

RISE SERIES SMART IOT MODULE ROADMAP

Edge Computing
Smart Cameras
Autonomous
Vehicles

Edge Computing
Automotive
Industrial Robot
Digital Signage

Edge Computing
Retail
Agritech
Security
Surveillance

Industrial
Automation
Smart City
Healthcare
Robotics

Automotive
Retail
Health Care
Robotics

Automotive
Retail
Health Care
Robotics

Automotive
Retail
Health Care
Robotics

RISE Z1
CPU 8 Core
DSP 4 Core
NPU 48 Tops
GPU 719 MHz
ISP Triple (108MP)



Drones Real-time Object Tracking
Military Low Light Camera Vision
Defense Environment Monitoring

RISE X4
CPU 8 Core
DSP 2 Core
NPU 12 Tops
GPU 812 MHz
ISP Triple (58MP)



Automotive Pedestrian Detection, Multi-Class Vehicle Detection
Smart Infra Real-time Incident Detection, Over Speed Detection
Healthcare SPO2, Heart Rate, Blood Pressure, Bilirubin

RISE X3
CPU 8 Core
DSP 2 Core
NPU 8 Tops
GPU 550 MHz
ISP Triple (58MP)



Surveillance Face Recognition, Gun Detection, Tailgating
Automotive Lane Departure, Blind Spot, Seat Belt
Agritech Crop Health, Soil Analysis

RISE X2
CPU 8 Core
DSP 2 Core
NPU 5 Tops
GPU 315 MHz
ISP Dual (44MP)



Industrial IoT PPE Compliance, Product Assembly QC
Smart City Signal-Light Violation Alerts, Light Traffic Analytics, ANPR
Healthcare Fall Detection, Patient Monitoring

RISE X1
CPU 8 Core
DSP 2 Core
NPU 3.5 TOPS
GPU 315 MHz
ISP Dual (44MP)



Automotive Driver Drowsiness, Blink Detection, Forward Collision
Retail Smart Shelf Stock Alerts, Heatmap
Healthcare Basic Mask Detection, rPPG HR Estimation

RISE Y1
CPU 8 Core
DSP 2 Core
NPU 2 TOPS
GPU 950 MHz
ISP Dual (25MP)



Automotive Driver Drowsiness, Blink Detection, Forward Collision
Retail Smart Shelf Stock Alerts, Heatmap
Healthcare Basic Mask Detection, rPPG HR Estimation

RISE C1
CPU 8 Core
DSP Hexagon™
NPU 1 TOPS
GPU 950 MHz
ISP Dual (16+24)



Automotive Driver Drowsiness, Blink Detection, Forward Collision
Retail Smart Shelf Stock Alerts, Heatmap
Healthcare Basic Mask Detection, rPPG HR Estimation

1 TOPS
QCM 6125

2 TOPS
QCS SM6225

3.5 TOPS
QCS 5430

5 TOPS
QCS 5430

8 TOPS
QCS 5430

12 TOPS
QCS 6490

48 TOPS
QCS 8550

RISE C1 SERIES MODULE ROADMAP

Automotive
Legal & Insurance
Safety & Security
Analytics & AI
Fleet & Logistics

Automotive
Robotics & Machinery
Process Control

Healthcare
Traffic Cam
Industrial & Field Work
Transportation

Industrial Automation
Smart City
Security
Smart Hotel

Automotive
Security
Robotics

Dashcam
CPU 8 Core
DSP Hexagon™
NPU 1.1 TOPS
GPU 950 MHz
ISP Dual(16+24)



Automotive Surveillance
Legal Evidence, Verification
AI Analysis, Prediction

HMI
CPU 8 Core
DSP Hexagon™
NPU 1.1 TOPS
GPU 950 MHz
ISP Dual(16+24)



Automotive Navigation, Infotainment, Telematics
Robotics & Machinery Command, Calibration, Execution
Process Control Supervision, Feedback, Alarm

Body Camera
CPU 8 Core
DSP Hexagon™
NPU 1.1 TOPS
GPU 950 MHz
ISP Dual(16+24)



Traffic Cam Vehicle tracking, Car Accident Witness, Evidence
Healthcare Monitoring, Protection, Triage
Industrial & Field work Inspection, Auditing, Repair
Transportation Navigation, Validation

LTE Camera
CPU 8 Core
DSP Hexagon™
NPU 1.1 TOPS
GPU 950 MHz
ISP Dual(16+24)



Industrial IoT PPE Compliance, Product Assembly QC
Smart City Signal-Light Violation Alerts, Light Traffic Analytics, ANPR
Healthcare Fall Detection, Patient Monitoring
Security Theft Alert, Home Surveillance

RISE C1
CPU 8 Core
DSP Hexagon™
NPU 1.1 TOPS
GPU 950 MHz
ISP Dual(16+24)



Automotive Driver Drowsiness, Blink Detection, Forward Collision, Car Accident Witness
Security Home Surveillance, Alarms

RISE C1

LTE CAMERA

BODY CAMERA

HMI

DASH CAMERA