

FEICON BATIMAT 2026: YOUNUO IET to Debut Next-Gen Smart Access Control with INMETRO Certification

SHENZHEN, GUANGDONG, CHINA, September 9, 2026 /EINPresswire.com/ -- SÃO PAULO, Brazil — At the upcoming FEICON BATIMAT 2026 exhibition, scheduled from April 7 to 10 at the São Paulo Expo exhibition center, international building contractors, security integrators, real estate developers, and hardware distributors will gather to explore the latest innovations shaping South America's construction sector. As the largest international construction trade show in Latin America, FEICON BATIMAT serves as the premier launchpad for architectural entry systems engineered for regional building standards. Taking center stage at booth G283, the [next-generation smart access control solutions debuting at FEICON 2026](#) will showcase full compliance with Brazil's official INMETRO mechanical safety

certification standards. The exhibition highlights how certified biometric hardware, automated mortise locks, and multi-protocol connectivity address the growing demand for secure entrance hardware across residential and commercial developments, offering regional buyers reliable OEM and ODM manufacturing partnerships.

High-Profile Product Debuts: The YN-ID-N012 and YN-DL-H002-H Platforms

The product lineup at booth G283 will feature two flagship smart access platforms engineered for modern residential and commercial entryways. Leading the showcase is the [YN-ID-N012 smart lock](#), released on April 2, 2025, which represents the latest one-touch handle lock architecture. Designed for intuitive operation, the YN-ID-N012 integrates a semiconductor



fingerprint sensor directly into the door handle pivot, allowing users to verify credentials and unlatch the door in a single fluid motion. This ergonomic design pairs high-speed fingerprint verification under 0.5 seconds with heavy-duty mortise construction, establishing a new operational standard for multi-family apartment doors and high-density residential developments. The handle mechanism incorporates reinforced internal springs and anti-sag clutch architecture to maintain long-term physical alignment across thousands of daily door operations.



Alongside the handle platform, the engineering team will unveil the [YN-DL-H002-H 3D Face Recognition Fully Automatic Smart Lock](#), released on May 21, 2025. Engineered as a high-security flagship for luxury residences, gated communities, and corporate offices, the YN-DL-H002-H utilizes 3D structured light depth scanning to map facial contours in real time. The live scanning sensor operates reliably in low-light and bright sunlight conditions while preventing spoofing attempts using high-resolution photographs, video playbacks, or 3D masks. Upon successful biometric identification, an integrated high-torque motor automatically retracts the solid mortise deadbolts, delivering a completely contactless entry experience.

Regulatory Compliance Advantage: Official INMETRO and ANATEL Certifications

A central highlight of the FEICON 2026 showcase is the official compliance documentation accompanying the hardware lineup. To enter the Brazilian market legally, electronic access hardware must satisfy stringent mechanical and telecommunication requirements. The debuting smart lock series holds official INMETRO (Instituto Nacional de Metrologia, Qualidade e Tecnologia) certification, confirming that mortise assemblies, latchbolts, and lock cylinders satisfy rigorous mechanical impact resistance, latch torque thresholds, and physical anti-intrusion benchmarks. Each certified lock mortise undergoes mechanical fatigue testing exceeding 150,000 continuous operation cycles before receiving final approval, ensuring maximum structural durability for high-traffic buildings.

In addition to INMETRO mechanical testing, all wireless models feature ANATEL (Agencia Nacional de Telecomunicacoes) homologation. ANATEL certification verifies that embedded Bluetooth Low Energy and Wi-Fi modules operate within permitted 2.4 GHz radio frequency parameters, preventing interference with localized telecom networks. This pre-certified compliance framework ensures that Brazilian building contractors, property developers, and hardware importers clear customs at local ports without regulatory delays or administrative friction, accelerating project commissioning across commercial sites.

Established Brazilian Brand Partnerships and Engineering Backing

The upcoming exhibition presence reflects a deep commitment to the South American market, supported by established local partnerships and robust manufacturing infrastructure. YOUNUO IET maintains active ODM and OEM manufacturing collaborations with major Brazilian brands, including an ODM partnership with tech and security brand Elsys, and an OEM distribution partnership with Taschibra. Additionally, senior executives from major South American security brands, such as Soprano, conducted an official factory visit on July 6, 2026, inspecting production lines and evaluating customized mortise options for regional project rollouts. These established commercial relationships demonstrate the factory's capacity to deliver localized hardware configurations.

The enterprise operates an ISO 9001 certified production facility spanning 4,200 square meters in Shenzhen, equipped with automated Surface Mount Technology (SMT) assembly lines and a 7-stage quality control workflow. Incoming component defect rates are maintained at or below 0.8%, while final outgoing quality control (OQC) achieves a delivery pass rate of 99.7%. All circuit board modules receive three-proof conformal coatings to resist tropical humidity and coastal salt spray, while drive motors undergo lifecycle testing exceeding 150,000 continuous operation cycles. This manufacturing backing supports international certifications, including CE, FCC, EAC, and EN18031 cybersecurity standards, providing complete regulatory verification and long-term technical assurance for Latin American distributors.

Operational Advantage of Pre-Certified Access Solutions

Deploying a pre-certified INMETRO and ANATEL smart access platform ensures that regional building contractors and brand distributors accelerate project commissioning and clear customs without delay, streamlining market entry compared to importing uncertified hardware assemblies where managing separate component approvals across unverified vendors introduces administrative and technical bottlenecks. This integrated compliance model provides Latin American partners with verifiable structural durability, certified radio frequency safety, and dependable long-term technical support. By selecting factory-certified access hardware platforms, commercial developers eliminate post-installation failure risks, reduce multi-unit warranty overhead, simplify post-sale technical servicing, and protect overall brand reputation across South American housing developments and commercial projects.

Conclusion and Exhibition Invitation

The upcoming debut at FEICON BATIMAT 2026 marks a key milestone in expanding certified architectural access hardware across South America. By combining INMETRO mechanical certification, ANATEL radio homologation, 3D facial recognition, and ergonomic handle design, the new product lineup offers a reliable foundation for regional building developments. International sales engineers and technical representatives warmly invite building contractors, security integrators, real estate developers, and brand owners to visit booth G283 at São Paulo Expo from April 7 to 10, 2026, to experience live product demonstrations, review Portuguese technical documentation, inspect physical mortise samples, and discuss custom OEM/ODM collaboration opportunities. Through continuous hardware innovation and dedicated regional support, the enterprise continues to solidify its role as a trusted manufacturing partner for Latin American security and building developments, driving long-term mutual success.

For complete product catalogs, technical datasheets, and custom project inquiries, please visit the official company website at <https://www.younuoiet.com>. To consult with our engineering representatives regarding regional hardware specifications or OEM/ODM manufacturing partnerships, contact our technical sales department directly through the online inquiry system.

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