

State of Connecticut Body Worn Camera Technical Committee

Minimal BWC Technical Specifications



BWC Device Minimal Specs		
Technical Specification	Minimal Requirement	Comments
Video/audio to record and export in a standard open format (both codec and container) such that it can be replayed in freely available software without processing or conversion	Yes	
Data Protection (device encryption)	Yes	
Camera Lux Rating	0.08 or higher	
Frames Per Second	30	
Minimum Video Resolution	720p or higher	H.264 / H.265 video compression
Onboard Storage Capacity	32GB or higher	
Horizontal Field of View	68 degrees	
Audio Sample Rate	44.1kHz or higher	Device clearly captures conversational speech at a distance of 3 feet on a calm day
Battery Run-Time (continuous use)	8 hours or longer	
Ingress Protection (IP) Rating	IP67	MIL-STD-810G
Operating Temperature	-4 to 120 degrees	
Power loss protection	Loss of power must not cause data loss or corruption	

Backend Storage Minimal Specs		
Technical Specification	Minimal Requirement	Comments
Operating System Compatibility	Windows 10 or newer	
Computer Connectivity	USB2, Mini USB, 802.11 or other industry standard for wired and wireless connectivity	
Audit Tracking capabilities (system logons, file views / copies / transfers, permission changes, etc)	Yes	
Role-based security for backend system	Yes	
BWC must have unique ID that can be assigned to officer badge number	Yes	
Original captured media file cannot be deleted or altered upon capture and upload to storage solution	Yes	
Ability to manage users, roles, and permissions to upload, view, download and other applicable operations	Yes	
Video/audio to record and export in a standard open format (both codec and container) such that it can be replayed in freely available software without processing or conversion	Yes	
Captured media must be searchable by camera device ID, officer name, badge number, date, time, and custom searchable fields	Yes	
Custom retention setup options	Yes	
Custom storage setup options	Yes	
Video playback on backend system	Yes	
Password Protected	Yes	
Data Protection (encrypted storage)	Yes	
Cloud Storage Security Standards		
- Compliance with current FBI CJIS Security Policy	Yes	
- Vendor prohibited from accessing BWC data directly	Yes	
- Automated video redaction capabilities	Yes	
- Audio redaction capabilities	Yes	
- Vendor required to return all BWC data to agency in standard format upon termination of hosting agreement	Yes	