

台北總公司 Headquarters

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台北廠 Tapei Factory

新北市中和區中正路778號5樓
5F, No.778, Zhongzheng Rd., Zhonghe Dist., New Taipei City 23586, Taiwan, R.O.C

深圳廠 Shenzhen Factory

深圳市寶安區西鄉街道龍珠社區107國道潤東晟工業區13棟3層
3F, Building 13, Rundongsheng Industry District, National Highway 107, Longzhu
Community, Xiang Sub-District, Baoan District, Shenzhen City, Guangdong Province, China.

南昌廠 Nanchang Factory

江西省南昌市南昌經濟技術開發區國際先進產業轉移承接基地嘉茂五路326號4棟廠房2層
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Base, Nanchang Economic and Technological Development Zone, Nanchang City, Jiangxi Province, China.



Dash Cam Devices



Company Profile

Who We Are

Founded in 2001, Unison Technology Ltd. is committed to the development of optical and image sensor modules. Adhering to the concept of specialization and innovation, we offer customized product designs by integrating our professional techniques in optical, mechanism, electronic engineering and industrial resources. Our customized product designs can meet all customers' unique demands. Unison Technology Ltd. positions itself as a product solution provider, committed to providing innovative products, image sensor modules and ODM services.

What We Offer

Innovative Products: Unison Technology has unique innovative applications on image, video and audio products

Camera Modules: Unison Technology provides customized camera modules on demands

ODM Services: Unison Technology supports upgrading version or add on functions of an existing product

Now we have dashcams, USB cameras, and camera modules applied on vehicle cameras, industrial computers, and laptop computers.

Factory Certificates



Dash Cam

A1

Dash Cam A1

- Without display
- Up-to 1080p30fps
- WiFi 2.4GHz
- 5V/1A MiniUSB
- Dimension: less than 70x20x28mm
- Operation temperature -20~70°C



A1



BLOOM-S

Dash Cam BLOOM-S

- 2-inch LCD 480x234
- Up-to 1080p30fps
- 5V/1A MiniUSB
- Dimension: less than 58x43x28mm
- Operation temperature -20~70°C
- Options: Ext. GPS, e-dog



UB1

MARVEL

Dash Cam MARVEL

- 2.31-inch LCD 320x240
- Up-to 1080p30fps
- 5V/1A MiniUSB
- Dimension: less than 63x58x26mm
- Operation temperature -20~70°C
- Options: GPS, e-dog



U90



Dash Cam

A6+ Dash Cam A6+

- Without LCD
- Front: Up-to 1440p30fps
- Rear: Up-to Analog-HD 1080p30fps (HDR option)
- WiFi 2.4GHz
- 5V/1.5A Type-C USB
- Dimension: less than 102x33x12mm
- Operation temperature up-to -20~70°C
- Options: GPS, e-dog



A6+

R16 Dash Cam R16

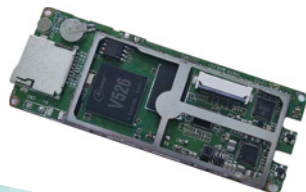
- 3.16-inch 480x854
- Front: Up-to 1440p30fps
- Rear: Up-to Analog-HD 1080p30fps (HDR option)
- 5V/1.5A Type-C USB
- Dimension: less than 81x30x28mm
- Operation temperature up-to -20~70°C
- Options: GPS, e-dog, WiFi



R16



J7



Dash Cam

ELITE Dash Cam ELITE

- 3-inch IPS-TFT LCD 360x640
- Front: Up-to 1440p60fps/1440p30fpsHDR
- Rear: Up-to Analog-HD 1080p60fpsHDR (option)
- 5V/2.4A Type-C USB
- Dimension: less than 85x51x28mm
- Operation temperature up-to -30~85°C
- Options: Ext. GPS, e-dog, WiFi, ADAS



UA23

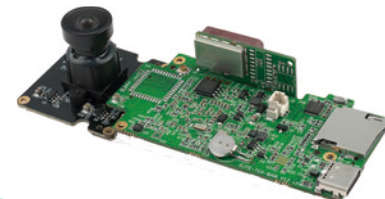


ELITE-T Dash Cam ELITE-T

- 3-inch IPS-TFT LCD 268x800
- Front: Up-to 1440p60fps/1440p30fpsHDR
- Rear: Up-to Analog-HD 1080p60fpsHDR (option)
- 5V/2.4A Type-C USB
- Dimension: less than 102x36x26mm
- Operation temperature up-to -30~85°C
- Options: GPS, e-dog, WiFi, ADAS



