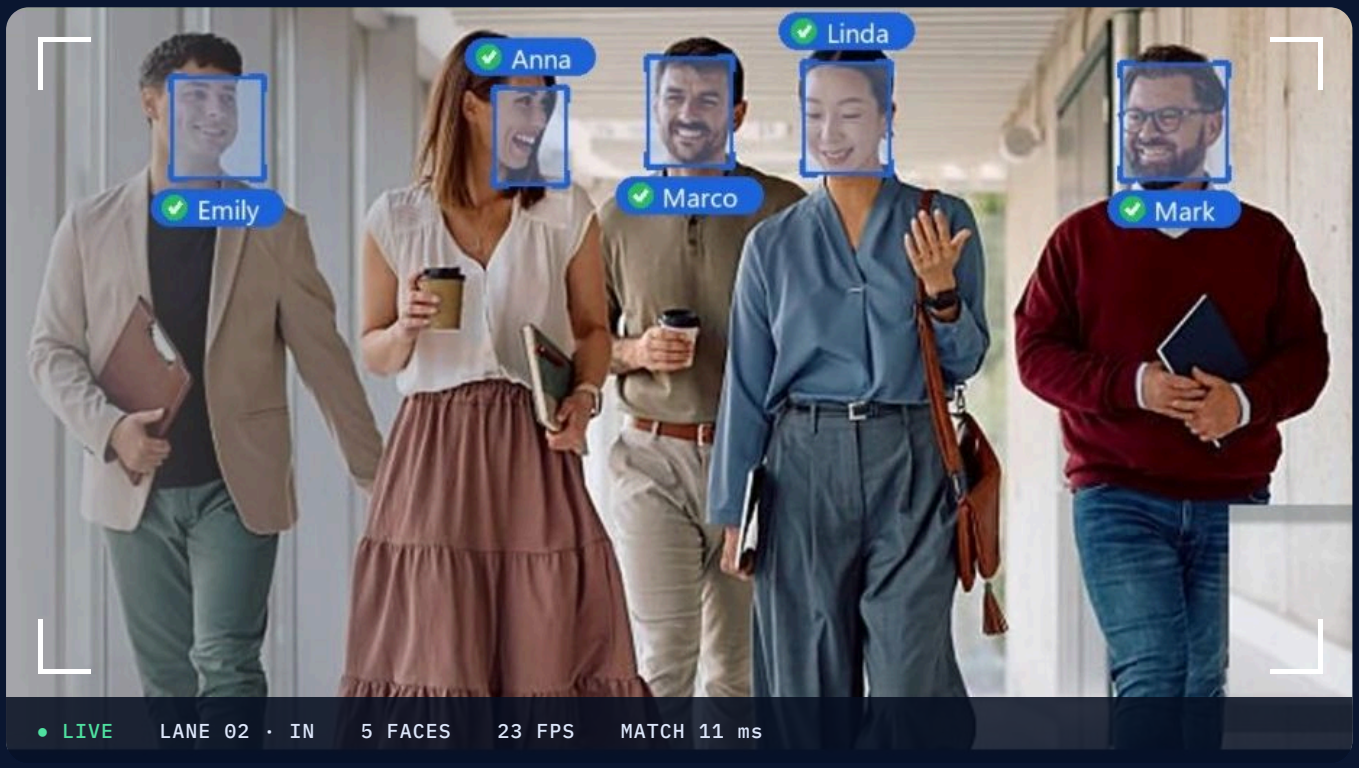
X200 · 5MP CCTV GATE ATTENDANCE CAMERA

Long queues at the gate end here.

Mount one X200 above an entrance or gate lane. It recognises staff by face while they keep walking. No stopping, no aiming at a screen, no queue at shift change.



20–30
people clocked in at once, up to 50 faces per frame

1–8 m
recognition distance, day and night

99.5%
accuracy, running fully offline

IP66
rated for –30 °C to 60 °C

Multi-person recognition
Detects many faces in one frame, so the gate never becomes a bottleneck.

Touchless walk-through
No need to stop, tap or face a device. Staff clock in at walking pace.

