Corporate Culture

MISSION
Co-creating a smarter future across industries through innovative AIoT vision systems.

VISION
To become a global leader in AIoT vision system solutions.

VALUES

Customer
Putting customers first by providing tailored solutions and services.

Agility
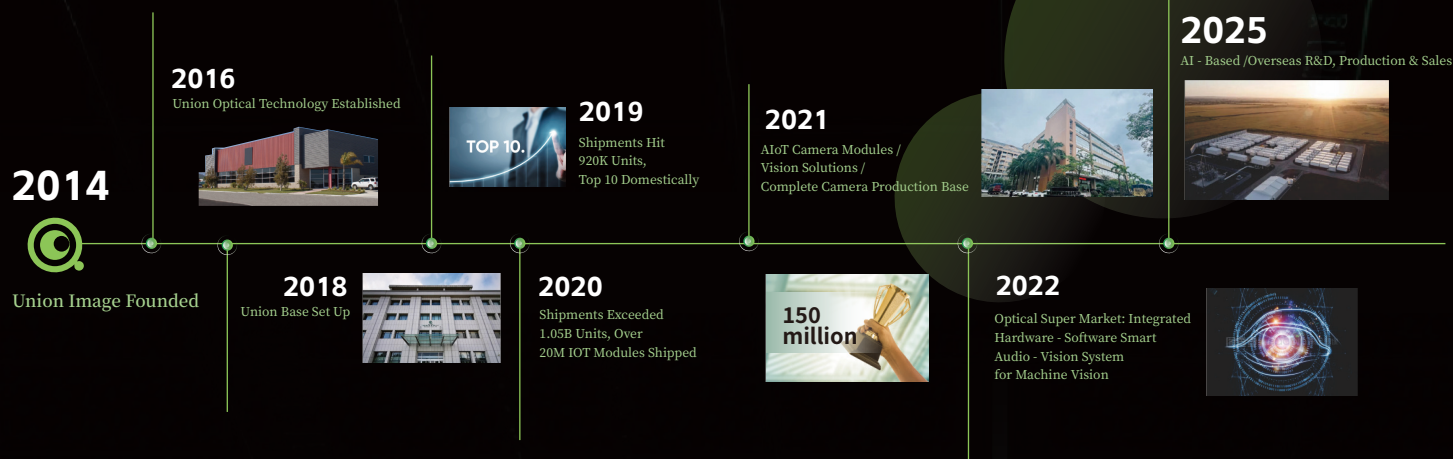Continuous learning, efficient collaboration, and mission-focused execution.

Responsibility
Putting customers first by providing tailored solutions and services.

Value
Guided by value creation, pursuing excellence and sustainable growth.

>> Company Development History

2014
Union Image Founded

2016
Union Optical Technology Established

2018
Union Base Set Up

2019
Shipments Hit 920K Units, Top 10 Domestically

2020
Shipments Exceeded 1.05B Units, Over 20M IOT Modules Shipped

2021
AIoT Camera Modules / Vision Solutions / Complete Camera Production Base

2022
Optical Super Market: Integrated Hardware - Software Smart Audio - Vision System for Machine Vision

150 million

2025
AI - Based /Overseas R&D, Production & Sales

Company Introduction

Union Image is a platform-based technology company with vision as its core capability. We deliver end-to-end products and solutions ranging from camera modules and vision systems to complete imaging devices. Through POC Studio, we rapidly validate and bring AI-era ideas into real-world applications.

We are turning vision into the infrastructure that enables AI to enter the physical world—empowering industries worldwide with smarter solutions and making Vision for All a reality.

Core Capabilities

Optical Design >>> Hardware–Software Co-Design >>> Image Tuning >>>

Algorithm Customization >>> Intelligent Manufacturing >>> Mass Production

Continuously Built Vision System Knowledge Base

POC Studio | Validated POC Delivery in 3 Weeks

VISION FOR ALL

>> Company Premises

COB - AA Workshop

Headquarters

SMT Production Line

Reliability Laboratory

Optical Laboratory

>> Awards & Certificates

深圳市联合光学技术有限公司
获评2021年
深圳市专精特新中小企业

Certificate
Red Dot Winner 2022
TV Camera

认证证书

Certificate of Registration

高新技术企业证书

认证证书

TikTok
ID:Union Image

YouTube
ID:Union Image

X
ID:Union Image

LinkedIn
ID:Union Image

Union Image Co., Ltd

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Web:www.unionimage.com

◉ Depth Camera Series

////// Depth cameras allow machines to perceive distance, shape and space —turning vision into real-world understanding.

RGB&TOF
Pulse-I200u

Stereo Depth Camera
Eagle-B200u

Short-Range Stereo Depth Camera
Eagle-B100u

Structured Light Depth Camera
Prism-S100u

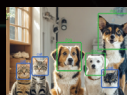Interfaces: USB / Ethernet / GMSL2 + FAKRA

◉ Edge Camera Series

Unimage Pi

Unimage Pi includes models B2/A1/A5, with dual C906 RISC - V CPUs, a 200W HDR sensor, and a compact size of 32mm×32mm. Equipped with a high - performance TPU, it supports 9 major AI detections such as safety helmets, human faces, and license plates. The model is lightweight, with short latency and high accuracy, suitable for multiple scenarios.

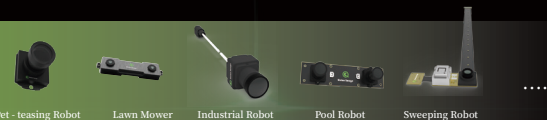Face Recognition | Facial Expression Recognition | Mask Detection | Gesture Recognition | Pedestrian Detection

Safety Helmet Detection | Cat/Dog Recognition | License Plate Recognition | Pose Detection

>> Camera Modules

Robotics
Pet - teasing Robot | Lawn Mower | Industrial Robot | Pool Robot | Sweeping Robot | ......

AI Wearables
AI Glasses | AR | VR | Headphones
Smart Watch | Helmet | ......

Smart Home
3D Printer | Refrigerator | Carving Machine | Video Conference | Coffee Machine | Oven
Doorbell | Smart Lock | Washing Machine | Range Hood | ......

Smart Business
QR Code Module | Barcode Scan Engine | New Retail | Mobile Payment | Automatic Billing

Smart Imaging
Drone Obstacle Avoidance | Drone Main Camera | Action Camera Wide - Angle | Action Camera Panoramic
Live Broadcast Camera | Live Broadcast Camera 48M | Video Conference | ......

MORE......

>> Complete

Live Camera | Dash Cam | Palm Door Lock | Video Doorbell | QR Scanner | Panoramic Camera

Hunting Camera | Video Conferencing | Security Camera | Fitness Posture Detection Camera | Astronomical Camera | Action Camera

Union Image

AIoT
VISION SYSTEM PROVIDER

Union Image

POC Studio
Camera Module
Depth Camera Series
Edge Camera
Complete Devices

VISION FOR ALL