

MOPTIM

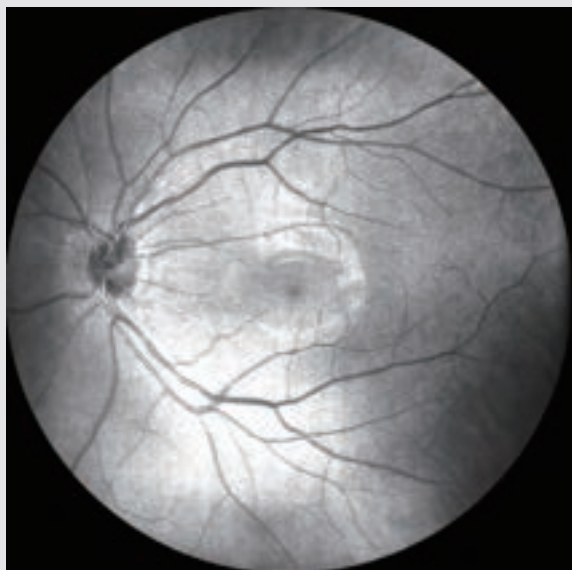


Optical Coherence Tomographer

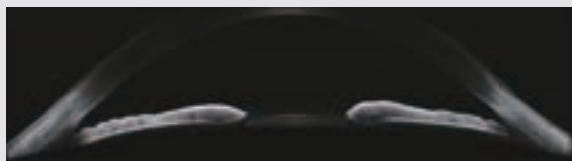
**Mscean**<sup>®</sup> 3000/4000

# Mocean<sup>®</sup> 3000/4000 SLO-OCT

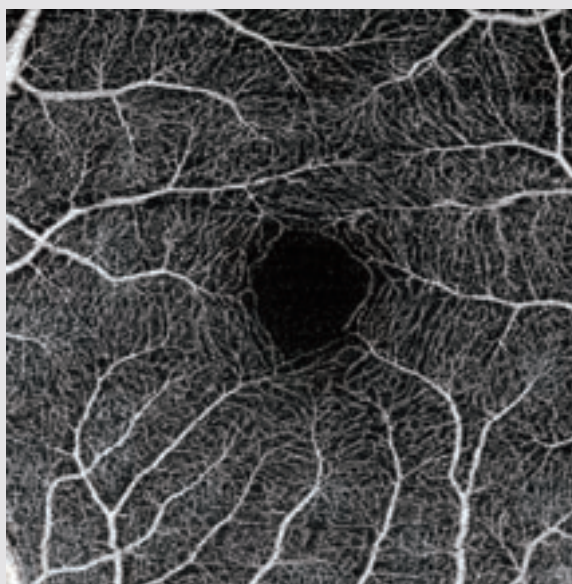
## PREMIUM OCT FOR ADVANCED PRACTICE



45° real-time SLO imaging



16mm angle-to-angle scan



3x3mm VASCAN OCTA imaging

\*Optional module for Mocean 4000

The Mocean<sup>®</sup> series, configured with state-of-the-art SLO-OCT imaging systems and the SLO-based eye tracker, is a powerful diagnostic tool for a variety of ocular diseases.

