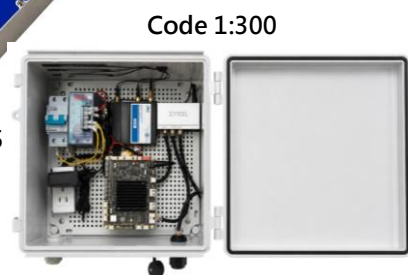


[Features]

- Built-in Cortex-A72 octa-core processor with a 6 TOPS NPU — ample compute for real-time on-site AI video recognition
- AI inference runs locally in real time, unaffected by cloud network latency
- Web-based control console; easy to review alarm logs and set recognition parameters
- Connects to existing IP cameras (RTSP stream); no need to replace on-site cameras
- Video is processed on-site, lowering bandwidth demand while safeguarding data privacy
- Industrial-grade hardware, supporting 24-hour continuous operation



Code 1:175



Code 1:300

[Applications] Construction sites, quarries, parking lots, road traffic, plant entrances, and aquaculture farms

[Model Selection] AIM-Code 1

Code 1	Description
N	Bare board (no enclosure; integrable into an IEC enclosure)
175	PCW175 waterproof enclosure, 252 × 175 × 60 mm (W×H×D, same as CB enclosure)
300	Waterproof enclosure 300, 300 × 300 × 180 mm (W×H×D, ref. IEC-H enclosure)

[Specifications]

Power Input	DC 12V / 2A (accepts DC 9~26V)
Power Consumption	Approx. 10W (varies with AI load)
Operating Temp.	-20°C ~ 60°C
Processor	Quad Cortex-A72 + Quad Cortex-A53, ≤2.2GHz
AI Compute Unit	Dedicated NPU, 6 TOPS; INT4/8/16, FP16, BF16 mixed
Memory	DDR4 8GB
Storage	eMMC 64GB (64G USB included)
OS	Dedicated Linux OS
Video Input	IP cameras via network (RTSP); built-in HW decoding
Video Output	Recognition results streamed via RTMP; viewable with JNC WEE
Network Interface	10/100/1000M auto-sensing Gigabit Ethernet ×1
Recording/Snapshot	To external USB for recording and snapshot storage

[Architecture]