No more queues
Hundreds of staff clear one checkpoint in minutes at shift change.

Works offline
Recognition, lists and 100,000 records stay on the camera.

THE PROBLEM

Most face attendance devices still make people stop. The X200 doesn't.

A stop-and-look terminal serves one person at a time, so every shift change turns into a line. The X200 reads the whole crowd as it moves.

STOP-AND-LOOK TERMINAL

One person, one pause, one queue

- Each person stops, faces the device and waits for a beep
- Fingerprint readers wear out and are a shared touch surface
- Cards and PINs get lost, lent and forgotten
- More staff means buying more terminals

X200 WALK-THROUGH CAMERA

Everyone recognised in stride

- ✓ No stopping, no lining up, no badge
- ✓ 1–8 m range, up to 30 faces checking in or out together
- ✓ Millisecond response, so gates don't back up
- ✓ One camera can replace several card or fingerprint terminals

CCTV GATE ATTENDANCE

How it works

01

Enrol once

Add each employee's photo and name to the 50,000-face library, or push the list from your HR system through the API.

02

Walk through

Staff keep walking. Up to 30 faces are recognised in one frame from 1–8 m away, day or night.

03

IN / OUT logged

Each pass is saved with name, time, direction and a face snapshot. 100,000 records stay on the camera.

04

Synced and alerted

Records push live to HRMS, payroll or access control. Strangers, blacklisted people and tailgating trigger alarms.

Ends buddy punching

A card or PIN can be lent to a friend. A face cannot. Every record has a snapshot, so proxy attendance shows up straight away.

Fits your CCTV network

ONVIF and GB28181 support lets the X200 join most NVRs and video management systems like any IP camera.

Face data stays on site

Recognition runs on the camera itself with no cloud service, and attendance keeps working when the internet is down.

Built for shift change

Hundreds of staff clear one checkpoint in minutes at walking speed instead of queuing at terminals.

FOR INTEGRATORS AND RESELLERS

Gate congestion disappears

Hundreds of staff clear one checkpoint in minutes. Shift change stops costing paid time.

Fewer devices to maintain

One camera replaces several terminals. No worn readers, no lost cards, no algorithm fees.

More value per project

White, black and VIP lists, stranger and tailgating alarms, and real-time push into your own software.

X200 SPECIFICATIONS

Built for busy gates and harsh entrances

A rugged 5MP bullet camera with face recognition, lists, alarms and storage built in. It works on its own, with or without a server.



Capacity

People at once	20–30
Faces per frame	up to 50
Frame rate	> 20 fps
Response	milliseconds

Range and light

Recognition distance	1–8 m
Best capture zone	5–8 m
Min. illumination	0.001 lux
Night	IR fill light

On-device, offline

Face library	50,000
Stored records	100,000
Accuracy	99.5%
Internet needed	no

Integration

Video	ONVIF · GB28181
Data push	HTTP · MQTT · WS
Developer	open SDK · API
Outputs	relay · audio

Lists and alarms

Lists	white · black · VIP
Strangers	tagged + alarm
Tailgating	alarm
Direction	IN / OUT

Hardware

Sensor	5 MP
Enclosure	IP66
Operating temp.	−30 to 60 °C
Mounting	above gate lane



PC management client, live view. Recognised staff appear on the right, captured faces along the bottom.

INTEGRATION

Test it on a PC. Connect it to your own platform.

- ✓ PC test client for evaluation
- ✓ Full API documentation and open SDK
- ✓ Real-time push with name, time, direction and snapshot
- ✓ Relay output for gates, turnstiles and doors
- ✓ Audio output for greetings and alerts
- ✓ OEM branding supported

ONVIF · GB28181 · HTTP · MQTT · WebSocket · SDK

One-time purchase

Lifetime licence with no yearly or algorithm fees. OEM supported for distributors and system integrators.

HOSPITALS AND CLINICS

No queues between shifts. No one in a restricted area who shouldn't be.

Fingerprint terminals fail a hospital twice: staff stop, touch a shared surface and wait in line. In an OR corridor that delay is a safety problem, not only an efficiency one.