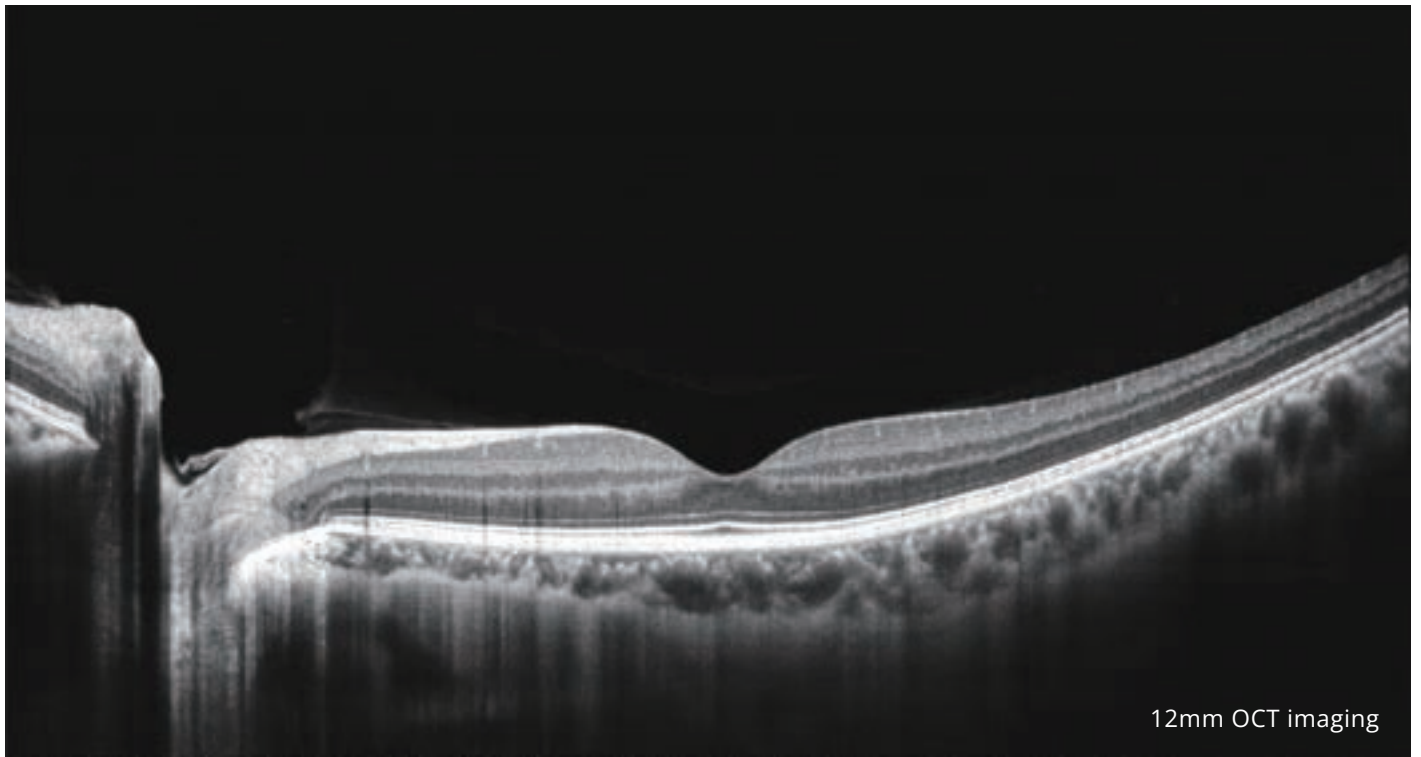
The key advantage of the Mocean series is the wide range real-time fundus imaging based on Scanning Laser Ophthalmoscope (SLO) technology. With an overview of the retina, it allows user to locate the lesion area easily before acquisition. Moreover, the eye tracker helps to reduce the artifacts caused by eye movements, It performs 100 times tracking per second with 10 microns tracking accuracy and more than 95% success rate, which brings you more confidence in practice.

### SLO + EYE TRACKING

- 45° wide range live SLO imaging
- Ultra fine quality retinal imaging using averaging technique
- SLO-based real-time retinal tracking effectively reduces artifacts caused by eye movement

### HD OCT IMAGING

- High scanning speed at 80,000 A-scans/s
- 3mm scan depth shows better details of the vitreous, retina and choroid
- 6-16 mm scan range
- Up to 100 images averaging
- Upgrade to VASCAN OCTA analysis (available for Mocean 4000)

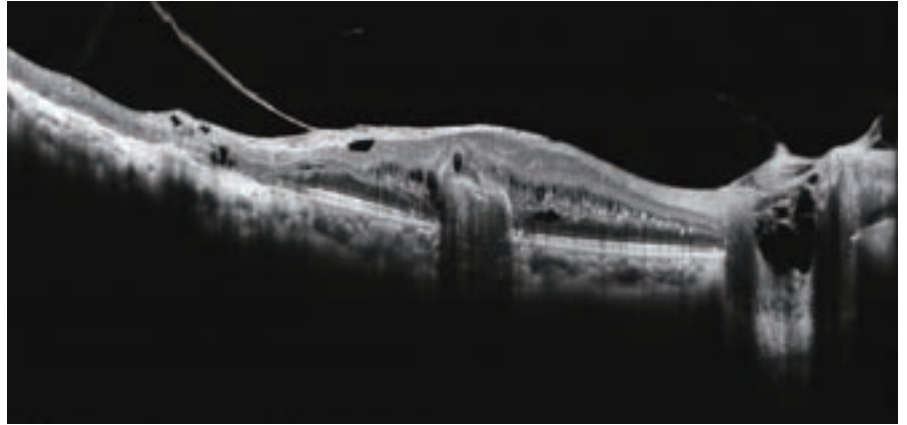
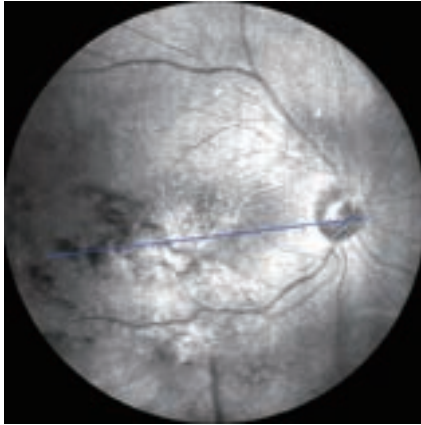


