

PRODUCT SPECIFICATION SHEET — M02-X

High-Definition Camera & Multimodal AI Smart Eyewear for Global B2B / OEM / ODM

1. Commercial Product Identification (SKU Matrix)

SKU Number	Model	Frame Finish	Lens Type	Target Market / Category
ETP-M02X-BLK-PH	M02-X	High-Gloss Black	Photochromic Lenses	All-Day Indoor/Outdoor AI Eyewear
ETP-M02X-BLK-SUN	M02-X	High-Gloss Black	UV400 Polarized Sunglass	Outdoor / Sports / Travel Smart Wear
ETP-M02X-BLK-CLR	M02-X	High-Gloss Black	Anti-Blue Light Clear	Office / Productivity / Translation

2. Technical Specifications & Hardware Architecture

Category	Specification Item	Detailed Technical Parameters
Structure & Design	Frame Material	ABS+PC High-gloss spray finish
	Temple Material	ABS+PC High-gloss spray finish
	Lens Options	PC Material: Photochromic / UV400 Sunglass / Clear Anti-Blue Light
	Camera Lens	High-transmittance Optical Glass Lens
	Physical Controls	2x Premium Aluminum Alloy Tactile Buttons + Touch Swipe Zone
	Charging Case Material	ABS+PC Durable Protective Case
Dimensions & Weight	Frame Dimensions	Frame Width: 152mm Lens Height: 55mm Temple Length: 155mm
	Net Weight (Glasses)	54g (Ultra-lightweight ergonomic wear)
	Package Dimensions	182 * 78 * 88 mm (Single Retail Unit Box)
	Single Unit Gross Weight	499g (Includes glasses, charging case, cable, user manual)
	Export Carton Specs	25 PCS / Carton Carton Weight: 13.4 kg
Hardware & Optics	Main System SoC	JL7018F6 High-Efficiency Processor + V821 Supporting Coprocessor
	Operating System	Dual OS Arch: RTOS (Ultra-low latency audio) + Linux (AI & Imaging)
	Wireless Connectivity	Dual Mode: Bluetooth V5.3 (10-15m range) + Wi-Fi 4 (High-speed video transfer)
	Storage / Memory	4GB SD NAND Flash On-board Memory
	Camera Sensor	Sony IMX219 (8MP High-Resolution Sensor)
	Capture & Video Specs	Photos: Up to 30MP interpolated Video: 1200P HD Recording (Max 12 min/clip)
	Image Stabilization	EIS + OIS Dual Anti-Jitter Algorithm
	Flash & Status LED	Front Fill LED Flash + 1 Red BT Indicator + 4 Blue Power LEDs
	Acoustic Hardware	Dual Silicon Mics (Noise Reduction) + Dual 1609 Open-Ear Speakers (0.15W, 16Ω)

Power & Battery	Glasses Battery	3.8V 290mAh High-density Lithium-ion Polymer (Model 481048)
	Smart Charging Case	3.7V 3600mAh Large Capacity (Model 752575-2P)
	Reverse Charging Feature	Supports Power Bank function to charge external mobile phones
	Battery Life / Runtime	Music Playback: 6–7 Hours Continuous Video Recording: ~50 Minutes
	Charging Duration	Glasses: ~1.5 Hours Charging Case: ~6 Hours
AI Ecosystem & Features	Companion App	OneAI Glass (Supports Android 8.0+ & iOS 13.0+, OTA Wireless Updates)
	Voice Activation	Hands-free "Hey Jack" wake word & hardware quick-button trigger
	AI Voice Assistant	Integrated Google AI Engine for conversational Q&A; and search
	Multimodal AI Vision	Visual Object Recognition, Scene Understanding via Voice Command or Shortcut
	Real-Time Translation	Microsoft AI Translation Engine: 40+ Languages Simultaneous Interpretation & Dialogue Translation
	Productivity Tools	AI Meeting Minutes & Speech-to-Text Automatic Summarization
	Smart Wear Detection	In-ear/On-head proximity detection (Auto-pause music upon removal)

3. OEM / ODM Customization & B2B Supply Capability

Factory OEM / ODM Customization Services	
• Custom Branding & Logo: Laser engraving on frames/temples, customized boot splash screen, customized app UI branding. • Lens Customization: Polarization level customization, prescription lens fitting, anti-blue ray coating options. • Packaging & Accessories: Customized retail gift boxes, customized protective leather cases, branded cleaning cloths. • Software SDK & API Integration: Enterprise API hooks for custom LLM backends, private Cloud translation services, corporate security compliance. • Certification Support: CE, FCC, RoHS, Telec, BQB compliance test reports available for global customs clearance.	