Touchless staff attendance

Doctors, nurses and support staff walk past at shift change. Up to 30 recognised in one frame, with no shared terminal and no cross-contamination.

Restricted-area access

OR, ICU, pharmacy and server room doors open only for enrolled staff. Every entry logs name, time, IN/OUT and a face snapshot.

Audit-ready logs

100,000 records on the device, pushed to your access-control or HR platform over HTTP, MQTT or WebSocket.

Made for institutions

IP66 housing and night vision for after-hours corridors, service doors and outdoor entrances.

OR CORRIDOR · EAST · ACCESS LOG — SAMPLE DATA

TIME	NAME	DIR	RESULT
02:04:12	A. Rahman, RN	IN	Granted
02:06:47	Dr L. Chen	IN	Granted
02:06:48	Unknown visitor	IN	Tailgate alarm
02:11:30	M. Tan, porter	IN	Not enrolled

When a regulator asks who was in the OR corridor at 2 AM, you have the answer in seconds.

TYPICAL DEPLOYMENTS

FACTORIES
Shift gates
Hundreds of workers through one checkpoint.

CONSTRUCTION
Site entrances
IP66 attendance in dust and heat.

CAMPUSES
Schools and offices
Check-in walking past, with stranger alerts. See page 5.

LOGISTICS
Parks and warehouses
Visitors, VIP and blacklist alerts.

SMART SCHOOL ACCESS CONTROL

Students walk in. Attendance is done.

The morning bell brings hundreds of students through one gate in a few minutes. Card readers and fingerprint terminals turn that into a queue. The X200 identifies students by face as they walk through, so the rush keeps moving and every arrival is recorded.



30 students in one shot

Up to 30 faces captured together at 5–8 m while children keep walking, so the 7:30 rush never turns into a line.

No cards, nothing to touch

Nothing for students to lose, forget or lend, and no shared fingerprint reader for small hands.

Safer school gates

Anyone not enrolled triggers a stranger alarm at the gate. Every arrival is logged with time, direction and a face snapshot.

Runs on its own

Algorithm and processor on board: no extra server to buy, host or maintain. Records can be sent to your school system or parent app.

MAIN GATE · ARRIVALS — SAMPLE DATA

TIME	NAME	CLASS	RESULT
07:21:04	Nur Aisyah	4 Bestari	On time
07:21:04	Tan Wei Jie	5 Cemerlang	On time
07:21:05	Arjun Kumar	3 Gemilang	On time
07:24:51	Unknown adult	–	Stranger alarm
07:41:18	Lim Mei Ling	6 Bestari	Late

TYPICAL SCHOOL SETUP

1 pair

For a school with one busy entrance and exit, a single pair of X200 units (one facing in, one facing out) typically covers the full doorway.

- ✓ IP66 outdoor rated for open school gates
- ✓ Handles mild backlight: glass doors, west-facing gates
- ✓ IR and auto fill light for dark early mornings
- ✓ 50,000 faces and 100,000 records stored on the camera

LIVE DEMO OR SAMPLE UNIT

See your own gate clear in minutes

Tell us about your site and how many people arrive at peak. We'll set up a live demo or send a sample unit for evaluation.

SUPPLIED, INSTALLED AND SUPPORTED BY

Agile Solution Sdn Bhd

Company registration no. 200301028421

Attendance, door access and face recognition systems for Malaysian businesses. Local people, real support.

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WHATSAPP US

012-203 7670

Scan to chat about pricing, OEM terms or a site survey.

PRODUCT PAGE

eattendance.agile.my/x200

Specs, FAQ, hospital and school use cases, enquiry form.

Installation

Professional site survey and setup by our experienced team.

Training

Hands-on training for your HR, security and IT staff.

Support

Ongoing support from our KL and Batu Pahat offices.

HOW TO GET STARTED

01
Contact us

WhatsApp 012-203 7670 or call either office with your headcount and number of gates.

02
Live demo or survey

We show the X200 recognising a walking crowd and check your gate lanes and mounting points.

03
Sample unit and install

Evaluate a sample unit with the PC test client, then we install, connect and train your team.

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