UG1

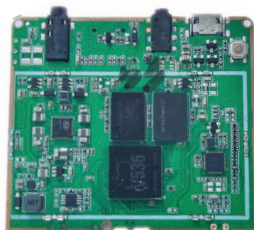


Dash Cam



G814 Dash Cam G814

- 10.88-inch IPS-TFT LCD 480x1920 or 11.88-inch IPS-TFT LCD 320x1480
- Front: Up-to 1440p30fps or Up-to Analog-HD 1080p30fps (HDR option)
- Rear: Up-to Analog-HD 1080p30fps (HDR option)
- Touch panel control
- 5V/3A Type-C USB
- Dimension: less than 68x62x5mm
- Operation temperature -20~70°C
- Options: Ext. GPS, e-dog, WiFi



T826S (10.88")



ELITE-R Dash Cam ELITE-R

- 10.88-inch IPS-TFT LCD 480x1920 or 11.88-inch IPS-TFT LCD 320x1480
- Front: Up-to 1440p60fps/1440p30fpsHDR
- Rear: Up-to Analog-HD 1080p60fpsHDR
- ADAS function option (BSD)
- 5V/2.4A Type-C USB
- Dimension: less than 102x36x26mm
- Operation temperature -20~70°C
- Options: Ext. GPS, e-dog, WiFi, ADAS



ELITE-R11 / V69PRO (10.88")



ELITE-R12 / V69 (11.88")



TX68 Series

Rear Camera TFB68200

- 1080p30fpsHDR (SONY Starvis)
- F1.8 D136 H115 V61
- Dimension: less than 61x27x32mm
- Operation temperature -20~70°C
- IP67 Option

Rear Camera TFG68200

- 1080p30fps
- F1.8 D136 H115 V61
- Dimension: less than 61x27x32mm
- Operation temperature -20~70°C
- IP67 Option

Rear Camera TKB68200

- 1080p30fpsHDR (SONY Starvis)
- F1.8 D136 H115 V61
- Dimension: less than 61x27x32mm
- Operation temperature -30~85°C
- IP67 Option



TX35 Series

Rear Camera TFB35200

- 1080p30fpsHDR (SONY Starvis)
- F1.8 D136 H115 V61
- Dimension: less than 60x33x36mm
- Operation temperature -20~70°C

Rear Camera TKB35200

- 1080p30fpsHDR (SONY Starvis)
- F1.8 D136 H115 V61
- Dimension: less than 60x33x36mm
- Operation temperature -30~85°C



TX19 Series

Rear Camera TKB19200

- 1080p30fpsHDR (SONY Starvis)
- F2.0 D145 H120 V62
- Dimension: less than 25x25x36mm
- Operation temperature -30~85°C
- IP67