12mm OCT imaging

# MACULA

## Macula HD Line

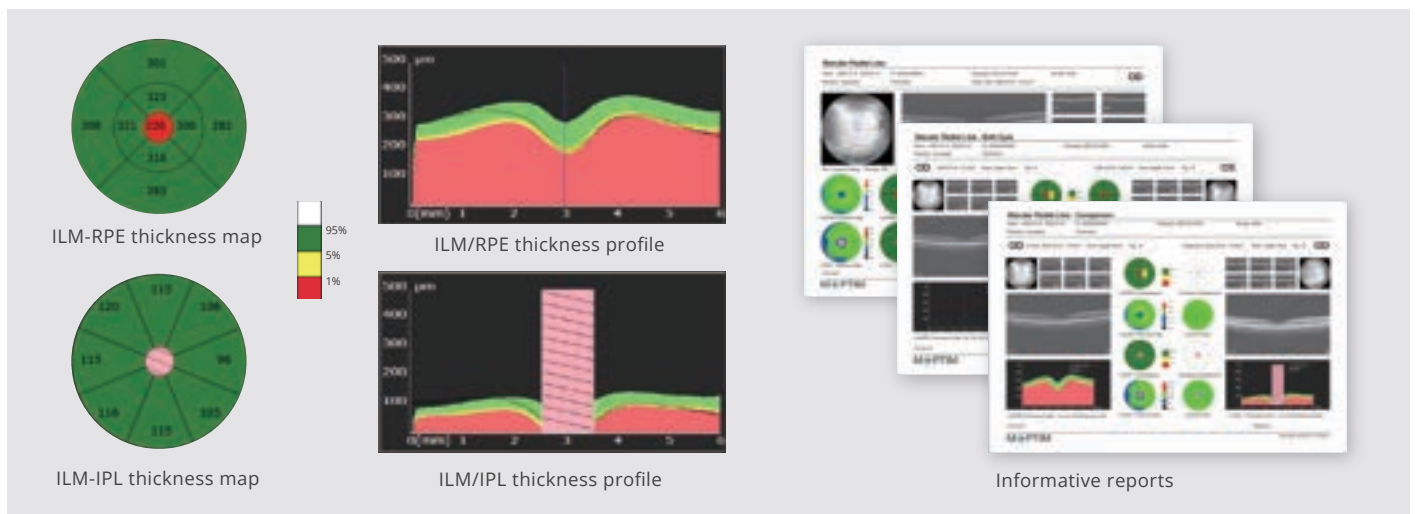
High definition OCT imaging reveals hidden pathological changes



