

Multi Combat Helmet



Model: EG-BKK20-M

Colour: Black

Protection against: Riot attacks with cold weapons and splashing of corrosive chemical liquids

Overview

Multi Combat Helmet is a modular tactical protective helmet, providing an overall protection to the head, face, jaw, ears, carotid artery, and neck. Each module of helmet is detachable and can be quickly connected and disconnected to the helmet body.

Helmet components include:

- (1) Helmet main body
- (2) Visor (gradient lens or optional triple protection laser lens)
- (3) Jaw protector
- (4) Face shield
- (5) Ear protector
- (6) Side neck protector (for carotid artery protection)
- (7) Rear neck protector

Main Features

- ◆ 360°dynamic full protection:
 - compared with traditional static protection, dynamic protection takes account of scenario considerations of more realistic & actual combat
- ◆ Modular design:
 - compatible with different tactical operations and so to deal with complex scenarios. Users can set their own helmet depending on situation needs, from daily patrol or high level threats.
 - Design considers the overall form of helmet, basing the concept of high level protection, to convert the form into different modular parts which are detachable to the core of helmet thus to avoid weight unbalance on wearer's head.
 - The material, design, structure, buckle and other aspects of the module and the helmet body are considered in an overall way. Production in same standard and seamless integration can ensure the greatest level of quality control.
- ◆ Quick installation/uninstallation:
 - Modules can be connected/disconnected in seconds, quickly transforming helmet into various protective modes..

Multi Combat Helmet

Components



Helmet main body



Visor



Face Shield



Jaw protector



Ear protector



Side neck protector



Rear neck protector

Technical Specification:

◆ Helmet main body (Material):

- Outer shell: Polyamide (PA) + Fiber (Thickness: 4.5mm (+/-5%))
- Inner layer: Polypropylene (PP) Foam
- Suspension: Thermoplastic polyurethane (TRU) + Foam + Velvet
- Picatinny rail: Polyamide (PA) + Fiber
- Magnetic buckle: Polyamide (PA) + Neodymium magnet
- Protection area: Half head
- Weight: 890g (+/-5%)(including inner visor)
- Protection standard: comply with GA294-2012 Police Riot Helmet standard requirement

◆ Inner visor

- Material: 953a High Viscosity Anti-UV Polycarbonate
- Thickness: 1.8mm (+/-5%)
- Protection Area: 16,230 mm²
- Weight: 42 g (+/-5%)
- Light Transmittance: 88%
- Gradient Gray Time: 12s
- Gray to Transparent Time: 180s
- Feature: Visible light transmittance ≥88%
- Anti-UV: Gradient Gray (Discoloration transparent 35~88%)
- Internal anti-fog: Duration >30s
- External anti-scratch: Abrasion resistance index 6-7H
- Anti-collision: Withstand 4.9J kinetic energy impact
- Anti-shotgun: Withstand impact of 1g lead bullet at a speed of 190m/s

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Technical Specification (Cont'd):

◆ Face Shield

- Material: Bayer 6557 Polycarbonate (PC)
- Thickness: 3 mm (+/-5%)
- Weight: 262 g (+/-5%)
- Protection area: 37 mm²
- Feature: Visible light transmittance ≥90%
- Anti-fog, anti-impact, anti-scattershot
- Internal anti-fog: Duration > 30s
- External anti-scratch: Abrasion resistance index 6-7H
- Protective standard: comply with GA294-2012 Police Riot Helmet standard requirement

◆ Jaw / Ear / Side Neck / Rear Neck Protector

- Material of Buckle: Polyoxymethylene (POM)
- Material of Frame: Polyamide (PA) + Fiber
- Material of Metallic: 304 Stainless Steel Mesh
- Thickness: 5.2MM (+/-5%)
- Weight: 200 g (+/-5%)
- Material of Link Rivet: 304 Stainless Steel Mesh
- The inner and outer metal mesh are integrally formed, durable, impact-resistant, resistant to sticks, stones, breathable, and does not affect breathing.

