryption
Voice Prompt	Supports voice broadcast prompts.
OSD Overlay	Time; user ID; device ID; latitude and longitude; task ID; custom 1; custom 2
Network Protocol	Private protocol (auto registration); RTSP; FTP
Shortcut Function	With the press of a button, it records videos and audios, takes pictures, turns on IR, sends alarm, performs PTT voice talk and flags files.
Face Detection	Yes
Face Comparison	Yes
ANPR	Yes

Port

USB	1 × Type-C USB 2.0 port
External Port	6-Pin metal port (connects through the Pogo Pin connector)

General

SIM Card Slot	2 × Nano SIM card slot
Microphone	2
Speaker	1, 1.5 W power
Button	Power on/off; flag files; record videos; take pictures; PTT voice talk; record audios; SOS; Fn custom; turn on/off IR
Indicator Light	1, 3-Color light indicates status and charging status
Sensor	Gyroscope; gravity acceleration sensor; photosensitive sensor; geomagnetic sensor
Battery Capacity	4.35V, 3200mAh
Battery Detachability	Yes
Charging	Charging with USB or vehicle DC 5V
Video Recording	1. Video recording time up to 13 hours 2. Secure recording format with built-in encryption and watermarking of metadata

Standby Time	168 hours
Charging Time	3 hours
Protection	The bare machine is IP68 rated, and received rigorous testing with four 2-meter drop tests.
Operating Temperature	-20 °C to +55 °C (-4 °F to +131 °F)
Operating Humidity	<95% (RH), non-condensing
Net Weight	183 g (0.40 lb) (battery included, without back clip)
Gross Weight	560 g (1.23 lb) (package included)
Product Dimensions	106 mm × 64 mm × 34 mm (4.17" × 2.52" × 1.34") (L × W × H)
Packaging Dimensions	167 mm × 138 mm × 64 mm (6.57" × 5.43" × 2.52") (L × W × H)

Installation