\* OCT scan range can be switched between 6 mm and 12 mm

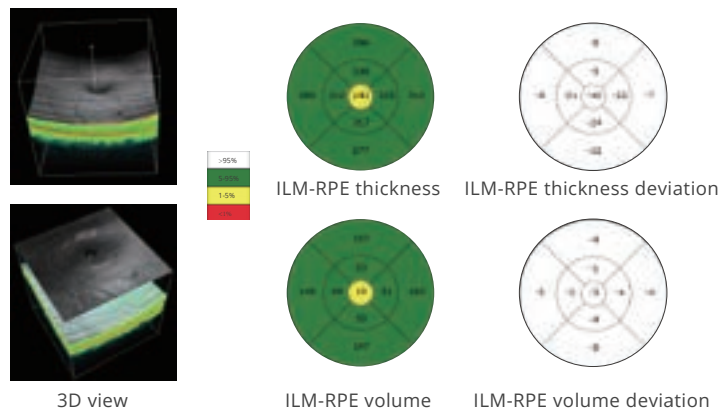
## Macula Radial Line

Have a glimpse of the retina via HD imaging and quick data analysis



## Macula Cube

Assessment of retinal thickness in 6x6mm area

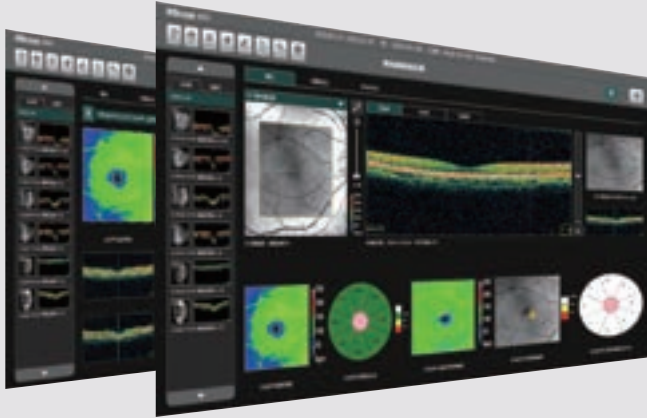


## Macula Multi Lines

Multiple HD cross-sectional images acquisition



# GLAUCOMA



## Glaucoma (Macular)

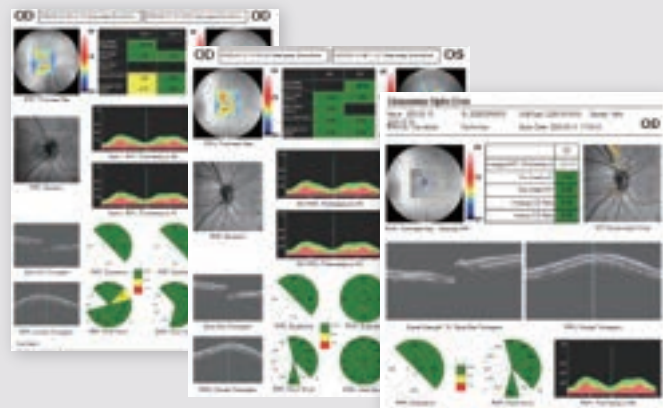
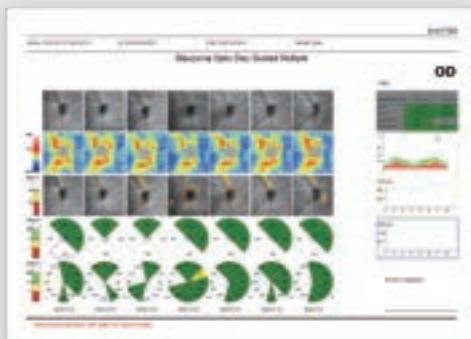
- ILM-IPL thickness analysis for early diagnosis of glaucoma
- Precise follow-up analysis powered by eye tracking

