

# DHI-ITC352-AU3F-LZF1640

3MP AI Enforcement Camera



- · GS-CMOS image sensor.
- · 2048×1536@50fps.
- Video compression standards: H.265/H.264M/H.264H/H.264B/MJPEG.
- Integrated design, IP67.
- · can use with DHI-ITALE-060AA-PM

#### **System Overview**

The camera impresses people with its high-performance AI processor, traffic-specific high frame rate GS-CMOS image sensor, and deep learning algorithms. It uses sophisticated image fusion technology to display high-quality full color images at night without using flashing light or external strobe, significantly reducing light pollution. The camera is ideal for intelligent traffic management and safe city businesses with its capacities of automatic number plate recognition, passing vehicle records, traffic data collection, event detection, and more.

## Functions

#### **Dual-frame image fusion**

Adopts sophisticated image fusion technology to display high-quality full color images at night without using flashing light or external strobe, significantly reducing light pollution.

### Ultra-high frame rate

Uses high-performance GS-CMOS image sensor with 50fps frame rate, high signal-to-noise ratio and wide dynamic range, displaying realistic video image day and night.

#### Al technology

High-performance AI processor with deep learning algorithm, capable of detecting multiple targets and suitable for a wide range of applications. Vehicle capture rate up to 95%. covering at most 2 lanes. ANPR rate and its capture speed can reach 200km/h.

#### **Vehicle Detection**

Supports vehicle video detection with high detection rate; supports vehicle direction detection.

#### **Multiple functions**

Integrates functions such as traffic violations capture, vehicle data collection and event detection, ideal for various road scenarios.

#### Multi-dimensional data sensing

This is realized through GPS/BeiDou positioning.

#### Safe and reliable performance

Integrated design, built-in lightning protection module, IP67 protection grade, and wide temperature and voltage ranges, applicable to use in all-weather conditions.

Technical Specification	on	Intellige
Image Processing		Target Detection
mage Sensor	1/1.8" GS-CMOS	Face Detection
Shutter Mode	Single shutter / holographic double shutters / three shutters	Vehicle Plate Recognition
Electronic Shutter Speed	1/50 s-1/100000 s (auto/manual)	
Exposure Mode	Full auto/customized range/customized	Vehicle Type Recognition
Iris Control	Fixed iris/manual iris/auto iris/P iris	Vehicle Color Recognitio
Lens	10mm-40mm	vennete eerer meeeg.mae.
Image Resolution	2048×1536 (OSD black strip excluded)	Motor Vehicle Violation Snapshot
Video Resolution	3M (2048×1536)/UXGA (1600×1200)/1080P (1920×1080)/720P (1280×720)/D1 (704×576)/CIF (352×288)	
Video Frame Rate	Maximum 50fps; main stream (1536×2048@25fps), sub stream (1600×1200@25fps)	Violation Snapshot
Video Bit Rate	H.264: 32kbps–32767kbps H.265: 32kbps–32767kbps MJPEG: 512kbps–32767kbps	Traffic Flow Detection
Video Compression	H.265/H.264M/H.264H/H.264B/MJPEG	Traffic Event Detection
Picture Encoding Format	JPEG	
WDR	64dB	Video Metadata
White Balance	Auto/outdoor/manual/local white balance/natural light/ street light	
Noise Reduction	2DNR/3DNR	Ports
- 4	ICR auto switch: IR cut-off filter (IRCF) with polarizing	Lens Mount
Day/Night	filter is used during daytime, and it changes to common IRCF during nighttime	Iris Control
HLC (Highlight Compensation)	Yes	Focus Control
Bad Pixel Correction	Yes	Frequency Source Sync
Edge Enhancement	Yes	Peripheral Light
Illuminator Number	3 illuminators (white light LED strobe, brightness adjustable)	Network
Functions		LICD
Composite Image	Supports composing 1, 2, 3, or 4 pictures	USB
Trigger Mode	Video detection/radar/coil	GPS
OSD Overlay	Time, location (video channel location), lane (number, direction), and plate number	Storage
Storage	FTP, TF card (maximum 256GB@Class10)	RS-485
	Storage full, storage error, external alarm, no storage	RS-232
Alarm Event	card, license plate blacklist, abnormal device attitude, illegal access, network disconnection, and IP conflict	1/0
Automatic Network Replenishment (ANR)	Platform, FTP	Alarm Input
Image Tampering Prevention	Yes. Watermark and verification are available for videos and pictures	Alarm Output
Positioning Function	GPS/BeiDou	General
Time Synchronization	NTP/GPS/BeiDou	Power Supply
Security	Authorized username and password, MAC address binding, HTTPS encryption, and network access control	Power Consumption
Auto Registration	Yes	Operating Temperature

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Operating Humidity	10%–90%
Protection Grade	IP67
Dimensions	540.00mm×207.79mm× 198.14mm(21.26"×8.18"×7.80") (L×W×H)
Net Weight	4.6kg (10.14lb)
Gross Weight	6.6kg (14.55lb)
Installation	Universal joint installation
Power Adaptor	Standard

Ordering	Information
Olucinis	

Туре	Part Number	Description
AI Enforcemen tCamera	DHI-ITC352-AU3F-LZF1640	3MP all-in-one Al enforcement camera -L: Model with 18" protective cover
Bracket	PFA162	3-dimensional universal mountingbracket, needs to be purchased separately Brackets required = number of cameras + number of flashing lights

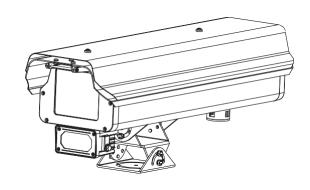
## **Accessories**

## **Optional:**



PFA162 3-dimensional universal mounting bracket

## Installation



# Dimensions (mm[inch])