UNISON Dash Cam Solutions

Platform	Model Name	Display	Max. Resolution Front Camera	Rear Camera	SoC	SONY Starvis	Transport Stream (TS)	Auto File-lock	GPS & e-dog	WiFi	TSP	*Button Num.	ADAS				Power Interface	Dimension (mm)
													FVSA	FCWS	LDWS	BSD		
A1	A1	x	1080p30fps	-	CN	-	-	Y	-	Y	-	1	-	-	-	-	miniUSB	76 x 31 x 35
BLOOM-S	UB1	2" 480x234	1080p30fps	-	TW	-	-	Y	O (ext)	-	-	4	-	-	-	-	miniUSB	63 x 53 x 32
Marvel	U90	2.31" 320x240	1080p30fps	-	TW	-	-	Y	O	-	-	4	-	-	-	-	miniUSB	66 x 66 x 34
A6+	A6+	x	1440p30fps	O	CN	*O	Y	Y	O	Y	-	1	-	-	-	-	Type-C	109 x 26 x 38
R16	R16	3.16" 480x854	1440p30fps	O	CN	*O	Y	Y	O	O	-	3	-	-	-	-	Type-C	90 x 36 x 37
R16	J7	3.16" 480x854	1440p30fps	O	CN	*O	Y	Y	O	O	-	3	-	-	-	-	Type-C	90 x 36 x 37
ELITE	UA21	3" 360x640	1440p30fpsHDR	O	TW	Y	Y	Y	O (ext)	O	-	5	*O	*O	*O	*O	Type-C	93 x 60 x 31
ELITE	UA23	3" 360x640	1440p30fpsHDR	O	TW	Y	Y	Y	O (ext)	O	-	5	*O	*O	*O	*O	Type-C	93 x 60 x 31
ELITE	UA25	3" 360x640	1440p30fpsHDR	O	TW	Y	Y	Y	O (ext)	O	-	5	*O	*O	*O	*O	Type-C	93 x 60 x 31
ELITE	UA21-4K	3" 360x640	4Kp30fps	-	TW	Y	Y	Y	O (ext)	O	-	5	-	-	-	-	Type-C	93 x 60 x 31
ELITE	UA23-4K	3" 360x640	4Kp30fps	-	TW	Y	Y	Y	O (ext)	O	-	5	-	-	-	-	Type-C	93 x 60 x 31
ELITE	UA25-4K	3" 360x640	4Kp30fps	-	TW	Y	Y	Y	O (ext)	O	-	5	-	-	-	-	Type-C	93 x 60 x 31
ELITE-T	UG1	3" 268x800	1440p30fpsHDR	O	TW	Y	Y	Y	O	O	-	3	*O	*O	*O	*O	Type-C	107 x 41 x 31
ELITE-T	UG1-4K	3" 268x800	4Kp30fps	-	TW	Y	Y	Y	O	O	-	3	-	-	-	-	Type-C	107 x 41 x 31
G814	V69	11.88" 320x1480	1440p30fpsHDR	Y	CN	O	Y	Y	O (ext)	O	Y	1	-	-	-	-	Type-C	290 x 73 x 39
G814	V69PRO	10.88" 480x1920	1440p30fpsHDR	Y	CN	O	Y	Y	O (ext)	O	Y	1	-	-	-	-	Type-C	258 x 73 x 39
G814	T826S	10.88" 480x1920	1080p30fpsHDR (A)	Y	CN	O	Y	Y	O (ext)	O	Y	1	-	-	-	-	Type-C	255 x 73 x 21
ELITE-R	ELITE-R11	10.88" 480x1920	1440p30fpsHDR	Y	TW	Y	Y	Y	O (ext)	O	Y	1	*O	*O	*O	*O	Type-C	290 x 73 x 39
ELITE-R	ELITE-R12	11.88" 320x1480	1440p30fpsHDR	Y	TW	Y	Y	Y	O (ext)	O	Y	1	*O	*O	*O	*O	Type-C	290 x 73 x 39

* Y - Yes , O - Option. The camera resolution or HDR function may be limited by the option items mark '*':

* '(A)' means 'Analog-HD', it usually follows AHD or TVI specification. It's available to select HDR or non-HDR solution.

* 'e-dog' function is an alert for speed camera. The database can be manually updated from storage card or mobile APP.

* All of the list devices aren't equipped lithium battery as a backup power. There is only a lithium coin cell which is under 2g. It's met the requirements of PI969 & UN3091.

* The button number isn't included RESET button.

UNISON Rear Camera Solutions for Dash Cam

Series	Model Name	Resolution	Aperture & FOV	ISP	SONY Starvis	Water Proof	Housing Material	Operation Temperature	Power	Dimension (mm)
TX68	TFG68200	1080p30fps	F1.8 D136 H115 V61	CN	-	IP67 Option	Plastic	-20~70°C	5V	61 x 27 x 32
TX68	TFB68200	1080p30fpsHDR	F1.8 D136 H115 V61	CN	V	IP67 Option	Plastic	-20~70°C	5V	61 x 27 x 32
TX68	TKB68200	1080p30fpsHDR	F1.8 D136 H115 V61	TW	V	IP67 Option	Plastic	-30~85°C	5V	61 x 27 x 32
TX35	TFB35200	1080p30fpsHDR	F1.8 D136 H115 V61	CN	V	-	Plastic	-20~70°C	5V	60 x 33 x 36
TX35	TKB35200	1080p30fpsHDR	F1.8 D136 H115 V61	TW	V	-	Plastic	-30~85°C	5V	60 x 33 x 36
TX19	TKB19200	1080p30fpsHDR	F2.0 D145 H120 V62	TW	V	IP67	Metal	-30~85°C	5V	25 x 25 x 36