## Glaucoma (Disc)

- RNFL analysis
- Cup-disk analysis



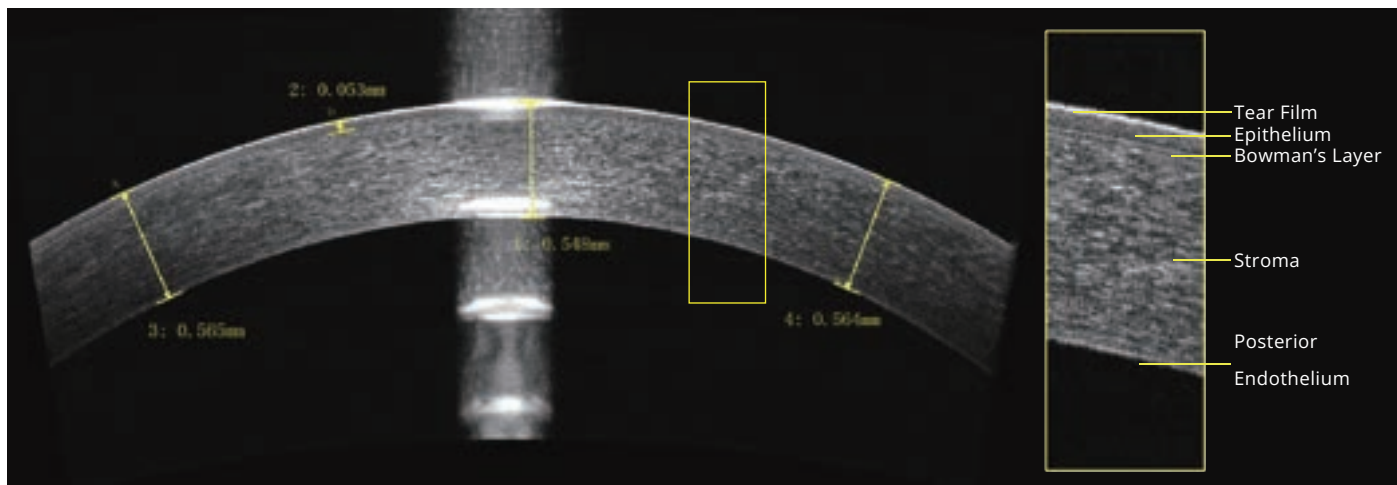
## Reports



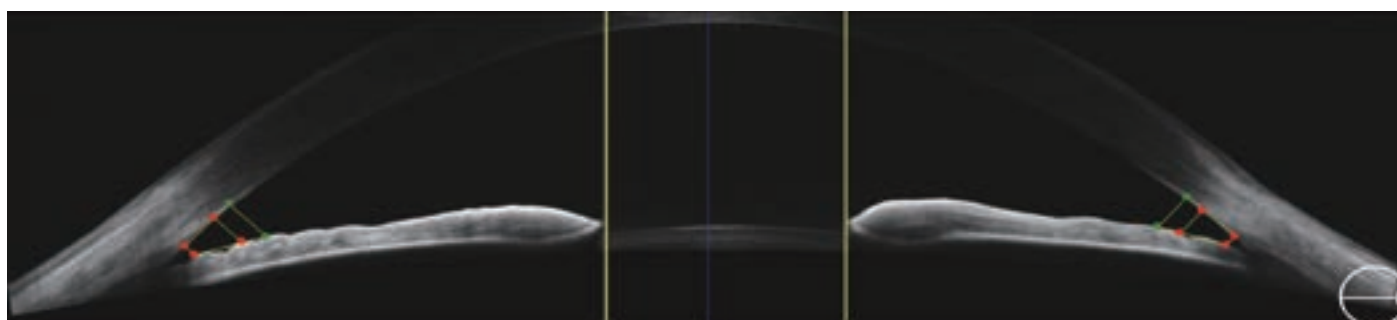
# ANTERIOR SEGMENT

## Anterior HD Line

High definition OCT imaging of the cornea enables clear visualization of the cornea segmentation

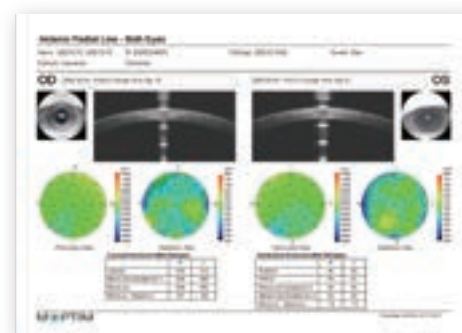
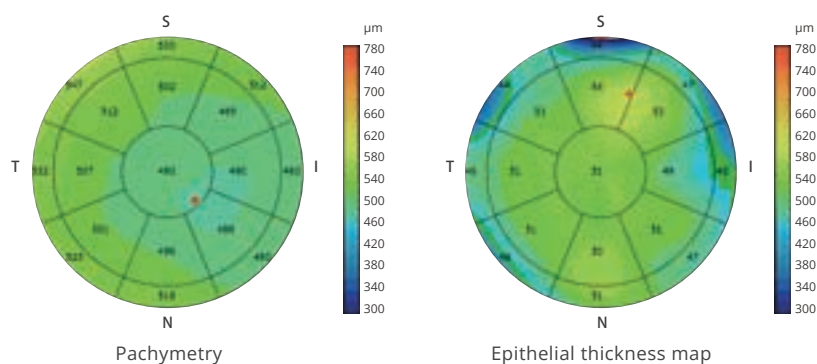


16 mm wide angle-to-angle view and automatic angle analysis



	AOD500	AOD750	TISA500	TISA750	Theta500	Theta750
<b>Temporal</b>	0.345mm	0.545mm	0.108mm <sup>2</sup>	0.236mm <sup>2</sup>	27.9°	32.2°
<b>Nasal</b>	0.494mm <sup>2</sup>	0.726mm <sup>2</sup>	0.16mm <sup>2</sup>	0.327mm <sup>2</sup>	25.8°	38.7°

