

1. Customer & Supply Details

- **Customer:** Border Security Force (BSF), Ministry of Home Affairs
- **Supply Location:** BSF Force Headquarters, New Delhi (distribution across field units and operational zones)
- **Product Model:** SBWC-01 as per MHA QRs (V2)
- **Quantity Supplied:** 2,223 Units
- **Supply Objective:** To enhance operational transparency, accountability, and real-time monitoring during field operations and border security enforcement.



2. Product Overview & Key Features

The Sanchar Body Worn Camera (SBWC-01) is an advanced, rugged surveillance and accountability device designed for frontline personnel.

Key Features:

- **Ultra HD Video Recording** with resolutions up to 2540×1440 (30fps).
- **Wide-Angle Coverage:** 142° clear lens for maximum field of view.
- **Photo Capture:** Up to 40 Mega Pixel resolution with burst mode.
- **Night Vision:** IR support up to 15 meters with auto/manual switching.
- **Live Streaming:** 4G & Wi-Fi enabled for remote real-time monitoring.
- **GPS Enabled:** Integrated GPS for location tracking and watermarking.
- **LCD Display:** 2.0" color screen for on-device playback and review.
- **Battery Performance:** 3500mAh Li-ion battery, up to 14 hours continuous recording.
- **Storage Capacity:** Expandable options up to 256 GB.
- **Security & Integrity:** Password protection, watermarking (Device ID, Officer ID, GPS, time/date).
- **Durability:** IP-68 waterproof rating, drop-resistant up to 2 meters, operational temperature -40°C to +65°C.
- **Additional Features:** One-key alarm, one-touch audio/video recording, ability to capture photos while recording, talk-back communication, motion detection (optional), and laser/flash enabled functions.

3. Technical Implementation & Deployment

Bulk Delivery: Units were delivered to BSF Headquarters, with allocation across operational units.

Comprehensive Training Program: Conducted at BSF Institute of Communication & IT (BICIT), New Delhi for 261 personnel, covering:

- Camera operation and secure data handling
- Docking and data upload procedures
- Minor troubleshooting and maintenance

Strategic Deployment:

- Border outposts and sensitive locations
- Mobile patrol units and checkpoints
- Crowd-control and public order duties

Digital Integration: Cloud-enabled platform for secure video storage, retrieval, and real-time analysis.

4. Operational Impact

- **Transparency & Accountability:** Provided unbiased video evidence of field operations.
- **Enhanced Surveillance:** Supported real-time monitoring of sensitive border zones.
- **Operational Efficiency:** Improved command decision-making through live streaming.
- **Legal Compliance:** Secure video logs supported investigation and disciplinary processes.
- **Officer Safety:** Reduced conflict situations by deterring hostile actions during enforcement.

5. After-Sales Service & Performance Feedback

- **Service Framework:** Dedicated support via toll-free hotline, on-site servicing, and spare availability.
- **Warranty:** 3 years OEM warranty with assured spare parts for 5 years post-warranty.

User Feedback:

- Easy to wear and operate during long patrols
- Clear video and audio quality even in harsh field conditions
- Reliable long-duration recording with minimal downtime

6. Advantages Delivered to the Customer

- **Operational Readiness:** Strengthened BSF's ability to monitor, record, and analyze field operations.
- **Evidence Integrity:** Tamper-proof recordings improved credibility in legal and internal inquiries.
- **Cost Efficiency:** Rugged design and low-maintenance ensured long-term operational savings.
- **Enhanced Public Trust:** Transparent recording practices boosted confidence in BSF's enforcement activities.
- **Future-Proof Deployment:** Modern specifications ensured compliance with MHA QRs and scalability for future upgrades.

Conclusion:

The supply of 2,223 SCS Body Worn Cameras has significantly enhanced the Border Security Force's operational transparency, accountability, and situational awareness. By integrating cutting-edge technology with robust field support, Sanchar Wireless Communications continues to reinforce its role as a trusted technology partner for India's frontline security agencies.