## Anterior Radial Line

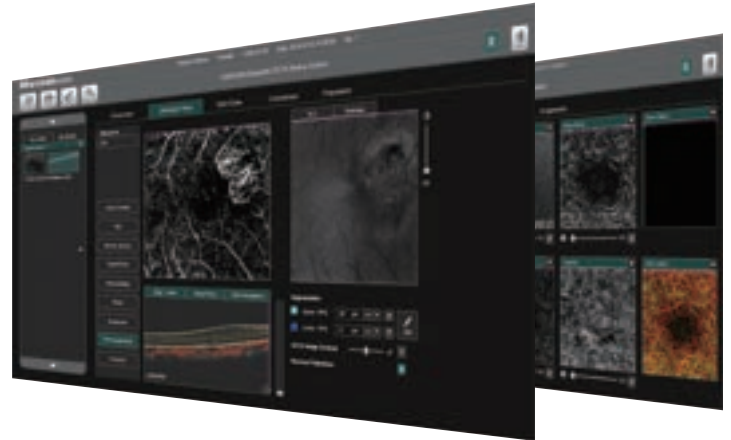


# VASCAN<sup>®</sup> OCT ANGIOGRAPHY (OPTIONAL)



## Macular Area

Scan area	Density
3 mm x 3 mm	256 x 256
6 mm x 6 mm	512 x 512
8 mm x 8 mm	512 x 512
12 mm x 8 mm	540 x 360



## Optic Disc Area

Scan area	Density
4.5 mm x 4.5 mm	512 x 512
6 mm x 6 mm	512 x 512

## Reports



# SPECIFICATIONS

	Mocean 4000	Mocean 3000	
<b>OCT IMAGING</b>			
Methodology	Spectral domain OCT		
Optical source	Super luminescent diode (SLD), 840 nm		
Scan speed	80,000 A-scans/s	≥20,000 A-scans/s	
Axial resolution (optical)	5 microns (optical), 3.6 microns (digital)		
Transverse resolution	15 microns (optical), 3 microns (digital)		
A-scan depth	3 mm		
Diopter range	- 20 to + 20 diopters		
Scan patterns	Macular: HD line scan (6 / 12 mm), 3D scan (6 mm x 6 mm), 6-line radial scan, Multi (X-Y: 5 x 5); Disc: 3D scan (6 mm x 6 mm) Anterior: HD line scan (6 / 16mm), 6-line radial scan		
<b>FUNDUS IMAGING</b>			
Methodology	Line scanning laser ophthalmoscopy (LSLO)		
Minimum pupil diameter	3.0 mm		
Field of view	45 ± 1 degrees		
<b>VASCAN™ OCTA MODULE (OPTIONAL)</b>			
Scanning volume/area	3mm x 3mm	256 x 256 A-scans	Not available
	6mm x 6mm	360 x 360 A-scans	
	8mm x 8mm	360 x 360 A-scans	
	12mm x 8 mm	540 x 360 A-scans	
Algorithm	C-OMAG		
Segmentation options	Encoded, vitreousretina intrerface(VRI), superfcial, deep, outer retina, choriocapillaris, chorioid, custom		
Quantitative analysis	Yes		
<b>ELECTRICAL AND PHYSICAL</b>			
Weight	30.5 kg		
Dimension	532 mm (L) x 360 mm (W) x 540 mm (H)		
Source voltage	AC 100 - 240 V, 50 Hz - 60 Hz		
Power input	90 VA		

\* Specifications are subject to change due to product improvement.

**MOPTIM**®



**CE** 0123

**Shenzhen Certainn Technology Co., Ltd.**

Address: Bldg. 2-C, Section 2, GOTO Digital Technology Park,  
Longgang District, No.137 Bulan Rd., Shenzhen 518112, China  
www.moptim.com      sales@moptim.cn  
Tel: +86 0755 8408 4505      Fax: +86 0755 8406 4430

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Shenzhen Certainn Technology Co., Ltd.  
Address: Bldg. 2-C, Section 2, GOTO Digital Technology Park,  
Longgang District, No.137 Bulan Rd., Shenzhen 518112, China  
www.moptim.com      sales@moptim.cn  
Tel: +86 0755 8408 4505      Fax: +86 0755 8406 4430